



**STATE OF MICHIGAN  
CENTRAL PROCUREMENT SERVICES**

Department of Technology, Management, and Budget  
320 S. WALNUT ST., LANSING, MICHIGAN 48933  
P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number **4**  
to  
Contract Number **180000000497**

<b>CONTRACTOR</b>	Nokia of America Corporation
	3201 Olympus Boulevard
	Dallas, TX 75019
	Chris Cunningham
	631-569-4732
	chris.1.cunningham@nokia.com
	VS0037091

<b>STATE</b>	<b>Program Manager</b>	Kate Jannereth	DTMB
		517-881-1031	
		JannerethK@michigan.gov	
	<b>Contract Administrator</b>	Alannah Doak	DTMB
		(517) 230-9424	
		doaka@michigan.gov	

**CONTRACT SUMMARY**

**NOKIA BACKHAUL HARDWARE, SOFTWARE, LICENSES, MAINT**

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
March 7, 2018	March 7, 2023	5 - 1 Year	September 30, 2026
PAYMENT TERMS		DELIVERY TIMEFRAME	
		N/A	
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING
<input type="checkbox"/> P-Card	<input type="checkbox"/> PRC	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

N/A

**DESCRIPTION OF CHANGE NOTICE**

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input type="checkbox"/>		<input type="checkbox"/>		September 30, 2026
CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE		
\$4,000,000.00	\$5,000,000.00	\$9,000,000.00		

**DESCRIPTION**

Effective 2/1/2024, this contract is hereby increased by \$5,000,000.00

Please note, the Program Manager has been changed to Chris Cunningham.

Please note, the Contract Administrator has been changed to Alannah Doak.

All other terms, conditions, specifications, and pricing remain the same. Per contractor and agency agreement, DTMB Central Procurement approval, and State Administrative Board approval on 1/30/2024.



**STATE OF MICHIGAN**  
**CENTRAL PROCUREMENT SERVICES**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number **3**  
 to  
 Contract Number **18000000497**

<b>CONTRACTOR</b>	Nokia of America Corporation
	601 Data Drive
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<b>STATE</b>	<b>Program Manager</b>	Kate Jannereth	DTMB
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**CONTRACT SUMMARY**

NOKIA BACKHAUL HARDWARE, SOFTWARE, LICENSES, MAINT

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
March 7, 2018	March 7, 2023	5 - 1 Year	September 30, 2026

PAYMENT TERMS	DELIVERY TIMEFRAME
	N/A

ALTERNATE PAYMENT OPTIONS	EXTENDED PURCHASING
<input type="checkbox"/> P-Card <input type="checkbox"/> PRC <input type="checkbox"/> Other	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

N/A

**DESCRIPTION OF CHANGE NOTICE**

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input type="checkbox"/>		<input type="checkbox"/>		September 30, 2026

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
\$4,000,000.00	\$0.00	\$4,000,000.00

**DESCRIPTION**

Effective December 20, 2021 this contract is revising Schedule B- 1. Annually Authorized Upgrades and Maintenance and adding Schedule E- NSP Professional Services. All other terms, conditions, specifications and pricing remain the same. Per Contractor and Agency agreement and DTMB Central Procurement Services approval.

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Revised via CN #3 Effective 12/20/2021

**SECTION 1. ANNUALY AUTHORIZED UPGRADES AND MAINTENANCE**

**Microwave Maintenance**

Ordering Instructions	Product	Service Type	Year 1 Qty	Year 1 (10/01/2021 to 09/30/2022)	Year 2 Qty	Year 2 (10/01/2022 to 09/30/2023)	Year 3 Qty	Year 3 (10/01/2023 to 09/30/2024)	Year 4 Qty	Year 4 (10/01/2024 to 09/30/2025)	Year 5 Qty	Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
301090767	9500 MPR	Technical Support -Gold	584 hops	\$128,480.00	619 hops	\$136,180.00	656 hops	\$ 144,320.00	696 hops	\$153,120.00	737 hops	\$ 162,140.00	\$724,240.00
3EM24592AAAB	MSS Shlves	Software Subscription Plan	290 Shlvs	\$50,750.00	307 Shlvs	N/A	326 Shlvs	\$ 57,050.00	345 Shlvs	N/A	366 Shlvs	\$ 64,050.00	\$171,850.00
3EM16790HN	TSM-8000	Software Subscription Plan	1 server	\$18,450.00		N/A	1 server	\$ 18,450.00		N/A	1 server	\$ 18,450.00	\$55,350.00

\$951,440.00

Pricing Notes:	1. The pricing is valid only for the configuration information presented. Any changes to the configuration may result in a different pricing structure.
	2. Remote Technical Support services do NOT include software upgrade support. State of Michigan Staff to install software upgrades.
	3. For SSP purchase, the minimum acceptable software loaded in the NEs must be an N-1 version of software. Otherwise, the State of Michigan will have to upgrade the network accordingly and will be responsible for the associated software licenses' cost and services.
	4. Quote with TS Gold Service would be applicable only if MPSCS upgrades the MW nodes to current supported software release on or before 06/30/2024 otherwise Years 4-5 maintenance quote is not valid.

**NI Maintenance**

Ordering Instructions	Product	Service Type	Year 1 Qty	Year 1 (10/01/2021 to 09/30/2022)	Year 2 Qty	Year 2 (10/01/2022 to 09/30/2023)	Year 3 Qty	Year 3 (10/01/2023 to 09/30/2024)	Year 4 Qty	Year 4 (10/01/2024 to 09/30/2025)	Year 5 Qty	Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
301013231	7705 SAR-8 including NSP (R8)	Technical Support Gold	322	\$ 233,450.00	342	\$ 247,950.00	363	\$ 263,175.00	385	\$279,125.00	409	\$ 296,525.00	\$1,320,225.00
3HE05610AB	7705 SAR-8	Software Subscription Plan	335	\$ 168,505.00	356	N/A	378	\$ 190,134.00	401	N/A	426	\$ 214,278.00	\$572,917.00
301013231	7705 SAR-Hc including NSP (R8)	Technical Support Gold	54	\$39,150.00	57	\$ 41,325.00	60	\$ 43,500.00	63	\$45,675.00	67	\$48,575.00	\$218,225.00
3HE05610AB	7705 SAR-Hc	Software Subscription Plan	58	\$29,174.00	62	N/A	66	\$ 33,198.00	70	N/A	75	\$37,725.00	\$100,097.00
3HE10161AA	NSP:NFM-P (R18)	Software Subscription Plan	1	\$280,000.00			1	\$280,000.00			1	\$280,000.00	\$840,000.00

\$3,051,464.00

Pricing Notes:	1. The pricing is valid only for the configuration information presented. Any changes to the configuration may result in a different pricing structure.
	2. Remote Technical Support services do NOT include software upgrade support. State of Michigan Staff to install software upgrades.
	3. For SSP purchase, the minimum acceptable software loaded in the NEs must be an N-1 version of software. Otherwise, the State of Michigan will have to upgrade the network accordingly and will be responsible for the associated software licenses' cost and services.
	4. Product must be maintained at a current software release for maintenance technical support, otherwise Life Extender will apply and additional charges may result.

**Core E Upgrade Equipment**

Ordering Instructions	Product		Qty	Year 1 (10/01/2021 to 09/30/2022)		Year 2 (10/01/2022 to 09/30/2023)		Year 3 (10/01/2023 to 09/30/2024)		Year 4 (10/01/2024 to 09/30/2025)		Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
3DB18788BA	CorEvo-10G	Unit price: \$1,565.20	98	\$153,389.60		N/A		N/A		N/A		N/A	\$153,389.60
3DB23386AEAC	9500 MPR R8.0 uSD Card for CorEvo-10G ICS03	Unit Price: \$36.00	98	\$3,528.00		N/A		N/A		N/A		N/A	\$3,528.00
3DB18970BMBC	9500 MPR R8.0 SW Electronic Delivery Kit ICS03	Unit Price: \$360.00	49	\$17,640.00		N/A		N/A		N/A		N/A	\$17,640.00

\$174,557.60

Pricing Notes:	1. Core-E upgrade pricing is based on customer request to upgrade Core-E running R8.0 software to CorEvo. Customer provided inventory list was used to arrive at the quantities based on 49 sites.
	2. Core-E HW upgrade management adjustments is a one-time management adjustment applicable to this offer only. The proposed hardware quoted must be purchased in full as quoted or the management adjustment will not be valid.
	3. Freight: FOB Point of Origin, prepaid and added to invoice.

**Management Adjustments**

Credits		Year 1 (10/01/2021 to 09/30/2022)		Year 2 (10/01/2022 to 09/30/2023)		Year 3 (10/01/2023 to 09/30/2024)		Year 4 (10/01/2024 to 09/30/2025)		Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
Management Incentive for 5-Year maintenance		-\$122,498.05		-\$47,229.93		\$ -132,249.84		-\$53,030.10		\$ -143,204.61	-\$498,212.53
Core-E upgrade One-time Management Adj for CorEvo-10G and R8.) uSD Card for CoEvo-10G ICS03		-\$50,244.00									-\$50,244.00
Core-e upgrade One-time Management Adj for 9500 MPR R8.0 SW Electronic Delivery Kit		-\$17,640.00									-\$17,640.00

-\$566,096.53

**NSP Upgrade**

Category	Product Description	Qty	Year 1 (12/01/2021 to 11/30/2022)		Year 2 (10/01/2022 to 09/30/2023)		Year 3 (10/01/2023 to 09/30/2024)		Year 4 (10/01/2024 to 09/30/2025)		Year 5 (10/01/2025 to 09/30/2026)	Totals (12/1/2021 to 11/30/2026)
Network Service Platform	NSP Integration Service	1	\$209,780.00		N/A		N/A		N/A		N/A	\$209,780.00
Network Service Platform	Auxiliary Database Storage License & SRS	1	\$24,960.00		N/A		N/A		N/A		N/A	\$24,960.00
			\$234,740.00									\$234,740.00

Pricing Notes:	1. MPSCS to secure RHEL OS
	2. Service Portal Express transition to NSP is not included in this pricing based on MPSCS Engineering direction to defer the Service Activation feature to future release.

	Year 1 (10/01/2021 to 09/30/2022)	Year 2 (10/01/2022 to 09/30/2023)	Year 3 (10/01/2023 to 09/30/2024)	Year 4 (10/01/2024 to 09/30/2025)	Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
Total by Year	\$1,166,874.55	\$378,225.07	\$897,577.16	\$424,889.90	\$978,538.39	\$3,846,105.07



# STATE OF MICHIGAN

## SCHEDULE E NETWORK SERVICES PLATFORM (“NSP”) PROFESSIONAL SERVICES

### 1 Introduction

This Statement of Work (“SOW”) describes the deliverables, parties’ respective responsibilities and other conditions applicable for the provision of NSP NFM-P Software Upgrade (“Service(s”).

### 2 Project Description

#### 2.1. Description

The State of Michigan Public Safety Communication System (“State” or “MPSCS”) is upgrading their NSP NFM-P System software. The NSP NFM-P Software Upgrade Service described in this SOW covers the upgrade of MPSCS’s NSP NFM-P production system from Release 18.3 to 21.6.

Additionally, after completing the NSP software upgrade, the NSP Analytics components will be integrated with the NSP system as well as the configuration of Analytics reports.

The Contractor will also provide professional services to develop a network design to enable Operation Administration Management (OAM) Y.7131 as well as implementation of OAM Y.7131 on the 7705 SAR-8 routers, required to support Analytics OAM based reports generation.

#### 2.2. Equipment Configuration

The Services described in this SOW are exclusively for the following products:

##### A. NSP NFM-P Software Upgrade:

The following table depicts the NSP system current and post-upgrade deployment.

NSP NFM-P Network	Current deployment	Post-upgrade deployment
Production NSP NFM-P	<ul style="list-style-type: none"><li>- 4 x Baremetal servers</li><li>- Distributed</li><li>- High Availability (Geo-Redundant)</li><li>- 2 x vCPAA (virtual machine (VM))</li><li>- 18.3</li><li>- Premium</li></ul>	<ul style="list-style-type: none"><li>- 4 x Baremetal servers</li><li>- New hardware</li><li>- Distributed</li><li>- High Availability (Geo-Redundant)</li><li>- 2 x vCPAA (VM)</li><li>- 21.6</li><li>- Classic Management Feature Package</li></ul>

		<ul style="list-style-type: none"> <li>- Network Infrastructure Management Feature Package</li> <li>- Service Assurance Feature Package</li> <li>- Network Operations Analytics Feature Package</li> </ul>
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**B. NSP Analytics Integration:**

- 1) Two (2) Analytics Servers (VM)
- 2) Two (2) Auxiliary Database (VM)
- 3) UCC-37-NS reports
  - a. Two (2) Administrative reports
  - b. 44 network and services reports

**C. Network Design – OAM and Network Integration OAM:**

- 1) 355 x 7705 SAR-8
- 2) 58 x 7705 SAR-Hc

### 3 Project Management Service

#### 3.1. Nokia Responsibilities

##### A. Description

The project manager (“PM”) will function as the Contractor’s Single Point of Contact (“SPOC”) for the project and will coordinate all project activities through final Service delivery and coordinate all in-scope tasks until project closeout.

##### B. Tasks

The Contractor will:

- 1) Designate a project manager as the SPOC for all project deliverables provided by Nokia.
- 2) Coordinate and manage activities associated with project deliverables.
- 3) Develop a schedule management plan with a baseline master schedule with critical paths, and key milestones. This includes the definition of entry and exit criteria (checklists) for various stages of the project (e.g., site readiness criteria, installation, integration, order completion).
- 4) Provide a communication management plan, including: MPSCS and Nokia involved organizations and stakeholders identified with names, plan for joint project kickoff meeting, and reporting structure (periodicity, contents, etc.) for periodic progress meetings to review status and validate the project outlook, covering:
  - a. Progress meetings: location, duration, frequency;
  - b. Progress reporting contents and format;
  - c. Management report cycle, distribution lists, and media; and
  - d. Exception reporting and escalations, media, and management levels.
- 5) Manage and control the execution to the baseline plan and modify the plan via a mutually agreed upon change control process.
- 6) Verify that all activities within scope of this SOW have been completed.

## C. Deliverables

Nokia shall provide the following:

- 1) Project Documentation to be provided to MPSCS on an ongoing basis includes:
  - a. Progress reports as required,
  - b. Project timeline, and
  - c. Other documentation as mutually agreed to by the State and the Contractor.

## 3.2. MPSCS Responsibilities

MPSCS will provide a single point of contact.

## 3.3. Assumptions

- A. Nokia PM will work remotely and travel at MPSCS's request.
- B. Any PM Travel and Living expenses incurred for MPSCS required travel will be billed as incurred.

## 4 Network Design - OAM

### 4.1. Nokia Responsibilities

#### A. Description

As part of this Service, a Contractor network design engineer will provide network architecture and design expertise to update MPSCS existing design that will best address the implementation of Operations, Administration, and Maintenance ("OAM") Design in MPSCS's designated network elements. The design focuses on the IP/ MPLS infrastructure (e.g., LSPs). The OAM design work is done at Nokia R&D center where design options can be verified in a lab and discussed among the Contractor's team of architects.

#### B. Tasks

The Contractor's network design team will generate an OAM design to update the existing HLD document to address the implementation of OAM in the MPSCS's network. This includes the following:

- 1) OAM (Y.1731):
  - a. Scalability, constraints and limitations of the current network topology and deployment,
  - b. Identification of network infrastructure components requiring ITU-T Y.1731, MPLS usage/performance/availability statistics reporting (if applicable),
  - c. Identification of the equipment and interfaces to be configured with ITU-T Y.1731, MPLS usage/performance/availability statistics reporting,
  - d. Statistics types,
  - e. Accounting policies and file policies (collection time, rollover time), and
  - f. Definition of required MIBs, accounting, and base node configuration to support performance metrics.
- 2) ITU-T Y.1731:
  - a. MPLS usage / performance / availability statistics reporting (as applicable).

- b. Required performance metrics on a per service basis: availability, throughput, latency (frame latency one way), frame loss, frame jitter (frame jitter one way).
- 3) NOTE: Some of the node capabilities may prevent some of the performance metrics from being realized. The design will highlight any limitations of the nodes.
- 4) Design to achieve a per interface per service per Class of Service (CoS) usage and performance (if applicable)

### C. Deliverables

Nokia shall provide the following:

- 1) Design Workshop to discuss fault detection and propagation capabilities as they apply to MPSCS IP/MPLS infrastructure.
  - a. Up to two (2) days remote.
- 2) Design for OAM components and service provisioning changes needed to enable test and troubleshoot the IP/MPLS infrastructure (e.g., LSPs).
- 3) Build configuration templates on the OAM Network Design document.
- 4) OAM Network Design document.

### 4.2. MPSCS Responsibilities

MPSCS will:

- A. Provide the Contractor with all relevant service and technical requirements prior to service commencement.
- B. Respond to the Contractor's technical questions and inquiries for information in a timely manner. The Contractor requires turnaround on technical requests within a reasonable time frame, per mutual agreement.
- C. Provide knowledgeable personnel to participate in the design workshop and review and approve the network design, in accordance with a schedule to be developed between the Contractor and MPSCS.
- D. Provide the Contractor with the most current High-Level Design and/or Low-Level Design documents.

### 4.3. Assumptions

- A. A current, Nokia generated network design (HLD) is a pre-requisite for this service.
- B. The OAM design document is to be co-reviewed by Nokia and MPSCS.
- C. The design document will pertain only to the design changes required to implement OAM for MPSCS IP / MPLS infrastructure (SAR-8, SAR-Hc). Any network element that does not support OAM will be excluded from the OAM Design.
- D. Once approval is signed off on the design, any design changes that would require Nokia to re-design the OAM, is considered out of scope and would require an up-scope to perform.
- E. All Services are performed remotely.

## 5 Network Integration - OAM

### 5.1. Contractor Responsibilities

#### A. Description

The Contractor will utilize the approved OAM Network Design to configure the NSP NFM-P to enable OAM capabilities on each Nokia router listed in the 'Equipment Configuration' section. The Contractor will then remotely test and verify successful implementation in the NSP NFM-P and conformance with the OAM Network Design.

- 5) Pre-requisite. The delivery of this Service is contingent upon the availability of an up-to-date OAM network design that was developed by the Contractor's Professional Services.

#### B. Tasks

The Contractor will:

- 1) Establish deployment schedule with the Nokia assigned Project Manager and/or MPSCS's Project Manager team.
- 2) Design in Service Test Manager ("STM") a Performance Monitoring ("PM") or Y-1731 "Test Suite or Policy" to cover the PM diagnostic tests required by MPSCS.
- 3) Create and distribute a PM bin group policy that will configure the statistics bins that will be used by the various tests in the Test Suite to collect their data.
- 4) Create and distribute a new accounting policies to configure PM sessions.
- 5) Configure required PM sessions to provide session framework.
- 6) Associate the accounting policy to the PM session.
- 7) Configure one of the following PM diagnostic tests:
  - a. Connectivity Fault Management ("CFM") Delay Measurement Message ("DMM"),
  - b. CFM Synthetic Loss Measurement ("SLM"),
  - c. CFM Lost Measuring Message ("LMM"),
  - d. Others related to Y-1731 PM tests.
- 8) Create the STM testing policy
- 9) Verify OAM functionality, which may include, but not be limited to:
  - a. Verify statistics collection,
  - b. Execute the final PM test suite,
  - c. View and compare PM diagnostic test results.
- 10) Obtain sign-off from MPSCS.

#### C. Deliverables

The Contactor will provide NSP NFM-P and SAR-8/Hc configured with OAM Y.7131 and testing enabled.

### 5.2. MPSCS Responsibilities

MPSCS shall:

- A. Define the PM diagnostic tests required to support.
- B. Provide remote access to the routers throughout the entire project duration.

- 1) The remote access will need to provide SSH and NSP NFM-P Web GUI access to the existing network elements in the target network.
- 2) The remote access has to provide either remote NFM-P client connectivity to MPSCS's NFM-P server (preferred) or remote terminal (VNC etc.) access to NFM-P clients on the network which are connected to the NFM-P server.
- 3) The remote access must be over a secure, reliable, high speed internet connection, preferred method is over VPN. Unreliable and slow connections can create issues that may cause unnecessary delays and additional costs.

### 5.3. Assumptions

- A. A Nokia developed, and approved OAM Network Design document is available prior to the start of this Service.
- B. Network element re-configuration work due to non-Nokia attributable reasons will be subject to an up-scope.
- C. All services are performed remotely.
- D. Testing or demonstrations of OAM functionalities will be performed on a group of designated network elements. Although testing is supported in all network elements, not all tests will be done in all network elements. Different tests may be performed in different network elements.

## 6 NSP NFM-P Software Upgrade

### 6.1. Nokia Responsibilities

#### A. Description

- 1) As part of this Service, an NSP NFM-P Subject Matter Expert ("SME") will remotely upgrade the NSP NFM-P software components in MPSCS's environment.
- 2) The upgrade will be on new hardware and on baremetal servers for the NFM-P main application and databases and existing VMs for the vCPAA, provided that the hardware meets the sizing requirements of the NSP NFM-P target software release.
- 3) All preparation work and actual upgrade will be performed remotely. The NSP NFM-P Software Upgrade Service described in this SOW covers the upgrade of MPSCS's NSP NFM-P deployment from release 18.3 to 21.6.

#### B. Tasks

The Contractor will:

##### 1) Pre-Upgrade Preparation

###### a. NSP NFM-P Audit / Setup

1. Gather requirements and review upgrade steps and procedures over conference calls.
2. Retrieve MPSCS's NSP NFM-P database and the hardware specifications.
3. Review the hardware requirements and compatibility with the target release.

4. Identify any technical considerations before sanity testing can begin.
5. Verify the OS level and compatibility for the target release.
6. Set up the Nokia lab to support the restoration of MPSCS's NSP NFM-P database.

## 2) NSP NFM-P Software Upgrade Staging

- a. Develop an NSP NFM-P Software Upgrade Method of Procedure (MOP), including:
  1. Complete rollback,
  2. Minimizing the network visibility down time,
  3. Migrating from current bare-metal servers to new bare-metal servers,
  4. Use the Nokia lab set up to stage the NSP NFM-P MOP with MPSCS's database,
  5. Validate the NSP NFM-P Software Upgrade MOP,
  6. Review and obtain signoff on the NSP-P MOP from MPSCS, and
  7. Test the upgraded NSP NFM-P database in the lab to verify functionality.

## 3) Live NSP NFM-P Software Upgrade

- a. Upgrade MPSCS's live NSP NFM-P.
- b. Validate the database.
- c. Back up the database.
- d. Back up the main server configuration, data files, custom configuration files.
- e. Migrate the data from the existing release to the new NFM-P release.
- f. Validate the software upgrade.
- g. Test to ensure all recommended backup, restore and resynchronizations follow the design and best practices.
- h. Test the activity switch mechanism for the redundant production system.
- i. Provide an update of the upgrade to MPSCS and answer any upgrade related questions.

## C. Deliverables

The Contractor will provide the following:

- 1) Method of Procedure ("MOP")
- 2) Upgraded NSP NFM-P to release 21.6 and feature packages, including the NSP components listed in the 'Equipment Configuration' section.

## 6.2. MPSCS Responsibilities

MPSCS shall:

- A. Provide the Contractor with all relevant service and technical requirements prior to service commencement.

- B. Ensure remote access to the NSP NFM-P bare-metal servers and vCPAA VMs and accessibility of the network elements from that system. Accessibility issues between the network elements and the NSP NFM-P (e.g., access list, firewall, VPN, VLAN, etc.) must be addressed up-front by MPSCS prior to the start of this service.
- C. Respond to the Contractor's technical questions and inquiries for information in a timely manner. The Contractor requires turnaround on technical requests within a reasonable time frame, per mutual agreement.
- D. Provide the NSP licenses files for the following feature packages:
  - 1) Classic Management,
  - 2) Network Infrastructure Management,
  - 3) Service Assurance,
  - 4) Network Operations Analytics.
- E. Ensure the NSP OS license includes access to recommended OS patches to warrant the system is not vulnerable to any security threats or known software defects at the OS level.
- F. Ensure that the bare-metal servers and VMs meet the hardware specifications for the target NSP release.
- G. Provide personnel to review the MOP documents, as described in the service delivery section.
- H. Ensure all network elements to be managed by the upgraded NSP NFM-P are at a software release compatible with the target NSP NFM-P release.
- I. Ensure the bare-metal hardware is installed, cabled and turned up prior to the scheduling of the NSP NFM-P upgrade.
- J. Complete all pre-testing of facilities (if applicable).
- K. Provide MPSCS engineer to assist with on-site support, if needed (e.g., NOC support for trouble clearing and testing of connectivity between NSP NFM-P and network elements).
- L. Configure any third-party application (if applicable).
- M. Troubleshoot any custom scripts (if applicable).

### 6.3 Assumptions

- A. The service is for one (1) NSP system with the components listed in the 'Equipment Configuration' section.
- B. The NSP NFM-P is fully operational and connected to the network prior to the upgrade.
- C. MPSCS has purchased operating system (OS) support from the OS vendor.
- D. MPSCS's OS license includes access to recommended OS patches to ensure their system is not vulnerable to any security threats or known software defects at the OS level.
- E. The NSP NFM-P new bare-metal servers meet the target release specifications, based on the NSP platform sizing.
- F. The new bare-metal servers are installed, cabled and turned up prior to the scheduling of the NSP NFM-P upgrade.



- G. All network elements managed by the NSP NFM-P are at a release supported by the target NSP NFM-P release.
- H. The Contractor's developed MOPs are to be executed by an authorized Nokia engineer.
- I. All planning and staging work is performed remotely.
- J. The live NSP NFM-P software upgrade is performed remotely.
- K. The live upgrade will be performed during MPSCS local maintenance window hours. Standard maintenance window hours are from 12:00AM to 6:00AM, unless different hours are provided by MPSCS.
- L. The virtual Control Plane Assurance Appliance, or vCPAA is fully operational (no issues).

## 7 NSP Analytics Integration

### 7.1. Contractor Responsibilities

#### A. Description

This Service provides remote integration of the new NSP Analytics platform components as supported by MPSCS's network, per the following:

- 1) The inclusion of Analytics components to be integrated with the deployed in the NSP System:
- 2) Two (2) Auxiliary database servers to store large accounting and performance statistics data,
- 3) Two (2) Analytics Servers to process the accounting, performance data and generate Analytics reports , including Operations, Administration and Maintenance (OAM Y.1731),
- 4) Implementation of the Analytics Solution,
- 5) Administrative reports,
- 6) Inventory reports:
  - a. Card inventory,
  - b. Port Details, and
  - c. Port Inventory.
- 7) Utilization reports:
  - a. Utilization: service, customer, link, interface, temperature, CPU and memory,
  - b. Throughput: port, SAP, and
  - c. Uptime: Customer, Service, SAP
- 8) OAM reports (i.e. Y.1731):
  - a. OAM-PM, and
  - b. Ping network, ping service, ping latency and ping jitter & loss

#### B. Tasks

The Contractor will:

## 1) Planning

- a. Organize a kick-off call with MPSCS outlining the additional NSP components: Auxiliary Database and Analytics/Reporting platform. The NSP Subject Matter Expert (SME) will also cover the Analytics application design, describing the NSP Analytics/Reporting platform, application installation steps and configuration procedures.
- b. Undertake requirements and data gathering.
- c. Prepare and submit to MPSCS a list of information required for the NSP Analytics platform and NSP Analytics configuration requirements questionnaire.
- d. Analyze the information provided and ensure that it provides the necessary pre-requisite data and information, highlighting any upfront constraints, risks or gaps.
- e. Determine the types and intervals of statistics to be collected.

## 2) Documentation

Build the following:

- a. Configuration Design Document (CDD) for the NSP Analytics proposed solution. Include in NSP CDD the new servers: Auxiliary Database VMs and Analytics VMs.

## 3) Installation and Configuration

- a. Support installation of underlying OS needed for the target NSP release.
- b. Install the NSP software on designated VMs.
  1. Analytics and Reporting Server software,
  2. Database software for the auxiliary VMs, and
  3. Configuring the types and intervals of statistics to be collected,
- c. Validate the NSP Auxiliary database and Analytics servers using the standard validation checklist.
- d. Enable Analytics on the NSP NFM-P, to include forty-four (44), Administrative, Network and Services reports (including OAM).
- e. Verify the functionality of the Analytics application, as well as, Network and Services reports deployed as part of this service using the Analytics and Reporting test plan.

## 4) Workshop

Demonstrate how to generate reports and interpret results.

- a. This workshop will be delivered after the system has been operational for at least a couple of weeks, in order to have meaningful data that can be utilized for the workshop.
- b. Two (2) workshops of two (2) hours each will be supported remotely.

## 5) Deliverables

The Contractor will provide the following:

- a. CDD  
Remote support for the Analytics solution implemented on the NSP NFM-P System with new NSP components: Analytics and Auxiliary

Database, installed and configured Analytics and Reporting per UCC-37-NS for Network and Services reports

1. Two (2) administrative reports, and
  2. Forty-two (42) network and services reports
- b. Two (2) remote workshop sessions, of two (2) hours each:
1. Demonstrate and assist with configuration and reporting, and
  2. Interpret reports.

## 7.2. State Responsibilities

MPSCS will:

- A. Make available MPSCS's specialists, engineers and technicians to contribute to the project as needed, and including participating in the workshops to review the reports implemented as part of this SOW.
- B. Designate a single point of contact who:
  - 1) Can facilitate technical discussions between the Contractor and MPSCS, and
  - 2) Is empowered with decision making authority on technical issues,
- C. Configure the Virtual Machines on the NSP component servers included in this Service.
- D. Ensure the VMs have been configured per Nokia recommendations.
- E. Respond to the Contractor's technical questions and inquiries for information in a timely manner. The Contractor requires turnaround on technical requests within a reasonable time frame, per mutual agreement.
- F. Install all pre-requisite hardware and cabling.
- G. Complete all pre-testing of facilities (if applicable).
- H. Obtain all necessary Contractor provided license files/keys.
- I. Work with the Contractor to agree on the types and intervals of statistics to be collected.
- J. Provide remote access during the Services duration.
- K. If third party products are involved, secure and fund any third-party cooperation and support.

## 7.3. Assumptions

- A. The service is to add the Analytics and Auxiliary Database servers to one (1) NSP NFM-P system.
- B. The existing NSP NFM-P system is fully operational and connected to the network.
- C. The new VMs for the Analytics components will be integrated at the same software release level as that of the existing NSP NFM-P components.
- D. Red Hat Enterprise Linux (RHEL) 7.3 or later version as indicated by Nokia
- E. MPSCS has purchased Red Hat Enterprise Linux ('RHEL', 'Linux') OS support from the RHEL OS vendor.

- F. MPSCS's OS license includes access to recommended OS patches to ensure their system is not vulnerable to any security threats or known software defects at the OS level.
- G. The service portfolio to be managed by the NMS, along with volumetric information, has already been defined.
- H. The operating model for the management and support of the NMS platform has already been defined.
- I. The overall Operations support system and business support system ("OSS"/"BSS") architecture into which the NMS needs to fit has already been defined.
- J. Sizing of the auxiliary database has been estimated based upon currently available information on the volume of raw data required to support the reports.
- K. Statistics collection takes place on the existing NFM-P Application server (integration of the optional Auxiliary Server - Statistics Collector is not included in this quote).
- L. Determining the types and intervals of statistics to be collected is MPSCS's responsibility (Nokia will assist and/or provide recommendations).
- M. The NSP NFM-P OAM report capability requires that OAM statistics have been provisioned and are being collected on the target network elements.
- N. If third party products are involved, Nokia expects full cooperation from all third-party vendors.
- O. Analytics and Auxiliary Database integration will be performed remotely.
- P. The workshop will be delivered remotely during local business hours.
- Q. The workshop will be scheduled after enough data has been collected by the Auxiliary database servers in order to provide meaningful reports (this may take up to two (2) weeks after the Auxiliary Database and Analytics Server are in service and the network is fully operational, with meaningful traffic traversing the network).

## 8 Schedule / Timeline

This Schedule does not establish or guarantee a specific Service completion schedule.

The Contractor requires a minimum of 4 - 6 weeks from receipt of the Change Notice adding this work, and the DO authorizing this work, until service commencement to accommodate the necessary resource scheduling.

## 9 Exclusions

Any service not expressly included in this SOW is excluded. Among other things, the service(s) listed below, do not include, for example, the following services or tasks.

- A. Project Management Services does not include:
  - 1) On-site support.
- B. Network Design - OAM does not include:
  - 1) OAM design for MPSCS network services (e.g. switched ethernet on demand),
  - 2) The detailed physical design of the network (i.e., design and engineering related to the physical aspects of the network such as cabling, fiber, physical-

layer repeaters, passive optical components, power, air flow, and other physical issues),

- 3) Design pertaining to transport planning/availability (e.g., analysis of available fiber/transport options, design of optical transport network, DWDM/CWDM design/wavelength assignments, link budget calculations, specifications of XFPs/SFPs to be used for various inter-nodal transport links),
- 4) Any design changes requested after the sign off of the OAM design document,
- 5) Any formal (slide-based) training,
- 6) Two-Way Active Measurement Protocol (“TWAMP”),
- 7) Delivery of configuration files to implement OAM Design (these are provided with the “Network Integration – OAM” Service should be purchased by MPSCS),
- 8) Detailed NSP NFM-P provisioning examples of Y.1731,
- 9) OAM design does not include test provisioning or any integration. This will be performed as part of the “OAM Network Integration” Service, and
- 10) Network Low Level Design (“LLD”) document.

C. Network Integration - OAM does not include:

- 1) MOP,
- 2) TWAMP implementation,
- 3) Any updates to existing MPSCS inventory systems,
- 4) Any integration with external 3rd party OSS/BSS systems,
- 5) Any updates/additions potentially required to existing traffic monitoring/planning tools, and
- 6) Any provisioning work on MPSCS management network or firewalls required to make the new network elements reachable from the management network.
- 7) The provisioning or testing of new services added directly, by MPSCS or its agents, to the new Next Generation IP/MPLS Network.

D. NSP NFM-P Software Upgrade does not include:

- 1) The detailed physical design of the network (i.e., design and engineering related to the physical aspects of the network such as cabling, fiber, physical-layer repeaters, passive optical components, power, air flow, and other physical issues),
- 2) RTU licenses: a separate signed purchase order for RTU licenses is a condition precedent for rendering the Services under this SOW. All Proprietary Rights to the Intellectual property vests with Nokia,
- 3) Linux OS software and OS support,
- 4) NSP NFM-P hardware (standalone workstations or Virtual Machine),
- 5) Hardware installation and / or cabling,
- 6) OS RAID deployment, disk mirroring OS tasks,
- 7) OS migration,
- 8) Managed network element configuration, troubleshooting, or upgrades of any kind,
- 9) Troubleshooting of MPSCS developed scripts,
- 10) Troubleshooting NSP components (e.g. Auxiliary Databases, vCPAA, Auxiliary Statistics collectors, etc.),

- 11) Operations support system and business support system ("OSS"/"BSS") integration of the network elements, or network management system, with any third party OSS systems,
  - 12) Technical support for the execution of Nokia developed MOPs by unauthorized personnel, and
  - 13) Any formal (slide-based) training.
- E. NSP Analytics Integration does not include:
- 1) Linux OS software and/or support,
  - 2) NSP NFM-P hardware (Virtual Machine),
  - 3) OS RAID deployment, hardening of the OS and disk mirroring OS tasks,
  - 4) Workstation or Virtual Machine hardware installation,
  - 5) Virtual Machine or KVM configuration (Virtual Machine configuration),
  - 6) Implementation and configuration of Network and Services reports to support,
  - 7) High Level Design (HLD) / Platform Design Document (PDD),
  - 8) Application Assurance (AA) reports,
  - 9) OAM (TWAMP, 802.3ah, 802.1ag) reports,
  - 10) Custom reports, and
  - 11) On-site support.

## 10 Additional Terms

- A. Nokia reserves the right to determine which personnel to assign to perform Services. Nokia personnel shall at all times be subject to the employment conditions of Nokia and not those of MPSCS. If Nokia personnel are present on MPSCS's premises, those Nokia personnel shall respect MPSCS's on-site conditions.
- B. Nokia may use proprietary tools and software for providing this Service. The stated price does not include the sale, licensing or transfer of such tools or software to MPSCS.
- C. All work will be performed during normal business hours – 8 AM to 5 PM, local time, Monday through Friday (excluding holidays) - unless different working hours/schedule have been specified elsewhere in the SOW.

### 10.1 Change Management

- 1) The pricing associated with this Schedule, as reflected in Schedule B (as updated in the Change Notice that adds this Schedule) is based upon performance of the tasks and provision of deliverables specifically defined in this document.
- 2) Requests for additional work activities that are not described in this document, including MPSCS-required overtime or night work, or the application of any different or additional criteria or testing in connection with any Services or deliverables, are subject to acceptance by the Contractor and will entail additional charges to MPSCS and will require a DO.
- 3) Certain matters may require a new quotation under a separate Statement of Work which may be authorized by a DO or added to the Contract via a Change Notice.
- 4) Additional charges may apply if performance or completion of the Service is delayed for any reason beyond Nokia control. After Nokia has exercised its reasonable commercial efforts to minimize the impacts of such delays, the parties may have to

mutually agree on residual impacts in terms of efforts, costs and schedule and after that, MPSCS agrees to authorize Nokia's billing for such work activities as mutually agreed and/or to an appropriate schedule extension attributable to the delay.

## 10.2 Acceptance

See Standard Contract Terms and Conditions, Section 16. Acceptance.

## 11 Pricing Notes

- A. All prices are in US Dollars
- B. Prices do not include taxes.
- C. Any Services not specifically described are not included in the pricing reflected in Schedule B.
- D. Changes involving additional scope, or an extension of the project timeframe will require a change notice in accordance with the contract.
- E. Unless otherwise explicitly stated within the framework of this Schedule, Nokia shall perform all services remotely. For any MPSCS request or requirement for travel by Nokia, all services support, travel and living expenses including lodging, airfare, meals, transportation, and any associated expenses and taxes shall be paid by MPSCS.

## 12 Appendix

### 12.1 NSP Services

<b>Service</b>	<b>Location</b>	<b>Section</b>	<b>Comments</b>
NSP NFM-P Software Upgrade	remote	6.1.C	No comments
NSP Analytics Integration	remote	7.1.B.5	No comments



**STATE OF MICHIGAN**  
**CENTRAL PROCUREMENT SERVICES**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number 2  
 to  
 Contract Number 18000000497

<b>CONTRACTOR</b>	Nokia of America Corporation
	601 Data Drive
	Plano, TX 75075-7839
	Kelly Doerr
	312-802-8450
	kelly.doerr@nokia.com
	VS0037091

<b>STATE</b>	Program Manager	Kate Jannereth	DTMB
		517-881-1031	
	JannerethK@michigan.gov		
	Contract Administrator	Valerie Hiltz	DTMB
(517) 249-0459			
hiltzv@michigan.gov			

**CONTRACT SUMMARY**

NOKIA BACKHAUL HARDWARE, SOFTWARE, LICENSES, MAINT

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
March 7, 2018	March 7, 2023	5 - 1 Year	March 7, 2023

PAYMENT TERMS	DELIVERY TIMEFRAME
	N/A

ALTERNATE PAYMENT OPTIONS	EXTENDED PURCHASING
<input type="checkbox"/> P-Card <input type="checkbox"/> PRC <input type="checkbox"/> Other	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

N/A

**DESCRIPTION OF CHANGE NOTICE**

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input checked="" type="checkbox"/>		<input type="checkbox"/>		September 30, 2026

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
\$2,600,000.00	\$1,400,000.00	\$4,000,000.00

**DESCRIPTION**

Effective November 19, 2021 and retroactive to October 1, 2021 this contract exercising three years and six months of the available option years. The new contract expiration date is September 30, 2026.

This contract is adding additional funding in the amount of \$1,400,000.00 and is revising language in the Standard Contract Terms and Schedule A as attached, revising Schedule B- Pricing as attached, and adding Schedule C- Data Security and Schedule D- Comprehensive Lifecycle Maintenance Plan as attached.

All other terms, conditions and specifications remain the same. Per Contractor and Agency agreement and DTMB Central Procurement Services Approval and as approved by the State Administrative Board on November 16, 2021.



**A. Revisions to Standard Contract Terms**

1. Remove Sections 2, 3 and 4 in their entirety and replace in their entirety with the following language:

2. **Notices.** All notices and other communications required or permitted under this Contract must be in writing and will be considered given and received: (a) when verified by written receipt if sent by courier; (b) when actually received if sent by mail without verification of receipt; or (c) when verified by automated receipt or electronic logs if sent by facsimile or email.

If to State:	If to Contractor:
Valerie Hiltz 525 W. Allegan Street, 1 <sup>st</sup> Floor, NE Lansing, MI 48933 HiltzV@michigan.gov 517-249-0459	Legal & Compliance 600 Mountain Avenue Murray Hill, NJ 07974 Eric.Negley@nokia.com 770-289-1432

3. **Contract Administrator.** The Contract Administrator for each party is the only person authorized to modify any terms of this Contract, and approve and execute any change under this Contract (each a “**Contract Administrator**”):

State:	Contractor:
Valerie Hiltz 525 W. Allegan Street, 1 <sup>st</sup> Floor, NE Lansing, MI 48933 HiltzV@michigan.gov 517-249-0459	Eric Negley Eric.Negley@nokia.com 770-289-1432

4. **Program Manager.** The Program Manager for each party will monitor and coordinate the day-to-day activities of the Contract (each a “**Program Manager**”):

State:	Contractor:
Kate Jannereth 7150 Harris Drive Dimondale, MI 48821 JannerethK@michigan.gov 517-881-1031	Kelly Doerr Kelly.Doerr@nokia.com 312-802-8450

2. Remove Section 7 noted as “RESERVED” and add the following language in its entirety:

7. **Administrative Fee and Reporting.** Contractor must pay an administrative fee of 1% on all payments made to Contractor under the Contract including transactions with MiDEAL members, and other states (including governmental subdivisions and authorized entities).

Administrative fee payments must be made online by check or credit card at:  
<https://www.thepayplace.com/mi/dtmb/adminfee> or via check mailed to the remittance address provided by State and/or MiDEAL Member(s).

Contractor must submit an itemized purchasing activity report, which includes at a minimum, the name of the purchasing entity and the total dollar volume in sales. Reports should be mailed to [MiDeal@michigan.gov](mailto:MiDeal@michigan.gov).

The administrative fee and purchasing activity report are due within 60 calendar days from the last day of each calendar quarter.

3. Remove Section 8 noted as "RESERVED" and add the following language in its entirety:

- 8. Extended Purchasing Program.** This contract is extended to MiDEAL members. MiDEAL members include local units of government, school districts, universities, community colleges, and nonprofit hospitals. A current list of MiDEAL members is available at [www.michigan.gov/mideal](http://www.michigan.gov/mideal).

Upon written agreement between the State and Contractor, this contract may also be extended to: (a) other states (including governmental subdivisions and authorized entities) and (b) State of Michigan employees.

If extended to an MiDEAL member, Contractor must supply all Contract Activities at the established Contract prices and terms. The State reserves the right to impose an administrative fee (1%) and negotiate additional discounts based on any increased volume generated by such extensions.

Contractor must submit invoices to, and receive payment from, participating MiDEAL members on a direct and individual basis. MiDEAL Member Delivery Order(s) must include "MiDEAL" and State "Contract Number 18000000497" on the first page of the Delivery Order(s) to ensure accurate quarterly reporting.

4. Delete and replace Section 24. Termination for Convenience as follows:

24. Termination for Convenience. Except for Schedule D maintenance and any associated Purchase Order(s) which are non-cancellable except in the event of an legislative and/or agency appropriation or budget shortfall, State may immediately terminate this Contract in whole or in part without penalty and for any reason, including but not limited to, appropriation or budget shortfalls. The termination notice will specify whether Contractor must: (a) cease performance of the Services and/or delivery of the Products immediately, or (b) continue to perform the Services and/or delivery of Products in accordance with Section 25 Transition Responsibilities. If the State terminates this Contract for convenience, the State will pay for amounts due Contractor for Products, delivered and/or Services performed on or before the date of termination.

## B. Revisions to Schedule A- Statement of Work

1. Remove the preamble and replace it in its entirety with the following language:

### BACKGROUND

Need a single contract for purchasing Nokia of America Corporation (hereinafter "Nokia" or "Contractor") equipment and services (to include network design, microwave path design, IP Routing and DWM optical design as well as design and implementation and configuration of equipment offered) in order to maintain the Michigan's Public Safety Communications Systems microwave backhaul network.

### SCOPE

All service and maintenance to be performed by qualified personnel familiar with the equipment. Need a parts, equipment and software list and description of Contractor product lines with pricing, but not be limited to parts, equipment, and software in lists. Vendor will be responsible for validating model numbers and versions to ensure they are compatible with our system. Must be able to provide factory initial assembly, configuration and testing as needed.

Must be able to offer support services for Network Service Platform (NSP), Service Portal Express (SPE) and TSM8000 during installations and upgrades. Provide professional and repair services for Alcatel-Lucent microwave and networking equipment including but not limited to Wavence (formally 9500MPR) microwave radio series, 7750SR, 7705SAR, 7210, 7250, etc. IP Routing series and 1830 WDM series.

Must have microwave path design and network design abilities.

2. Remove Section 1.1. Product Specification in its entirety and replace with the following language:

**1.1. Products and Services**

- A. The Contractor will make available to the State a price list of the equipment, parts, software, service and maintenance as necessary to build, upgrade and maintain the MPSCS microwave backhaul network.
- B. The Contractor will make available future new technologies and technology solutions as necessary to refresh radio systems created under this contract or to augment existing State systems.

3. Remove Section 1.2. Warranties in its entirety and replace with the following language:

**1.2. Warranties**

The Contractor will provide to the State warranties as provided for in the Standard Contract Terms, Section 19. Limited Warranty and Section 37. Warranty and Representations.

4. Remove Section 1.3. Recall Requirements and Procedures in their entirety and replace with the following language:

**1.3. Recall Requirements and Procedures**

Nokia complies with Telcordia GR209 Generic Requirements for Product Change Notices ("PCNs"). PCN alerts are used by Nokia to announce Customer-impacting changes to product's defined Form Fit, or Functional compatibility. PCN alert is published via On-Line Customer Support ("OLCS") portal and Customer(s) who is/are OLCS subscribers to entitled products based on service agreement will automatically get an email alert notification.

5. Remove Section 1.4. Quality Assurance Program in its entirety and replace with the following language:

**1.4. Quality Assurance Program**

Nokia Quality Management System ("QMS") meets "ISO 9001:2015/TL 9000 R6.1/R5.5 H, S, V" certification requirement as evidenced by certification number "271992-7", 'Revision Date of 18 September 2020' with an expiration date of '9 January 2023'.

- A. Delivering differentiated products, services and solutions reliably and securely - first time, every time, on time, as promised
- B. Relentlessly pursuing continuous improvement of business processes and quality management to enable superior performance
- C. Constantly renewing our knowledge, skills and techniques to innovate new ways to serve customers and enable the human possibilities of technology
- D. Valuing each other, our customers and stakeholders while honoring ethical, legal and statutory obligations

6. Remove Section 1.5. Incentives in its entirety and replace with the following product discontinuation notice language:

**1.5. Product Discontinued Notice.**

Contractor support portals provide easy and secure access to the services such as solution and product documentation, software, case handling, and e-learning, for Contractor customers, partners, suppliers and independent contractors. Contractor allows various users to access various Contractor support portals based on their needs. Within the Contractor support portal, the State may register for product notifications. Once registered, notifications are automatically delivered via email to the registered State employee.

As part of Nokia's Product and LifeCycle Management process, when certain products (Hardware and Software) has reached its 'End-of-Life' ("EoL"), Nokia will publish EoL Alert (information includes (a) Recommended Replacement Product/Part, (b) Last Time Buy date, and (c) End of Product Support date) via its On-Line Customer Support ("OLCS") Portal. Customer(s) who is/are OLCS subscribers to entitled products based on service agreement will automatically get an email alert notification. Production capabilities for the product/release ramped down starts when last order(s) is fulfilled. Nokia also reserves the right to republish EoL Alert at any time to convey material changes such as but not limited to change timeline milestones or replacement part updates. Alert(s) may also be republished on or near milestones dates as a courtesy reminder of the milestones arrival.

7. Add new Section 1.6. Specific Standards as follows:

**1.6. Specific Standards**

**A. IT Policies, Standards and Procedures (PSP)**

Contractors are advised that the State has methods, policies, standards and procedures that have been developed over the years. Contractors are expected to provide proposals that conform to State IT policies and standards. All services and products provided by Contractor must comply with all applicable State IT policies and standards. Contractor is required to review all applicable links provided below and state compliance in their response.

Public IT Policies, Standards and Procedures (PSP):

[https://www.michigan.gov/dtmb/0,5552,7-358-82547\\_56579\\_56755---,00.html](https://www.michigan.gov/dtmb/0,5552,7-358-82547_56579_56755---,00.html)

**B. Acceptable Use Policy**

To the extent that Contractor has access to the State's computer system, Contractor must comply with the State's Acceptable Use Policy, see [http://michigan.gov/dtmb/0,4568,7-150-56355\\_56579\\_56755---,00.html](http://michigan.gov/dtmb/0,4568,7-150-56355_56579_56755---,00.html). All Contractor Personnel will be required, in writing, to agree to the State's Acceptable Use Policy before accessing the State's system. The State reserves the right to terminate Contractor's access to the State's system if a violation occurs.

**C. SOM Digital Standards**

Where applicable, all software items provided by the Contractor must adhere to the State of Michigan Application/Site Standards which can be found at [www.michigan.gov/standards](http://www.michigan.gov/standards).

8. Remove Section 4.1 Pricing in its entirety and replace with the following language:

**4. Pricing**

- A. The Contractor agrees that the pricing of Products with the same features and requirements set forth in this Contract do not exceed those charged by the Contractor to any other customer purchasing the same under similar conditions and in like or similar quantities in the United States of America. Should the Contractor negotiate better contract pricing with any other entity

purchasing the same under similar conditions and in like or similar quantities in the United States of America, those new prices will be reflected in the pricing of this Contract.

B. Pricing is as established in Schedule B- Pricing.

1. Product and Service Pricing. Pricing will be based upon discounts off of manufacturer published list pricing for products and services as established in their catalog. (See Section 4.2. Product Pricing Catalog).
2. Maintenance Pricing. Pricing for maintenance will be as negotiated relative to the scope of work established in Schedule D.

**4.1. Price Term and Price Changes**

A. Product and Service Pricing.

1. Pricing is firm and fixed for the negotiated pricing period as documented in Schedule B.
2. Adjustments to pricing may be made at the end of the negotiated pricing periods and will take effect no earlier than the next pricing period. To establish this pricing, new pricing catalogs must be provided to the Contract Administrator 30 days prior to the new pricing period for incorporation into the Contract via Change Notice.

B. Maintenance Pricing. Pricing for maintenance will be firm fixed, as established in Schedule B, for five (5) years for the scope established in Schedule D.

1. At the conclusion of the selected maintenance term of five (5) years), the parties will calculate the actual total number of Supported Products and compare to the quoted total number of Supported Products. The parties shall calculate the difference between the actual quantity and the quoted quantity for each Support Product (the "Difference"). If the Difference between the actual total number of a Supported Product exceeds the quoted total number of a Supported Product, then MPSCS shall pay Contractor the unit maintenance price per Supported Product times the Difference no later than 30 days after receipt of an invoice. If the Difference between the actual total number of a Supported Product is less than the quoted total number of Supported Product, then Contractor shall provide a purchase credit of the unit maintenance price per Supported Product times the Difference for the purchase of Contractor goods and/or services only. Any service credit provided by Contractor to MPSCS is non-transferable, non-assignable and must be used (i) In the event of expiration of the Schedule D maintenance term, service credit can be utilized to provide (transitional) maintenance for the period of time covered by the service credit until such service credit is exhausted; or (ii) In the event of renewal of the Schedule D maintenance term, service credit can be applied to the invoice for the renewal of the Schedule D maintenance term.
2. Adjustments will be based on changes in actual Contractor costs. Any request must be supported by written evidence documenting the change in costs. The State may consider sources, such as the Consumer Price Index; Producer Price Index; other pricing indices as needed; economic and industry data; manufacturer or supplier letters noting the increase in pricing; and any other data the State deems relevant.
3. Following the presentation of supporting documentation, both parties will have 30 days to review the information and prepare a written response. If the review reveals no need for modifications, pricing will remain unchanged unless mutually agreed to by the parties. If the review reveals that changes are needed, both parties will negotiate such changes, for no longer than 30 days, unless extended by mutual agreement.
4. The Contractor remains responsible for Contract Activities at the current price for all orders received before the mutual execution of a Change Notice indicating the start date of the new Pricing Period.

**4.2. Product Pricing Catalog**

The Contractor will provide to the State a copy of its complete catalog(s) with the exact manufacturer list price as published nationally.

- A. This will be the pricing against which the Discounts Off List will be placed.
- B. This will be the pricing used to verify current product pricing and for audit purposes.
- C. This price list will be provided to the State in a PDF Catalog format which will be provided to the Contract Administrator annually for publication with this Contract.

9. Remove Section 5.1. Authorizing Document in its entirety and replace with the following language:

**5.1. Authorizing Document**

- A. The appropriate authorizing document for the Contract will be this Contract and/or a Delivery Order ("DO") against this Contract.
  - 1. The following services, upgrades and maintenance are annually authorized, with pricing published in Schedule B- Pricing, with this Contract acting as the basis of the order.
    - a. Microwave Maintenance (see Schedule D)
    - b. NI Maintenance (see Schedule D)
    - e. Core E Upgrade Equipment (see Schedule B)
    - f. Management Adjustments, as applicable (see Schedule B)(See Section 8.1.A. for invoicing requirements).
  - 2. The appropriate authorizing document for all other contracted products or deliverables will be a DO as detailed in Section 15 of the Standard Contract Terms

10. Remove Section 8. Invoice and Payment and replace with the following language:

**8.1. Invoice Requirements**

- A. Annual services, upgrades and maintenance identified in Section 5.1.A.1. will be automatically invoiced on an annual basis.
  - 1. Any credits due to the State, will be shown on as a line-item credit against these annual charges.
- B. Invoicing for products and deliverables ordered via a DO will be based on prices established at time of order.
  - 1. Invoices will not be submitted until:
    - a. Product has been delivered; or
    - b. Non-recurring services, e.g. engineering and installation services, as such services are incurred.
  - C. All invoices submitted to the State must include:
    - a. date;
    - b. Contract number and/or delivery order number;
    - c. quantity;
    - d. description of the Contract Activities;
    - e. unit price; and
    - f. total price.

**8.2. Bill To/ Ship To**

Unless otherwise noted in a DO, or as mutually agreed to in writing, the below addresses will be used for billing and shipping:

- A. Bill to:  
Elliot Larson Building

DTMB – Financial Services  
300 South Walnut  
Lansing, MI 48933

- B. Ship to (for annual service and maintenance on Schedule B):
  - MSP HQ
  - MPSCS
  - 7150 Harris Drive
  - Dimondale, MI 48821

**8.3. Payment Methods**

The State will make payment for products and/or services via EFT within 30 days as indicated in Standard Contract Terms, Section 20.

11. Remove and Replace Schedule A Section 6.1 Delivery Programs as follows:

**6.1. Delivery/Shipping Costs**

Contractor will deliver all Contract Activities FOB Origin, prepaid and invoiced by the Contractor, payable by the state. Contractor will provide back-up shipping documentation when requested.

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Revised via CN #2 Effective 10/1/2021

**SECTION 1. UPGRADES AND MAINTENANCE**

**Microwave Maintenance**

Ordering Instructions	Product	Service Type	Year 1 Qty	Year 1 (10/01/2021 to 09/30/2022)	Year 2 Qty	Year 2 (10/01/2022 to 09/30/2023)	Year 3 Qty	Year 3 (10/01/2023 to 09/30/2024)	Year 4 Qty	Year 4 (10/01/2024 to 09/30/2025)	Year 5 Qty	Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
301090767	9500 MPR	Technical Support -Gold	584 hops	\$128,480.00	619 hops	\$136,180.00	656 hops	\$ 144,320.00	696 hops	\$153,120.00	737 hops	\$ 162,140.00	\$724,240.00
3EM24592AAAB	MSS Shlves	Software Subscription Plan	290 Shlvs	\$50,750.00	307 Shlvs	N/A	326 Shlvs	\$ 57,050.00	345 Shlvs	N/A	366 Shlvs	\$ 64,050.00	\$171,850.00
3EM16790HN	TSM-8000	Software Subscription Plan	1 server	\$18,450.00		N/A	1 server	\$ 18,450.00		N/A	1 server	\$ 18,450.00	\$55,350.00

\$951,440.00

Pricing Notes:	1. The pricing is valid only for the configuration information presented. Any changes to the configuration may result in a different pricing structure.
	2. Remote Technical Support services do NOT include software upgrade support. State of Michigan Staff to install software upgrades.
	3. For SSP purchase, the minimum acceptable software loaded in the NEs must be an N-1 version of software. Otherwise, the State of Michigan will have to upgrade the network accordingly and will be responsible for the associated software licenses' cost and services.
	4. Quote with TS Gold Service would be applicable only if MPSCS upgrades the MW nodes to current supported software release on or before 06/30/2024 otherwise Years 4-5 maintenance quote is not valid.

**NI Maintenance**

Ordering Instructions	Product	Service Type	Year 1 Qty	Year 1 (10/01/2021 to 09/30/2022)	Year 2 Qty	Year 2 (10/01/2022 to 09/30/2023)	Year 3 Qty	Year 3 (10/01/2023 to 09/30/2024)	Year 4 Qty	Year 4 (10/01/2024 to 09/30/2025)	Year 5 Qty	Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
301013231	7705 SAR-8 including NSP (R8)	Technical Support Gold	322	\$ 233,450.00	342	\$ 247,950.00	363	\$ 263,175.00	385	\$279,125.00	409	\$ 296,525.00	\$1,320,225.00
3HE05610AB	7705 SAR-8	Software Subscription Plan	335	\$ 168,505.00	356	N/A	378	\$ 190,134.00	401	N/A	426	\$ 214,278.00	\$572,917.00
301013231	7705 SAR-Hc including NSP (R8)	Technical Support Gold	54	\$39,150.00	57	\$ 41,325.00	60	\$ 43,500.00	63	\$45,675.00	67	\$48,575.00	\$218,225.00
3HE05610AB	7705 SAR-Hc	Software Subscription Plan	58	\$29,174.00	62	N/A	66	\$ 33,198.00	70	N/A	75	\$37,725.00	\$100,097.00
3HE10161AA	NSP:NFM-P (R18)	Software Subscription Plan	1	\$280,000.00			1	\$280,000.00			1	\$280,000.00	\$840,000.00

\$3,051,464.00

Pricing Notes:	1. The pricing is valid only for the configuration information presented. Any changes to the configuration may result in a different pricing structure.
	2. Remote Technical Support services do NOT include software upgrade support. State of Michigan Staff to install software upgrades.
	3. For SSP purchase, the minimum acceptable software loaded in the NEs must be an N-1 version of software. Otherwise, the State of Michigan will have to upgrade the network accordingly and will be responsible for the associated software licenses' cost and services.
	4. Product must be maintained at a current software release for maintenance technical support, otherwise Life Extender will apply and additional charges may result.

**Core E Upgrade Equipment**



Ordering Instructions	Product		Qty	Year 1 (10/01/2021 to 09/30/2022)	Year 2 (10/01/2022 to 09/30/2023)	Year 3 (10/01/2023 to 09/30/2024)	Year 4 (10/01/2024 to 09/30/2025)	Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
3DB18788BA	CorEvo-10G	Unit price: \$1,565.20	98	\$153,389.60	N/A	N/A	N/A	N/A	\$153,389.60
3DB23386AEAC	9500 MPR R8.0 uSD Card for CorEvo-10G ICS03	Unit Price: \$36.00	98	\$3,528.00	N/A	N/A	N/A	N/A	\$3,528.00
3DB18970BMBC	9500 MPR R8.0 SW Electronic Delivery Kit ICS03	Unit Price: \$360.00	49	\$17,640.00	N/A	N/A	N/A	N/A	\$17,640.00
									\$174,557.60

Pricing Notes:	1. Core-E upgrade pricing is based on customer request to upgrade Core-E running R8.0 software to CorEvo. Customer provided inventory list was used to arrive at the quantities based on 49 sites.
	2. Core-E HW upgrade management adjustments is a one-time management adjustment applicable to this offer only. The proposed hardware quoted must be purchased in full as quoted or the management adjustment will not be valid.
	3. Freight: FOB Point of Origin, prepaid and added to invoice.

**Management Adjustments**

Credits	Year 1 (10/01/2021 to 09/30/2022)	Year 2 (10/01/2022 to 09/30/2023)	Year 3 (10/01/2023 to 09/30/2024)	Year 4 (10/01/2024 to 09/30/2025)	Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
Management Incentive for 5-Year maintenance	-\$122,498.05	-\$47,229.93	\$ -132,249.84	-\$53,030.10	\$ -143,204.61	-\$498,212.53
Core-E upgrade One-time Management Adj for CorEvo-10G and R8.) uSD Card for CoEvo-10G ICS03	-\$50,244.00					-\$50,244.00
Core-e upgrade One-time Management Adj for 9500 MPR R8.0 SW Electronic Delivery Kit	-\$17,640.00					-\$17,640.00
						-\$566,096.53

	Year 1 (10/01/2021 to 09/30/2022)	Year 2 (10/01/2022 to 09/30/2023)	Year 3 (10/01/2023 to 09/30/2024)	Year 4 (10/01/2024 to 09/30/2025)	Year 5 (10/01/2025 to 09/30/2026)	Totals (10/1/2021 to 9/30/2026)
Total by Year	\$932,134.55	\$378,225.07	\$897,577.16	\$424,889.90	\$ 978,538.39	\$3,611,365.07

**SCHEDULE B- PRICING**

**Contract # 180000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

**MICROWAVE EQUIPMENT** **NOKIA**

**Wavence Microwave Solution, an evolution of the 9500 MPR Family**

Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
<b>RACKS - Table K</b>				
694-9000-006	Standard Rack, 7' tall, 19" wide	N	\$ 517.50	\$ 362.25
1AD014120046	Seismic Rack, 7.0'	N	\$ 1,725.00	\$ 1,207.50
690-1125-003	Rack Extension Kit - 19" rack	N	\$ 264.50	\$ 185.15
3EM13317AB	Power Distribution Panel with Fuse Alarm Card included	N	\$ 523.25	\$ 366.28
3EM13317AC	Power Distribution Panel with Relay Alarm Card included	N	\$ 753.25	\$ 527.28
690-4373-001	Kit AC Outlet	N	\$ 105.00	\$ 73.50
695-1001-006	Aluminum Rack Screw Kit	N	\$ 50.00	\$ 35.00
695-1001-007	Seismic Rack Screw Kit	N	\$ 79.00	\$ 55.30
695-1001-005	Seismic Rack Grounding Kit	N	\$ 150.00	\$ 105.00
694-9004-001	Adjacent Rack Attachment Assy (without rack extensions)	N	\$ 28.75	\$ 20.13
694-9004-002	Adjacent Rack Attachment Assy (with rack extensions)	N	\$ 33.06	\$ 23.14
3EM19148AD	Laptop Shelf Assy	N	\$ 690.00	\$ 483.00
<b>RACKS - Table K1</b>				
695-0905-003	Standard Rack, 7' tall, 23" wide	N	\$ 575.00	\$ 402.50
694-8873-005	Adapters for 23", 2 RU (PDU two required)	N	\$ 34.50	\$ 24.15
<b>CABINETS</b>				
3MU00079BA	9500 MPR Flx16WS 1 MSS	N	\$ 21,000.00	\$ 14,700.00
3MU00079AB	9500 MPR Flx16WS 2 MSS	N	\$ 23,000.00	\$ 16,100.00
<b>Cabinets - Wall and H-Frame Mounting</b>				
3EM24726AA	Kit, Wall Mount, ATT FTTCs	N	\$ 1,619.24	\$ 1,133.47
3MV00159AB	Kit, Wall Mount, FLX16WS, Battery Base	N	\$ 3,320.66	\$ 2,324.46
3MV00159AC	Kit, Wall Mtg, FTTCs, 90Deg	N	\$ 4,432.05	\$ 3,102.44
<b>Cabinets - Pole Mounting Kits</b>				
3MV00159AD	Kit, Pole Mnt, FTTCs	N	\$ 5,591.92	\$ 3,914.34
3MV00159AE	Kit, Pole Mnt, FTTCs, 90Deg	N	\$ 5,953.50	\$ 4,167.45
3MV00159AF	Kit, Banded, Pole Mnt, FTTCs	N	\$ 5,075.16	\$ 3,552.61
<b>Cabinets - Pad Mount Kits</b>				
3MV00159AH	Kit, ASSY, Plinth, 4" High, FTTCs	N	\$ 2,989.48	\$ 2,092.64
3MV00159AJ	Kit, ASSY, Plinth, 14" High, FTTCs	N	\$ 3,242.15	\$ 2,269.51
3MV00159AK	ASSY, Plate, Anchor, FLX, FTTCs	N	\$ 2,276.70	\$ 1,593.69
1AD165490001	Kit, 1/2-13 hardware, FTTCs, CAB to CAB	N	\$ 166.59	\$ 116.61
<b>Cabinets - MPT-HL Flex 25</b>				
3MU00119CC	9500 MPR FLX25 MPT-HL Cabinet with MSS	N	\$ 54,644.00	\$ 19,125.40
<b>Cabinets - MPT-HL Flex 25 Mounting Option</b>				
3MU00127AA	Flex25 14" Plinth Base	N	\$ 4,460.85	\$ 1,561.30
3MU00128AA	Flex25 Pole Mount Kit	N	\$ 4,466.60	\$ 1,563.31
<b>Cabinets - Eyebolt FRU Kit</b>				
1AD165480001	LIFT BOLTS 1/2 9412	N	\$ 241.80	\$ 169.26
<b>MSS SHELF OPTIONS - Table A</b>				
1AB405070001	DS1 Patch Panel D1M-1C2036	N	\$ 3,300.00	\$ 2,310.00
1AB404960001	DS1 Circuit Protection RH33250-000	N	\$ 1,400.00	\$ 980.00
<b>MSS SHELF OPTIONS - Table A</b>				
3EM22715AH	9500 MPR Shelf Kit w/FanEvo - HSv2	N	\$ 2,150.00	\$ 752.50
3EM24463AB	9500 MPR Shelf Kit (MSS-4 10G)	N	\$ 1,210.00	\$ 423.50
3DB18163AB	MSS Slot Cover - Blank Plate 1/2H	N	\$ 40.60	\$ 14.21
3CC52216AA	Fan Alarm Cable 7.5m	N	\$ 83.20	\$ 29.12
3CC52216AB	Fan Alarm Cable 15m	N	\$ 123.00	\$ 43.05
3DB05594AA	AUX Cable for Housekeeping	N	\$ 74.00	\$ 25.90
<b>MSS SHELF OPTION SPARES - Table A</b>				
3DB18485EA	9500 MSS-8 Shelf HSv3	N	\$ 1,430.00	\$ 500.50
3DB18219DA	MSS-4 10G Shelf	N	\$ 575.00	\$ 201.25
3EM23911BB	MSS Fan Alarm Evo	Y	\$ 400.00	\$ 140.00

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

**MICROWAVE EQUIPMENT** **NOKIA**

3DB19506AA	MSS-4 10G FAN	Y	\$ 330.00	\$ 115.50
3MU00153AA	MSS Power Supply Cable Kit	N	\$ 121.00	\$ 42.35
3EM24095AC	MPT-HL & HLC Power Cable	N	\$ 216.00	\$ 75.60
3EM24040AA	MPT-HL Air Filter (Spare)	N	\$ 50.00	\$ 17.50
3DB76288AA	MPT-HLC Air Filter Kit (Spare)	Y	\$ 213.00	\$ 74.55
3DB19325AA	MSS-8 Side Filter	N	\$ 69.00	\$ 24.15
3DB19580AA	MSS-8 Side Filter - Mid Mount	N	\$ 92.00	\$ 32.20
3DB19325AB	MSS-8 Side Filter Screen	N	\$ 69.00	\$ 24.15
3DB19580AB	MSS-8 Side Filter Sreen - Mid Mount	N	\$ 92.00	\$ 32.20
<b>MSS1 - Table A1</b>				
3DB19015CA	MSS1 Spare ONLY	Y	\$ 3,200.00	\$ 1,120.00
3MU00109AC	MSS1 Kit	Y	\$ 3,250.00	\$ 1,137.50
1AC007800068	cable to power MSS-1c (2 conductors, 1mm sq) GLP is per foot	N	\$ 0.77	\$ 0.54
<b>MSS1 - Table A1</b>				
3DB19445AA	MSS-E	Y	\$ 2,500.00	\$ 875.00
3DB19575AA	MSS-HE	Y	\$ 3,200.00	\$ 1,120.00
3MU00187AA	MSS-E Rack Kit	Y	\$ 80.00	\$ 28.00
3MU00187BA	MSS-HE/XE Rack Kit	Y	\$ 170.00	\$ 59.50
<b>MSS-O - Table A1</b>				
3DB19159AA	MSS-O AC Kit, include Pole/Wall Mounting	Y	\$ 3,375.00	\$ 1,181.25
3DB19281AA	MSS-O DC Kit, include Pole/Wall Mounting	Y	\$ 3,375.00	\$ 1,181.25
3DB19158AA	Pole/wall IM for MSS-O, Spare ONLY	N	\$ 275.00	\$ 96.25
1AB150990012	RFE protection connector MSS-O	Y	\$ 42.00	\$ 14.70
1AB150990013	fiber extension tube for MSS-O	N	\$ 197.00	\$ 68.95
1AC052600002	Outdoor AC Power Cable (meter)	N	\$ 9.00	\$ 3.15
1AC057660001	Outdoor DC Power Cable (meter)	N	\$ 12.00	\$ 4.20
3CC50271AA	Triple Grounding Kit	N	\$ 324.00	\$ 113.40
3CC52210AA	MM Fiber, LC/LC for MSS-O, 5m	N	\$ 135.00	\$ 47.25
3CC52210AB	MM Fiber, LC/LC for MSS-O, 10m	N	\$ 157.00	\$ 54.95
3CC52210AC	MM Fiber, LC/LC for MSS-O, 25m	N	\$ 199.00	\$ 69.65
<b>MSS SHELF OPTIONS - Table A</b>				
3DB18788BA	CorEvo-10G	Y	\$ 3,010.00	\$ 1,053.50
3DB18126AE	32xT1 TDM Module - TH/Clei	Y	\$ 2,030.00	\$ 710.50
3DB18634AB	MPT-Access with PoE	Y	\$ 1,754.00	\$ 613.90
3DB18236AB	AUX Housekeeping	Y	\$ 950.00	\$ 332.50
3DB18735AA	2xOC3 Module	Y	\$ 1,879.00	\$ 657.65
3DB19017AB	Ethernet Access Module Version2 with PoE	Y	\$ 2,400.00	\$ 840.00
3DB78017AA	Sync In/Out SFP for MSS-1/CorEvo-10G	Y	\$ 1,200.00	\$ 420.00
3DB78022AA	1588 ToD SFP	Y	\$ 1,000.00	\$ 350.00
3DB19417AA	EAC 1G	Y	\$ 1,600.00	\$ 560.00
3DB19343AA	EAC 10G	Y	\$ 1,800.00	\$ 630.00
1AB380750004	DS3 SFP	Y	\$ 2,075.00	\$ 726.25
<b>Optical Coupler for CoreE Protection</b>				
3EM09257AA	Fiber Management Panel	N	\$ 172.50	\$ 60.38
1AB432200001	Splitter/Combiner unit for 2x4 Management Panel (LC)	N	\$ 1,200.00	\$ 420.00
1AB123320023	Splitter/Combiner unit for 2x4 Management Panel (SC)	N	\$ 1,000.00	\$ 350.00
<b>DC Power Injector for MPT-HC</b>				
3CC50129AA	DC injector Box	Y	\$ 400.00	\$ 140.00
3CC50120AA	DC injector plug-in	Y	\$ 250.00	\$ 87.50
3CC50174AB	MPT Extended Power Unit	Y	\$ 1,653.15	\$ 578.60
<b>DC-DC Power Convertor MSS Version</b>				
3DB18862AA	+24 /-48 Vdc Two converters with chassis (Requires 1 MSS Slot)	N	\$ 2,790.00	\$ 976.50
<b>SOFTWARE R6.1x - Table B</b>				
3DB23386ABAC	9500 MPR R6.1.0 uSD Card for CorEvo-10G ICS03	N	\$ 100.00	\$ 35.00
3DB18970BJAC	9500 MPR R6.1 SW CD Kit (MSS1/4/8) ICS03	N	\$ 1,500.00	\$ 525.00
3DB18970BJBC	9500 MPR R6.1 SW Electronic Delivery Kit ICS03	N	\$ 1,000.00	\$ 350.00
3EM23086ATAC	9500 MPR R6.1.0 Flash Card ICS03	N	\$ 100.00	\$ 35.00
<b>SOFTWARE R7.x.x - Table B</b>				
3DB23386ADAB	9500 MPR R7.1.0 uSD Card for CorEvo-10G ICS02	N	\$ 100.00	\$ 35.00
3DB18970BLAB	9500 MPR R7.1 SW CD Kit ICS02	N	\$ 1,500.00	\$ 525.00
3DB18970BLBB	9500 MPR R7.1 SW Electronic Delivery Kt ICS02	N	\$ 1,000.00	\$ 350.00

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

**MICROWAVE EQUIPMENT** **NOKIA**

3EM23086AVAB	9500 MPR R7.1.0 Flash Card ICS02	N	\$ 100.00	\$ 35.00
<b>SOFTWARE R8.x.x - Table B</b>				
3DB23386AEAC	9500 MPR R8.0 uSD Card for CorEvo-10G ICS03	N	\$ 100.00	\$ 35.00
3DB18970BMAC	9500 MPR R8.0 SW CD Kit ICS03	N	\$ 1,500.00	\$ 525.00
3DB18970BMBC	9500 MPR R8.0 SW Electronic Delivery Kit ICS03	N	\$ 1,000.00	\$ 350.00
3EM23086AWAC	9500 MPR R8.0 Flash Card ICS03	N	\$ 100.00	\$ 35.00
<b>SOFTWARE R18 - Table B</b>				
3DB17020BAAA	Wavence 18 uSD Card for CoreEvo-10G	N	\$ 100.00	\$ 35.00
3DB17010GAAB	Wavence 18 SW CD Kit	N	\$ 1,500.00	\$ 525.00
3DB17010HAAB	Wavence 18 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 350.00
3DB17020DAAA	Wavence 18 Flash Card MSS1/MSSO	N	\$ 100.00	\$ 35.00
3DB17020FAAA	Wavence 18 Flash Card Core-E	N	\$ 100.00	\$ 35.00
<b>SOFTWARE R18A - Table B</b>				
3DB17020BBAA	Wavence 18A uSD Card for CoreEvo-10G ICS02	N	\$ 100.00	\$ 35.00
3DB17010GBAC	Wavence 18A UR SW CD Kit ICS02	N	\$ 1,500.00	\$ 525.00
3DB17010HBAC	Wavence 18A UR SW Electronic Delivery Kit ICS02	N	\$ 1,000.00	\$ 350.00
3DB17020DBAA	Wavence 18A Flash Card MSS1/MSSO ICS02	N	\$ 100.00	\$ 35.00
3DB17020FBAA	Wavence 18A Flash Card Core-E ICS02	N	\$ 100.00	\$ 35.00
<b>SOFTWARE R19 19A - Table B</b>				
3DB17020DDAA	Wavence 19A uSD Card for CoreEvo-10G	N	\$ 100.00	\$ 35.00
3DB17010GCAA	Wavence 19 SW CD Kit	N	\$ 1,500.00	\$ 525.00
3DB17010HCAA	Wavence 19 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 350.00
3DB17020ECAA	Wavence 19 Flash Card MSS1/MSSO	N	\$ 100.00	\$ 35.00
3DB17020FCAA	Wavence 19 Flash Card Core-E	N	\$ 100.00	\$ 35.00
3DB17020DDAF	Wavence 19A ICS05 uSD Card for CoreEvo-10G	N	\$ 100.00	\$ 35.00
3DB17010HDAF	Wavence 19A ICS05 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 350.00
3DB17020EDAA	Wavence 19A Flash Card MSS1/MSSO	N	\$ 100.00	\$ 35.00
3DB17020FDAA	Wavence 19A Flash Card Core-E	N	\$ 100.00	\$ 35.00
<b>SOFTWARE R20 - Table B</b>				
3DB17020DEAC	Wavence 20 uSD ICS03 Card for CoreEvo-10G	N	\$ 100.00	\$ 35.00
3DB17010HEAC	Wavence 20 ICS03 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 350.00
3DB17020DEAB	Wavence 20 uSD ICS02 Card for CoreEvo-10G	N	\$ 100.00	\$ 35.00
3DB17010GEAB	Wavence 20 ICS02 SW CD Kit	N	\$ 1,500.00	\$ 525.00
3DB17010HEAB	Wavence 20 ICS02 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 350.00
3DB17020EEAA	Wavence 20 ICS03 Flash for MSS1	N	\$ 100.00	\$ 35.00
<b>SOFTWARE W20A</b>				
3DB17020DFAA	Wavence 20A uSD Card for CoreEvo-10G	N	\$ 100.00	\$ 35.00
3DB17021TFAA	Wavence 20A Secure uSD for CorEvo-10G	N	\$ 1,000.00	\$ 350.00
3DB17010GFAA	Wavence 20A SW CD Kit	N	\$ 1,000.00	\$ 350.00
3DB17010HFAA	Wavence 20A SW Electronic Delivery Kit	N	\$ 100.00	\$ 35.00
3DB17020EFAA	Wavence 20A Flash Card MSS1	N	\$ 100.00	\$ 35.00
<b>SOFTWARE W20A MP1</b>				
3DB17020DFAB	Wavence 20A MP1 uSD Card for CoreEvo-10G	N	\$ 100.00	\$ 35.00
3DB17021TFAB	Wavence 20A MP1 Secure uSD for CorEvo-10G	N	\$ 5,000.00	\$ 1,750.00
3DB17010HFAB	Wavence 20A MP1 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 350.00
<b>MISC RTU</b>				
3EM24226AA	Microwave Factory Test Certificate	N	\$ 1,500.00	\$ 525.00
3EM24226AF	Factory Configuration Certificate - Customer Witness Test	N	\$ 1,428.56	\$ 500.00
3EM23067AAAA	9500 MPR CT License (Per PC Installed) Optional for CorEvo	N	\$ 500.00	\$ 175.00
3EM24592AAAB	9500 MPR Software Subscription (Per Node)	N	\$ 500.00	\$ 175.00
3EM24745AAAA	9500 MPre OS License For MPT Only	N	\$ 1,500.00	\$ 525.00
3MU00147AAAA	MPT Spectrum Analyzer Tool RTU	N	\$ 3,000.00	\$ 1,050.00
3DB19531DBAA	Wavence Spectrum Analyzer Tool	N	\$ 4,560.00	\$ 1,596.00
<b>Secure Mode</b>				
3DB19414AA	MSS-8 Security Kit	N	\$ 350.00	\$ 122.50
3DB76333AA	MPT-HLC Security Kit	N	\$ 300.00	\$ 105.00
3DB19411AA	Tamper Resistant Label Kit	N	\$ 200.00	\$ 70.00
3EM24226AHAA	FIPS Configuration Certification - Must Have 20A Secure Mode	N	\$ 2,430.00	\$ 850.50
<b>Factory RTU's - per ODU or RF Transceiver - Table B1</b>				
3EM23068AAAA	RTU 40Mbps TRX Capacity	N	\$ 75.00	\$ 26.25

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3EM23068ABAA	RTU 80Mbps TRX Capacity	N	\$ 500.00	\$ 175.00
3EM23068ACAA	RTU 120Mbps TRX Capacity	N	\$ 2,000.00	\$ 700.00
3EM23068ADAA	RTU 160Mbps TRX Capacity	N	\$ 3,500.00	\$ 1,225.00
3EM23068AFAA	RTU 220Mbps TRX Capacity	N	\$ 4,250.00	\$ 1,487.50
3EM23068AEAA	RTU 320Mbps TRX Capacity	N	\$ 5,000.00	\$ 1,750.00
3EM23068AGAA	RTU 450Mbps TRX Capacity	N	\$ 6,500.00	\$ 2,275.00
3EM23068AHAA	RTU 500Mbps TRX Capacity	N	\$ 7,000.00	\$ 2,450.00
3EM23261AAAA	9500 MPR 5.8GHz Unlicensed RTU (MPT-HL only)	N	\$ 1,500.00	\$ 525.00
3EM23073AAAA	9500 MPR Adaptive Modulation RTU	N	\$ 1,500.00	\$ 525.00
3MU00086AAAA	9500 MPR MSP Ring RTU	N	\$ 1,500.00	\$ 525.00
3MU00092AAAA	9500 MPR Packet Throughput Booster RTU	N	\$ 4,000.00	\$ 1,400.00
3MU00122AAAA	9500 MPR XPIC RTU	N	\$ 1,200.00	\$ 420.00
3MU00121AAAA	9500 MPR AES RTU	N	\$ 5,000.00	\$ 1,750.00
3MU00148AAAA	1588 TC RTU	N	\$ 1,500.00	\$ 525.00
3MU00149AAAA	1588 BC RTU	N	\$ 2,000.00	\$ 700.00
3MU00154AAAA	9500 MPR RTU 10G Interface	N	\$ 2,500.00	\$ 875.00
3MU00155AAAA	9500 MPR RTU MSS-O L1 LAG	N	\$ 1,000.00	\$ 350.00
3MU00156AAAA	9500 MPR RTU 5+ L1 LAG	N	\$ 5,500.00	\$ 1,925.00
3MU00175AAAA	Bandwidth Notifications RTU	N	\$ 1,500.00	\$ 525.00
3MU00180DFAA	RTU MSS-HE 10G	N	\$ 2,500.00	\$ 875.00
<b>Upgrade (ASLM) RTU's - Table B2</b>				
3EM23577AAAA	RTU 40Mbps TRX Capacity Upgrade	N	\$ 80.00	\$ 28.00
3EM23577ABAA	RTU 80Mbps TRX Capacity Upgrade	N	\$ 500.00	\$ 175.00
3EM23577ACAA	RTU 120Mbps TRX Capacity Upgrade	N	\$ 2,000.00	\$ 700.00
3EM23577ADAA	RTU 160Mbps TRX Capacity Upgrade	N	\$ 3,500.00	\$ 1,225.00
3EM23577BBAA	RTU 220Mbps TRX Capacity Upgrade	N	\$ 4,250.00	\$ 1,487.50
3EM23577AEAA	RTU 320Mbps TRX Capacity Upgrade	N	\$ 5,000.00	\$ 1,750.00
3EM23577BCAA	RTU 450Mbps TRX Capacity Upgrade	N	\$ 6,500.00	\$ 2,275.00
3EM23577BTAA	RTU 500Mbps TRX Capacity Upgrade	N	\$ 7,000.00	\$ 2,450.00
3EM23577AFAA	9500 MPR Adaptive Modulation RTU Upgrade	N	\$ 1,500.00	\$ 525.00
3EM23577AGAA	9500 MPR 5.8GHz Unlicensed RTU Upgrade	N	\$ 1,500.00	\$ 525.00
3EM23577AUA	9500 MPR MSP Ring RTU Upgrade	N	\$ 1,500.00	\$ 525.00
3EM23577AVAA	9500 MPR Packet Throughput Booster RTU Upgrade	N	\$ 4,000.00	\$ 1,400.00
3EM23577AYAA	9500 MPR XPIC RTU Upgrade	N	\$ 1,200.00	\$ 420.00
3EM23577AZAA	9500 MPR AES RTU Upgrade	N	\$ 5,000.00	\$ 1,750.00
3EM23577BPAA	1588 TC Upgrade	N	\$ 1,500.00	\$ 525.00
3EM23577BQAA	1588 BC Upgrade	N	\$ 2,000.00	\$ 700.00
3EM23577BUAA	9500 MPR RTU 10G Interface Upgrade	N	\$ 2,500.00	\$ 875.00
3EM23577BVAA	9500 MPR RTU MSS-O L1 LAG Upgrade	N	\$ 1,000.00	\$ 350.00
3EM23577BWAA	9500 MPR RTU 5+ L1 LAG Upgrade	N	\$ 5,500.00	\$ 1,925.00
3EM23577DAAA	Bandwidth Notifications RTU Upgrade	N	\$ 1,500.00	\$ 525.00
3MU00177DFAA	RTU MSS-HE 10G	N	\$ 2,500.00	\$ 875.00
<b>ASLM Capacity Upgrades - Table B3</b>				
3EM23577AHAA	Capacity Upgrade MPR-TR-40T80	N	\$ 420.00	\$ 147.00
3EM23577AJAA	Capacity Upgrade MPR-TR-40T120	N	\$ 1,920.00	\$ 672.00
3EM23577AKAA	Capacity Upgrade MPR-TR-40T160	N	\$ 3,420.00	\$ 1,197.00
3EM23577ALAA	Capacity Upgrade MPR-TR-40T320	N	\$ 4,920.00	\$ 1,722.00
3EM23577AMAA	Capacity Upgrade MPR-TR-80T120	N	\$ 1,500.00	\$ 525.00
3EM23577ANAA	Capacity Upgrade MPR-TR-80T160	N	\$ 3,000.00	\$ 1,050.00
3EM23577APAA	Capacity Upgrade MPR-TR-80T320	N	\$ 4,500.00	\$ 1,575.00
3EM23577AQAA	Capacity Upgrade MPR-TR120T160	N	\$ 1,500.00	\$ 525.00
3EM23577ARAA	Capacity Upgrade MPR-TR120T320	N	\$ 3,000.00	\$ 1,050.00
3EM23577ASAA	Capacity Upgrade MPT-TR160T320	N	\$ 1,500.00	\$ 525.00
3EM23577BDAA	Capacity Upgrade MPR-TR-40T220	N	\$ 4,170.00	\$ 1,459.50
3EM23577BEAA	Capacity Upgrade MPR-TR-80T220	N	\$ 3,750.00	\$ 1,312.50
3EM23577BFAA	Capacity Upgrade MPR-TR-120T220	N	\$ 2,250.00	\$ 787.50
3EM23577BGAA	Capacity Upgrade MPR-TR-160T220	N	\$ 750.00	\$ 262.50
3EM23577BHAA	Capacity Upgrade MPR-TR-40T450	N	\$ 6,420.00	\$ 2,247.00
3EM23577BJAA	Capacity Upgrade MPR-TR-80T450	N	\$ 6,000.00	\$ 2,100.00
3EM23577BKAA	Capacity Upgrade MPR-TR-120T450	N	\$ 4,500.00	\$ 1,575.00
3EM23577BLAA	Capacity Upgrade MPR-TR-160T450	N	\$ 3,000.00	\$ 1,050.00
3EM23577BMAA	Capacity Upgrade MPR-TR-220T450	N	\$ 2,250.00	\$ 787.50
3EM23577BNAA	Capacity Upgrade MPR-TR-320T450	N	\$ 1,500.00	\$ 525.00
3EM23577BYAA	Capacity Upgrade MPR-TR-40T500	N	\$ 6,920.00	\$ 2,422.00
3EM23577BZAA	Capacity Upgrade MPR-TR-80T500	N	\$ 6,500.00	\$ 2,275.00
3EM23577CAAA	Capacity Upgrade MPR-TR-120T500	N	\$ 5,000.00	\$ 1,750.00
3EM23577CBAA	Capacity Upgrade MPR-TR-160T500	N	\$ 3,500.00	\$ 1,225.00
3EM23577CCAA	Capacity Upgrade MPR-TR-220T500	N	\$ 2,750.00	\$ 962.50

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3EM23577CDAA	Capacity Upgrade MPR-TR-320T500	N	\$ 2,000.00	\$ 700.00
3EM23577CEAA	Capacity Upgrade MPR-TR-450T500	N	\$ 500.00	\$ 175.00
<b>DOCUMENTATION (1 Per NE) - Table K3</b>				
3DB19275ABAA	9500 MPR 6.1 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275ACAA	9500 MPR 7.0 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275ADAA	9500 MPR 7.1 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275AEAA	9500 MPR 8.0 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275AFAA	Wavence 18 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275AGAA	Wavence 18A O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275AHAA	Wavence 19 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275AJAA	Wavence 19A O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275AKAA	Wavence 20 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
3DB19275ALAA	Wavence 20A O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 31.50
<b>Tributary Options OPTICS - Table A1</b>				
3EM20277AA	Optics SFP GigE 850 NM Multimode 550 Meter	Y	\$ 225.00	\$ 157.50
3EM20277AB	Optics SFP GigE 1310 NM Singlemode 10 Kilometer	Y	\$ 225.00	\$ 157.50
3CC50204AA	Optics SFP GigE 1310 NM Singlemode 40 Kilometer	Y	\$ 140.00	\$ 98.00
3CC50170AA	Optics SFP GigE 1550 NM Singlemode 80 Kilometer	Y	\$ 148.50	\$ 103.95
3EM23141AA	SFP Copper Cable, 0.5 M	N	\$ 200.00	\$ 140.00
3DB80628AD	SFP Copper Cable, 0.5 M	N	\$ 200.00	\$ 140.00
3EM23141AB	SFP Copper Cable, 1.0 M	N	\$ 210.00	\$ 147.00
3DB80628AE	SFP Copper Cable, 1.0 M	N	\$ 210.00	\$ 147.00
3DB80628AA	SFP Copper Cable, 1.5 M	N	\$ 215.00	\$ 150.50
3DB80628AB	SFP Copper Cable, 2.0 M	N	\$ 220.00	\$ 154.00
3EM23141AD	SFP Copper Cable, 3.0 M	N	\$ 225.00	\$ 157.50
3DB80628AC	SFP Copper Cable, 3.0 M	N	\$ 225.00	\$ 157.50
3CC50167AA	Optical SFP (850 MM) for use in ODU - MPT-HC	Y	\$ 70.00	\$ 49.00
3CC50168AA	Opt SFP 1000Base-LX for use in ODU - MPT-HC	Y	\$ 225.00	\$ 157.50
3CC50169AA	Copper SFP (Finisar) - not for use on ODU	Y	\$ 126.00	\$ 88.20
3CC50166AA	OC3 optical SFP, L.1.1	Y	\$ 100.00	\$ 70.00
3CC50165AA	OC3 optical SFP, S.1.1	Y	\$ 55.00	\$ 38.50
3CC50386AA	1000BASE-SX 2.5 Gbps	Y	\$ 225.00	\$ 157.50
3CC50387AA	SFP+ 10GBASE-SR	Y	\$ 638.00	\$ 446.60
3CC50388AA	SFP+ 10GBASE-LR	Y	\$ 1,450.00	\$ 1,015.00
3CC50322AA	SFP+ 10GBASE-ER	Y	\$ 2,250.00	\$ 1,575.00
3CC50183AA	SFP 1000Base-BX20-U	Y	\$ 232.00	\$ 162.40
3CC50184AA	SFP 1000Base-BX20-D	Y	\$ 232.00	\$ 162.40
3CC50198AB	SFP 1000Base-BX40-U	Y	\$ 292.00	\$ 204.40
3CC50199AB	SFP 1000Base-BX40-D	Y	\$ 292.00	\$ 204.40
3CC50200AA	SFP multi-rate CWDM 1490nm 40 km	Y	\$ 500.00	\$ 350.00
3CC50201AA	SFP multi-rate CWDM 1550nm 40 km	Y	\$ 500.00	\$ 350.00
3CC50201AB	SFP multi-rate CWDM 1510nm 40 km	Y	\$ 500.00	\$ 350.00
3CC50201AC	SFP multi-rate CWDM 1530nm 40 km	Y	\$ 500.00	\$ 350.00
3CC50201AD	SFP multi-rate CWDM 1570nm 40 km	Y	\$ 500.00	\$ 350.00
3CC50201AE	SFP multi-rate CWDM 1590nm 40 km	Y	\$ 500.00	\$ 350.00
3CC50201AF	SFP multi-rate CWDM 1610nm 40 km	Y	\$ 500.00	\$ 350.00
3CC50201AG	SFP multi-rate CWDM 1470nm 40 km	Y	\$ 500.00	\$ 350.00
<b>Tributary Options DS1 Cables/Supplies - Table A1</b>				
1AF15245AB	32 E1/T1 Protection Panel - RJ45	N	\$ 836.23	\$ 585.36
3MU00173AA	DS1 Protection Panel 68 SCSI to 37 D-Sub	N	\$ 744.05	\$ 520.84
3CC52118AA	E1/T1 SCSI-SCSI Interface Cable (16 T1/E1 per Cable)	N	\$ 133.07	\$ 93.15
3EM21339AA	16 DS1 Cable Stub (SCSI-Open) 25' Main Side	N	\$ 268.00	\$ 187.60
3EM21339AB	16 DS1 Cable Stub (SCSI-Open) 25' Spare Side	N	\$ 268.00	\$ 187.60
3EM21339AC	16 DS1 Cable Stub (SCSI-Open) 50' Main Side	N	\$ 482.00	\$ 337.40
3EM21339AD	16 DS1 Cable Stub (SCSI-Open) 50' Spare Side	N	\$ 482.00	\$ 337.40
3EM23110AA	8 DS1 Cable Assembly (D-Open) 15'	N	\$ 161.00	\$ 112.70
3EM23110AB	8 DS1 Cable Assembly (D-Open) 30'	N	\$ 257.60	\$ 180.32
3EM23110AC	8 DS1 Cable Assembly (D-Open) 50'	N	\$ 308.20	\$ 215.74
3EM23110AD	8 DS1 Cable Assembly (D-Open) 100'	N	\$ 690.00	\$ 483.00
3DB16109AA	D-Connector Rack Mount Bracket	N	\$ 47.73	\$ 33.41
<b>Tributary Options DS3 Cables/Supplies - Table A1</b>				
3EM22900AA	DS3 Protection Splitter Cable	N	\$ 172.50	\$ 120.75
3EM22687AA	DS3 BNC to Mini-BNC Cable - 2 Meter	N	\$ 57.50	\$ 40.25
3EM22687AB	DS3 BNC to Mini-BNC Cable - 5 Meter	N	\$ 125.35	\$ 87.75
3MU00190AA	DS3 DIN to BNC - 3 Meter	N	\$ 65.00	\$ 45.50
3EM24462AA	DS3 Grooming Panel Kit	N	\$ 86.25	\$ 60.38



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<b>Tributary Options Sync Cables - Table A1</b>				
3DB05850AA	9500 MPR Sync Cable	N	\$ 19.55	\$ 13.69
3DB18204AA	9500 MPR Sync Y-Cable	N	\$ 100.00	\$ 70.00
3DB04295AA	9500 MPR Sync Cable (1.0/2.3 - 1.0/2.3) 1.1m	N	\$ 46.00	\$ 32.20
3DB02901AA	9500 MPR Sync Cable (1.0/2.3 - 1.0/2.3) 6.0m	N	\$ 70.00	\$ 49.00
3CC52203AA	9500 MPR Sync Cable for Sync SFP	N	\$ 37.95	\$ 26.57
<b>Tributary Options Ethernet Cables/Supplies - Table A1</b>				
3MU00085AA	1 ft RJ45 Cat5e Cable	N	\$ 30.00	\$ 21.00
3MU00085AB	2 ft RJ45 Cat5e Cable	N	\$ 35.00	\$ 24.50
3MU00085AC	3 ft RJ45 Cat5e Cable	N	\$ 40.00	\$ 28.00
3MU00085AD	6 ft RJ45 Cat5e Cable	N	\$ 45.00	\$ 31.50
3MU00085AE	10 ft RJ45 Cat5e Cable	N	\$ 50.00	\$ 35.00
3MU00085AF	20 ft RJ45 Cat5e Cable	N	\$ 63.25	\$ 44.28
3MU00085AG	30 ft RJ45 Cat5e Cable	N	\$ 69.00	\$ 48.30
3MU00085AH	50 ft RJ45 Cat5e Cable	N	\$ 103.50	\$ 72.45
3MU00085AJ	70 ft RJ45 Cat5e Cable	N	\$ 138.00	\$ 96.60
3MU00085AK	100 ft RJ45 Cat5e Cable	N	\$ 172.50	\$ 120.75
3MU00085AL	200 ft RJ45 Cat5e Cable	N	\$ 287.50	\$ 201.25
3MU00085AM	300 ft RJ45 Cat5e Cable	N	\$ 402.50	\$ 281.75
<b>ODU Coax Supplies - Table E2</b>				
1AF02957ABAA	11 GHz FlexTwist	N	\$ 704.60	\$ 493.22
<b>Fiber Optic Jumpers - Table A1</b>				
3EM07641AC	Fiber Optic Jumper Cable, LC to LC, 3 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07641AD	Fiber Optic Jumper Cable, LC to LC, 5 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07641AE	Fiber Optic Jumper Cable, LC to LC, 10 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07646AC	Fiber Optic Jumper Cable, LC to SC, 3 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07646AD	Fiber Optic Jumper Cable, LC to SC, 5 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07646AE	Fiber Optic Jumper Cable, LC to SC, 10 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07651AC	Fiber Optic Jumper Cable, LC to FC, 3 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07651AD	Fiber Optic Jumper Cable, LC to FC, 5 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07651AE	Fiber Optic Jumper Cable, LC to FC, 10 meter, multi mode	N	\$ 200.00	\$ 140.00
3EM07641AH	Fiber Optic Jumper Cable, LC to LC, 3 meter, single mode	N	\$ 200.00	\$ 140.00
3EM07641AJ	Fiber Optic Jumper Cable, LC to LC, 5 meter, single mode	N	\$ 200.00	\$ 140.00
3EM07641AK	Fiber Optic Jumper Cable, LC to LC, 10 meter, single mode	N	\$ 200.00	\$ 140.00
3EM07646AH	Fiber Optic Jumper Cable, LC to SC, 3 meter, single mode	N	\$ 200.00	\$ 140.00
3EM07646AJ	Fiber Optic Jumper Cable, LC to SC, 5 meter, single mode	N	\$ 200.00	\$ 140.00
3EM07646AK	Fiber Optic Jumper Cable, LC to SC, 10 meter, single mode	N	\$ 200.00	\$ 140.00
3EM07651AH	Fiber Optic Jumper Cable, LC to FC, 3 meter, single mode	N	\$ 200.00	\$ 140.00
3EM07651AJ	Fiber Optic Jumper Cable, LC to FC, 5 meter, single mode	N	\$ 200.00	\$ 140.00
3EM07651AK	Fiber Optic Jumper Cable, LC to FC, 10 meter, single mode	N	\$ 200.00	\$ 140.00
<b>R56 Grounding</b>				
1AD174570001	SBHB119K Horizontal Rack Ground Bar Kit	N	\$ 256.54	\$ 179.58
1AD214220001	Universal grd bar kit SB57903/19" rack	N	\$ 250.79	\$ 175.55
406645671	#6 Ground cable-KS22641L1, Per FT	N	\$ 1.95	\$ 1.37
408406536	KIT-YA6C-L BOX PWR COMMO*	N	\$ 1.89	\$ 1.32
901350322	SCR M-.25 IN 20 TPI 1 IN*	N	\$ 0.33	\$ 0.23
407305549	WSHR LK-92147A029 SPLT 1*	N	\$ 0.15	\$ 0.11
900327453	FLAT WASHER, STAINLESS STEEL, 1/4 INCH	N	\$ 0.65	\$ 0.46
900329830	NUT-300 HEX SST .250-20	N	\$ 0.22	\$ 0.15
<b>Accessories</b>				
3EM16790RA	VoIP OrderWire,-48Vdc	N	\$ 6,391.70	\$ 4,474.19
<b>MPT-HL Shelf Kit - Table F</b>				
3EM24238AA	MPT-HL Shelf Kit Single T-R	N	\$ 2,200.00	\$ 770.00
3EM24238AB	MPT-HL Shelf Kit Dual T-R	N	\$ 2,300.00	\$ 805.00
<b>MPT-HLC MODULES - Table F1</b>				
3DB19060AA	MPT-HLC XCVR L6 GHZ	Y	\$ 12,000.00	\$ 4,200.00
3DB19060BA	MPT-HLC XCVR L6 GHZ WITH COMBINER	Y	\$ 15,000.00	\$ 5,250.00
3DB19060CA	MPT-HLC XCVR L6 GHZ HP	Y	\$ 16,500.00	\$ 5,775.00
3DB19060DA	MPT-HLC XCVR L6 GHZ HP WITH COMBINER	Y	\$ 19,500.00	\$ 6,825.00
3DB19060EA	MPT-HLC Plus XCVR L6	Y	\$ 21,000.00	\$ 7,350.00
3DB19060FA	MPT-HLC Plus XCVR L6 WITH COMBINER	Y	\$ 24,000.00	\$ 8,400.00
3DB19060GA	MPT-HLC Plus Std XCVR L6	Y	\$ 21,000.00	\$ 7,350.00

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3DB19060HA	MPT-HLC Plus Std XCVR L6 WITH COMBINER	Y	\$ 24,000.00	\$ 8,400.00
3DB76047AA	MPT-HLC XCVR U6 GHZ	Y	\$ 12,000.00	\$ 4,200.00
3DB76047BA	MPT-HLC XCVR U6 GHZ WITH COMBINER	Y	\$ 15,000.00	\$ 5,250.00
3DB76047CA	MPT-HLC XCVR U6 GHZ HP	Y	\$ 16,500.00	\$ 5,775.00
3DB76047DA	MPT-HLC XCVR U6 GHZ HP WITH COMBINER	Y	\$ 19,500.00	\$ 6,825.00
3DB76047EA	MPT-HLC Plus XCVR U6	Y	\$ 21,000.00	\$ 7,350.00
3DB76047FA	MPT-HLC Plus XCVR U6 WITH COMBINER	Y	\$ 24,000.00	\$ 8,400.00
3DB76047GA	MPT-HLC Plus Std XCVR U6	Y	\$ 21,000.00	\$ 7,350.00
3DB76047HA	MPT-HLC Plus Std XCVR U6 WITH COMBINER	Y	\$ 24,000.00	\$ 8,400.00
3DB76078AA	MPT-HLC XCVR 10.5 GHZ	Y	\$ 13,000.00	\$ 4,550.00
3DB76078BA	MPT-HLC XCVR 10.5 GHZ WITH COMBINER	Y	\$ 16,000.00	\$ 5,600.00
3DB76050AA	MPT-HLC XCVR 11 GHZ	Y	\$ 13,000.00	\$ 4,550.00
3DB76050BA	MPT-HLC XCVR 11 GHZ WITH COMBINER	Y	\$ 16,000.00	\$ 5,600.00
3DB76050CB	MPT-HLC XCVR 11 GHZ HP	Y	\$ 17,500.00	\$ 6,125.00
3DB76050DB	MPT-HLC XCVR 11 GHZ HP W/COMBINER	Y	\$ 20,500.00	\$ 7,175.00
3DB76050GA	MPT-HLC Plus XCVR 11GHz	Y	\$ 22,000.00	\$ 7,700.00
3DB76050HA	MPT-HLC Plus XCVR 11GHz WITH COMBINER	Y	\$ 15,000.00	\$ 5,250.00
3CC50210AA	MPT-HLC Antenna Alignment Cable	N	\$ 55.00	\$ 19.25
<b>MPT-HLC XPIC Cables</b>				
3CC52204AA	XPIC cable RJ45-RJ45, 3 m	N	\$ 150.00	\$ 105.00
3CC52204AB	XPIC cable RJ45-RJ45, 5 m	N	\$ 220.00	\$ 154.00
3CC52204AC	XPIC cable RJ45-RJ45, 10 m	N	\$ 300.00	\$ 210.00
3CC52204AD	XPIC cable RJ45-RJ45, 0.5 m	N	\$ 75.00	\$ 52.50
3CC52204AE	XPIC cable RJ45-RJ45, 1 m	N	\$ 100.00	\$ 70.00
<b>MPT-HL Transmit Monitor Port Kit</b>				
3EM24447AA	6 GHz Transmit Monitor Port Kit	Y	\$ 2,300.00	\$ 1,610.00
3EM24447AB	11 GHz Transmit Monitor Port Kit	Y	\$ 2,875.00	\$ 2,012.50
<b>Diplexer Bracket Kits - Table F2</b>				
3EM23465AA	6/11 GHz Hot Standby 1:10 Coupler Diplexer Bracket	N	\$ 1,229.00	\$ 430.15
3EM23465AB	6/11 GHz Hot Standby Space Diversity Diplexer Bracket	N	\$ 1,250.00	\$ 437.50
3EM23465AC	6/11 GHz 1+0 (Non-Standby) Diplexer Bracket	N	\$ 301.00	\$ 105.35
3EM23465AD	6/11 GHz Single Shelf Repeater Diplexer Bracket	N	\$ 451.00	\$ 157.85
3EM23465AE	1+1 HSB, SD w/ Combiner	N	\$ 1,425.00	\$ 498.75
3EM23465AF	2x(1+0), SD w/ Combiner	N	\$ 825.00	\$ 288.75
3EM23465AG	1+0, SD w/ Combiner	N	\$ 400.00	\$ 140.00
3EM23465AH	Expansion to 2x(1+0), SD w/ Combiner	N	\$ 345.00	\$ 120.75
3EM23465AJ	Hot-Standby w/ Antenna Protection	N	\$ 2,950.00	\$ 1,032.50
3MU00117AA	UU6 GHz, HSB, 1:10 Coupler Diplexer Bracket Kit	N	\$ 6,268.00	\$ 2,193.80
3MU00117AB	UU6 GHz, 1+0 (Non-Stby) Diplexer Bracket Kit	N	\$ 5,031.00	\$ 1,760.85
3MU00117AC	UU6 GHz, HSB, HSB w/ SD Diplexer Bracket Kit	N	\$ 8,953.00	\$ 3,133.55
3MU00117AD	UU6 GHz, HSB, Single Shelf Repeater Diplexer Bracket Kit	N	\$ 9,585.00	\$ 3,354.75
3DB76236AA	BRANCHING COMPACT 4GHZ 1+1 HSB1:10 COUP	N	\$ 3,680.00	\$ 1,288.00
3DB76237AA	BRANCHING COMP. 4GHZ 1+1 HSB SD RPS	N	\$ 4,340.00	\$ 1,519.00
3DB76232AA	BRANCHING COMPACT 4GHZ 1 0	N	\$ 2,070.00	\$ 724.50
3DB76234AA	BRANCHING COMPACT 4GHZ 2x (1+0)	N	\$ 4,198.00	\$ 1,469.30
3DB76238AA	BRANCHING COMP. 4GHZ1X(1+1 HSB SD COMBI	N	\$ 6,411.00	\$ 2,243.85
3DB76235AA	BRANCHING COMPACT 4GHZ 2x (1+0) SD	N	\$ 6,728.00	\$ 2,354.80
3DB76233AA	BRANCHING COMPACT 4GHZ 1+0 SD	N	\$ 3,364.00	\$ 1,177.40
<b>Diplexer Clamp and Isolator Kits -Lower 6Ghz - Table F3</b>				
3EM23466AA	L6 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 629.00	\$ 220.15
3EM23466AB	L6 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 575.00	\$ 201.25
3EM23466AC	L6 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 304.00	\$ 106.40
3EM23466AD	L6 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 731.40	\$ 255.99
3EM23466AN	L6 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,180.00	\$ 413.00
3EM23466AP	L6 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,317.00	\$ 460.95
3EM23466AQ	L6 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 615.00	\$ 215.25
3EM23466AR	L6 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 662.00	\$ 231.70
3EM23466BB	L6 GHz Diplexer Clamp Kit Antenna Protection	N	\$ 937.00	\$ 327.95
<b>Dplxr Clamp, Isoltr &amp; Cable Kits -L6Ghz 60 MHz Channels - Table F3</b>				
3DB76116AA	L6 GHz, 60 MHz Hot Standby 1:10 Coupler	N	\$ 2,300.00	\$ 805.00
3DB76119AA	L6 GHz, 60 MHz Hot Standby Space Diversity	N	\$ 1,650.00	\$ 577.50
3DB76117AA	L6 GHz, 60 MHz 1+0 (Non-Standby)	N	\$ 750.00	\$ 262.50
3DB76120AA	L6 GHz, 60 MHz Single Shelf Repeater	N	\$ 1,125.00	\$ 393.75
3DB76115AA	L6 GHz, 60 MHz 1+1 HSB, SD w/ Combiner	N	\$ 7,500.00	\$ 2,625.00
3DB76121AA	L6 GHz, 60 MHz 2x(1+0), SD w/ Combiner	N	\$ 1,225.00	\$ 428.75



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3DB76118AA	L6 GHz, 60 MHz 1+0, SD w/ Combiner	N	\$ 750.00	\$ 262.50
3DB76195AA	Diplexer Kit 60 Mhz L6 w/ ant prot	N	\$ 3,515.00	\$ 1,230.25
<b>Diplexer Clamp and Isolator Kits -Upper 6Ghz - Table F3</b>				
3EM23466AE	U6 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 650.00	\$ 227.50
3EM23466AF	U6 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 590.00	\$ 206.50
3EM23466AG	U6 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 315.00	\$ 110.25
3EM23466AH	U6 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 751.00	\$ 262.85
3EM23466AS	U6 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 5,320.00	\$ 1,862.00
3EM23466AT	U6 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,535.00	\$ 537.25
3EM23466AU	U6 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 776.00	\$ 271.60
3EM23466AV	U6 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 765.00	\$ 267.75
3EM23466BC	U6 GHz Diplexer Clamp Kit Antenna Protection	N	\$ 1,325.00	\$ 463.75
<b>Diplexer Clamp and Isolator Kits -Upper 5.8Ghz - Table F3</b>				
3EM23466AJ	5.8 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 1,559.00	\$ 545.65
3EM23466AK	5.8 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 558.00	\$ 195.30
3EM23466AL	5.8 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 291.00	\$ 101.85
3EM23466AM	5.8 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 585.00	\$ 204.75
3EM23466AW	5.8 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 4,456.00	\$ 1,559.60
3EM23466AY	5.8 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 905.00	\$ 316.75
3EM23466AZ	5.8 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 426.00	\$ 149.10
3EM23466BA	5.8 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 455.00	\$ 159.25
<b>Diplexer Clamp and Isolator Kits - 10.5 Ghz - Table F3</b>				
3EM24188CA	10.5 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 635.00	\$ 222.25
3EM24188CB	10.5 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 650.00	\$ 227.50
3EM24188CC	10.5 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 345.00	\$ 120.75
3EM24188CD	10.5 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 826.00	\$ 289.10
3EM24188CE	10.5 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 2,295.00	\$ 803.25
3EM24188CF	10.5 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,590.00	\$ 556.50
3EM24188CG	10.5 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 696.00	\$ 243.60
3EM24188CH	10.5 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 748.00	\$ 261.80
3EM24188CJ	10.5 GHz Diplexer Clamp Kit Antenna Prot9500 MPR	N	\$ 1,215.00	\$ 425.25
<b>Diplexer Clamp and Isolator Kits - 11 Ghz - Table F3</b>				
3EM24188BA	11 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 713.00	\$ 249.55
3EM24188BB	11 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 650.00	\$ 227.50
3EM24188BC	11 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 345.00	\$ 120.75
3EM24188BD	11 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 826.00	\$ 289.10
3EM24188BE	11 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,400.00	\$ 490.00
3EM24188BF	11 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,295.00	\$ 453.25
3EM24188BG	11 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 605.00	\$ 211.75
3EM24188BH	11 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 650.00	\$ 227.50
3EM24188BJ	11 GHz Diplexer Clamp Kit Antenna Prot9500 MPR	N	\$ 955.00	\$ 334.25
<b>RF Diplexer Filters - Table G</b>				
3EM24458AA	RF Diplexer Filter Xmt 5725-5755, Rev 5790-5820, 30MHz	N	\$ 1,000.00	\$ 350.00
3EM24458AB	RF Diplexer Filter Xmt 5755-5785, Rev 5820-5850, 30MHz	N	\$ 1,000.00	\$ 350.00
3EM24458AC	RF Diplexer Filter Xmt 5725-5755, Rev 5820-5850, 30MHz	N	\$ 1,150.00	\$ 402.50
3EM16710AB	RF Diplexer Filter Xmt 5925-6175, Rev 6175-6425, 10 MHz BW	N	\$ 1,725.00	\$ 603.75
3EM16710AC	RF Diplexer Filter Xmt 6175-6425, Rev 5925-6175, 10 MHz BW	N	\$ 1,725.00	\$ 603.75
3EM24335AA	RF Diplexer Filter 5925-6425, 30MHz, Symmetrical	N	\$ 1,500.00	\$ 525.00
3DB76188AA	RF Diplexer Filter Xmt 5925-6175, Rev 6175-6425, 60 MHz BW	N	\$ 2,000.00	\$ 700.00
3DB76189AA	RF Diplexer Filter Xmt 6175-6425, Rev 5925-6175, 60 MHz BW	N	\$ 2,000.00	\$ 700.00
3EM09730AA	RF Diplexer Filter Xmt 6525-6875, Rev 6525-6875, 10 MHz BW	N	\$ 920.00	\$ 322.00
3EM24333AA	RF Diplexer Filter Xmt 6525-6875, 30MHz, Symmetrical	N	\$ 1,500.00	\$ 525.00
967-1585-002	RF Diplexer Filter Xmt 6440-6750, Rev 6440-6750, 10 MHz BW	N	\$ 1,725.00	\$ 603.75
967-1585-003	RF Diplexer Filter Xmt 6440-6750, Rev 6750-7080, 10 MHz BW	N	\$ 1,380.00	\$ 483.00
967-1585-004	RF Diplexer Filter Xmt 6750-7080, Rev 6440-6750, 10 MHz BW	N	\$ 1,380.00	\$ 483.00
967-1585-005	RF Diplexer Filter Xmt 6750-7080, Rev 6750-7080, 10 MHz BW	N	\$ 1,380.00	\$ 483.00
3EM04024AC	RF Diplexer Filter Xmt 6440-6580, Rev 6740-6920, 30MHz	N	\$ 1,500.00	\$ 525.00
3EM04024AD	RF Diplexer Filter Xmt 6581-6740, Rev 6921-7080, 30MHz	N	\$ 850.00	\$ 297.50
3EM04024AE	RF Diplexer Filter Xmt 6740-6920, Rev 6440-6580, 30MHz	N	\$ 1,500.00	\$ 525.00
3EM04024AF	RF Diplexer Filter Xmt 6921-7080, Rev 6581-6740, 30MHz	N	\$ 850.00	\$ 297.50
3EM24078AA	RF Diplexer Filter 10550-10680, 10 MHz BW, Symmetrical	N	\$ 1,500.00	\$ 525.00
3EM24081AA	RF Diplexer Filter 10700-11700, 30 MHz, Symmetrical	N	\$ 1,500.00	\$ 525.00
<b>RF Space Filters - Table G1</b>				
3EM11649AA	RF Diplexer Space Diversity Filter 5725-5755/30MHz	N	\$ 1,725.00	\$ 603.75

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3EM11649AB	RF Diplexer Space Diversity Filter 5755-5785/30MHz	N	\$ 1,725.00	\$ 603.75
3EM11649AC	RF Diplexer Space Diversity Filter 5790-5820/30MHz	N	\$ 1,725.00	\$ 603.75
3EM11649AD	RF Diplexer Space Diversity Filter 5820-5850/30MHz	N	\$ 1,725.00	\$ 603.75
967-0506-002	RF Diplexer Space Diversity Filter 5925-6175 /10MHz BW	N	\$ 1,725.00	\$ 603.75
967-0506-003	RF Diplexer Space Diversity Filter 6175-6425 /10MHz BW	N	\$ 1,725.00	\$ 603.75
3EM04182AA	RF Diplexer Space Diversity Filter 5925-6050/30MHz	N	\$ 1,500.00	\$ 525.00
3EM04182AB	RF Diplexer Space Diversity Filter 6050-6175/30MHz	N	\$ 1,500.00	\$ 525.00
3EM04182AC	RF Diplexer Space Diversity Filter 6175-6300/30MHz	N	\$ 1,500.00	\$ 525.00
3EM04182AD	RF Diplexer Space Diversity Filter 6300-6425/30MHz	N	\$ 1,500.00	\$ 525.00
3DB76190AA	RF Diplexer Space Diversity Filter 5925-6175 /60MHz BW	N	\$ 835.00	\$ 292.25
3DB76191AA	RF Diplexer Space Diversity Filter 6175-6425 /60MHz BW	N	\$ 835.00	\$ 292.25
3EM19463AA	RF Diplexer Space Diversity Filter 6525-6875 / 10MHz BW	N	\$ 835.00	\$ 292.25
3EM04235AA	RF Diplexer Space Diversity Filter 6525-6710/30MHz	N	\$ 1,500.00	\$ 525.00
3EM04235AB	RF Diplexer Space Diversity Filter 6710-6875/30MHz	N	\$ 1,500.00	\$ 525.00
967-0506-004	RF Diplexer Space Diversity Filter 6440-6750/10MHz	N	\$ 1,750.00	\$ 612.50
967-0506-005	RF Diplexer Space Diversity Filter 67500-7080/10MHz	N	\$ 1,500.00	\$ 525.00
3EM04235AC	RF Diplexer Space Diversity Filter 6440-6580/30MHz	N	\$ 1,150.00	\$ 402.50
3EM04235AD	RF Diplexer Space Diversity Filter 6580-6740/30MHz	N	\$ 1,000.00	\$ 350.00
3EM04235AE	RF Diplexer Space Diversity Filter 6740-6920/30MHz	N	\$ 1,150.00	\$ 402.50
3EM04235AF	RF Diplexer Space Diversity Filter 6920-7080/30MHz	N	\$ 1,150.00	\$ 402.50
3EM24614AA	RF Diplexer Space Diversity Filter 10550-10680 / 10 MHz	N	\$ 1,400.00	\$ 490.00
3EM24310AA	RF Diplexer Space Diversity Filter 10700-11200 / 30 MHz	N	\$ 1,010.00	\$ 353.50
3EM24310AB	RF Diplexer Space Diversity Filter 11200-11700 / 30 MHz	N	\$ 1,010.00	\$ 353.50
<b>Waveguide Transition Kits - Table G2</b>				
3EM23511AA	Diplexer Transition Assy A2 (6Ghz) Position Kit	N	\$ 575.00	\$ 201.25
3EM23511AB	Diplexer Transition Assy A3 (6Ghz) Position Kit	N	\$ 345.00	\$ 120.75
3EM23511AC	Diplexer Transition Assy A4 (6Ghz) Position Kit	N	\$ 765.00	\$ 267.75
3EM23511AD	Diplexer Transition Assy A5 (6Ghz) Position Kit	N	\$ 625.00	\$ 218.75
3EM23511AE	Flat Bracket Kit	N	\$ 116.00	\$ 40.60
3EM23511AF	Diplexer Transition Assy A2 (11 Ghz) Position Kit	N	\$ 633.00	\$ 221.55
3EM23511AG	Diplexer Transition Assy A3 (11 Ghz) Position Kit	N	\$ 405.00	\$ 141.75
3EM23511AH	Diplexer Transition Assy A4 (11 Ghz) Position Kit	N	\$ 835.00	\$ 292.25
3EM23511AJ	Diplexer Transition Assy A5 (11 Ghz) Position Kit	N	\$ 690.00	\$ 241.50
3EM23511AP	6 GHz Trans Kit A3'Transition Kit A3'	N	\$ 985.00	\$ 344.75
3EM23511AQ	6 GHz Trans Kit A3' FDTransition Kit A3' FD	N	\$ 905.00	\$ 316.75
3EM23511AR	6 GHz Trans Kit A4'Transition Kit A4'	N	\$ 985.00	\$ 344.75
3EM23511AS	6 GHz Trans Kit A4' FDTransition Kit A4' FD	N	\$ 905.00	\$ 316.75
3EM23511AT	11 GHz Trans Kit A3'Transition Kit A3'	N	\$ 1,030.00	\$ 360.50
3EM23511AU	11 GHz Trans Kit A3' FDTransition Kit A3' FD	N	\$ 940.00	\$ 329.00
3EM23511AV	11 GHz Trans Kit A4'Transition Kit A4'	N	\$ 980.00	\$ 343.00
3EM23511AW	11 GHz Trans Kit A4' FDTransition Kit A4' FD	N	\$ 825.00	\$ 288.75
3EM23511BC	6 GHz Ext Kit Top - A8	N	\$ 625.00	\$ 218.75
3EM23511BD	11 GHz Ext Kit Top - A8	N	\$ 1,225.00	\$ 428.75
<b>Waveguide Transition Kits - Table G3 (note 1007)</b>				
1AB077940016	Diplexer to Transition Cable Assy 228.6mm	N	\$ 50.00	\$ 17.50
1AB077940017	Diplexer to Transition Cable Assy 304.8mm	N	\$ 55.00	\$ 19.25
1AB077940018	Diplexer to Transition Cable Assy 381mm	N	\$ 75.00	\$ 26.25
<b>Stacking Filter Waveguide Kits - Lower 6 Ghz - Table H</b>				
3EM24123DA	Stacking Filter L6 GHz Hot Standby W/G Kit 1st MPT	N	\$ 2,372.00	\$ 830.20
3EM24123DB	Stacking Filter L6 GHz Hot Standby W/G Kit 1st & 2nd MPT	N	\$ 3,124.00	\$ 1,093.40
3EM24123DC	Stacking Filter L6 GHz Hot Stby W/G Kit 3rd MPT	N	\$ 2,369.00	\$ 829.15
3EM24123DD	Stacking Filter L6 GHz Hot Stby W/G Kit 3rd & 4th MPT	N	\$ 3,084.00	\$ 1,079.40
3EM24123DE	Stacking Filter L6 GHz Hot Stby W/G Kit Add-On 3rd MPT	N	\$ 1,575.00	\$ 551.25
3EM24123DF	Stacking Filter L6 GHz Hot Stby W/G Kit Add-On 3rd & 4th MPT	N	\$ 1,725.00	\$ 603.75
3EM24123DG	Stacking Filter L6 GHz Hot Stby W/G Kit Add-On 2nd or 4th MPT	N	\$ 725.00	\$ 253.75
<b>Stacking Filter Waveguide Kits - Upper 6 Ghz - Table H</b>				
3EM24123EA	Stacking Filter U6 GHz Hot Standby W/G Kit 1st MPT	N	\$ 2,372.00	\$ 830.20
3EM24123EB	Stacking Filter U6 GHz Hot Standby W/G Kit 1st & 2nd MPT	N	\$ 3,124.00	\$ 1,093.40
3EM24123EC	Stacking Filter U6 GHz Hot Stby W/G Kit 3rd MPT	N	\$ 2,369.00	\$ 829.15
3EM24123ED	Stacking Filter U6 GHz Hot Stby W/G Kit 3rd & 4th MPT	N	\$ 3,084.00	\$ 1,079.40
3EM24123EE	Stacking Filter U6 GHz Hot Stby W/G Kit Add-On 3rd MPT	N	\$ 1,600.00	\$ 560.00
3EM24123EF	Stacking Filter U6 GHz Hot Stby W/G Kit Add-On 3rd & 4th MPT	N	\$ 1,800.00	\$ 630.00
3EM24123EG	Stacking Filter U6 GHz Hot Stby W/G Kit Add-On 2nd or 4th MPT	N	\$ 725.00	\$ 253.75
<b>Stacking Filter Waveguide Kits - 6 Ghz - Table H</b>				
3EM24123AE	Stacking Filter 6 GHz Add-on Space Kit 1st MPT (HSB)	N	\$ 2,045.00	\$ 715.75

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3EM24123AF	Stacking Filter 6 GHz Add-on Space Kit 1st & 2nd MPT (HSB)	N	\$ 2,540.00	\$ 889.00
3EM24123BF	Stacking Filter 6 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 1,450.00	\$ 507.50
3EM24123BG	Stacking Filter 6 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 1,550.00	\$ 542.50
3EM24123AG	Stacking Filter 6 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 2,257.00	\$ 789.95
3EM24123AH	Stacking Filter 6 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 2,597.00	\$ 908.95
3EM24123BR	Stacking Filter 6 GHz Add-on Space Kit 2nd or 4th MPT (HSB)	N	\$ 600.00	\$ 210.00
3EM24123AJ	Stacking Filter Initial Bracket Kit	N	\$ 145.00	\$ 50.75
3EM24123AK	Stacking Filter Flat Bracket Kit	N	\$ 75.00	\$ 26.25
3EM24123AW	Stacking Filter Stacker Bracket Kit	N	\$ 165.00	\$ 57.75
3EM24123AL	Stacking Filter Add-on Xmt & Rcv Circulators	N	\$ 963.00	\$ 337.05
3EM24123AY	Stacking Filter 6 GHz Freq Div W/G Kit 1st MPT 1x(1+0)	N	\$ 7,025.00	\$ 2,458.75
3EM24123AM	Stacking Filter 6 GHz Freq Div W/G Kit 1st MPT 2x(1+0)	N	\$ 5,470.00	\$ 1,914.50
3EM24123AZ	Stacking Filter 6 GHz Freq Div W/G Kit 1st & 2nd MPT 3x(1+0)	N	\$ 7,750.00	\$ 2,712.50
3EM24123AN	Stacking Filter 6 GHz Freq Div W/G Kit 1st & 2nd MPT 4x(1+0)	N	\$ 6,354.00	\$ 2,223.90
3EM24123BA	Stacking Filter 6 GHz Freq Div W/G Kit 3rd MPT 2nd dir 1x(1+0)	N	\$ 7,250.00	\$ 2,537.50
3EM24123AP	Stacking Filter 6 GHz Freq Div W/G Kit 3rd MPT 2nd dir 2x(1+0)	N	\$ 5,723.00	\$ 2,003.05
3EM24123BB	Stacking Filter 6 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 3x(1+0)	N	\$ 7,975.00	\$ 2,791.25
3EM24123AQ	Stacking Filter 6 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 4x(1+0)	N	\$ 6,947.00	\$ 2,431.45
3EM24123BV	Stacking Filter 6 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 2x(1+0)	N	\$ 4,875.00	\$ 1,706.25
3EM24123BU	Stacking Filter 6 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 1x(1+0)	N	\$ 4,700.00	\$ 1,645.00
3EM24123BC	Stekg Fltr 6 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 3x(1+0)	N	\$ 1,650.00	\$ 577.50
3EM24123BD	Stekg Fltr 6 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 4x(1+0)	N	\$ 1,625.00	\$ 568.75
3EM24123BE	Stacking Filter 6 GHz Freq Div W/G Kit Add-On Kit Grow 2nd or 4th MPT	N	\$ 825.00	\$ 288.75
3EM24123BH	1st MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,950.00	\$ 1,032.50
3EM24123BJ	1st MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,900.00	\$ 1,015.00
3EM24123BK	1st & 2nd MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 2,850.00	\$ 997.50
3EM24123BL	1st & 2nd MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 2,825.00	\$ 988.75
3EM24123BM	3rd MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,350.00	\$ 822.50
3EM24123BN	3rd MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,325.00	\$ 813.75
3EM24123BP	3rd & 4th MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 2,750.00	\$ 962.50
3EM24123BQ	3rd & 4th MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 2,725.00	\$ 953.75
3EM24123BS	Field Add-On 2nd MPT to 1x(1+0) Kit or 4th MPT to 3x(1+0) (SD FD)	N	\$ 425.00	\$ 148.75
3EM24123BT	Field Add-On 3rd MPT to 2x(1+0) Kit (SD FD)	N	\$ 875.00	\$ 306.25
<b>Waveguide Extension Kits - Table L</b>				
3EM24123AR	6 GHz W/G Extension Kit Xmt/Rcv A8-A11	N	\$ 2,250.00	\$ 787.50
3EM24123AS	6 GHz W/G Extension Kit Space Div A8-A11 (MPT-HL)	N	\$ 2,128.00	\$ 744.80
3EM24123AV	6 GHz W/G Extension Kit Space Div A8-A11 (MPT-HLC)	N	\$ 2,885.00	\$ 1,009.75
3EM24123AU	6 GHz W/G Extension A8 to Top (Xmt/Rcv or Space Div)	N	\$ 1,050.00	\$ 367.50
3EM24123AT	6 GHz W/G Extension A3 to A8, A5 to A10 (Xmt/Rcv or Space Div)	N	\$ 600.00	\$ 210.00
3EM17592AA	Bracket, WG Support (1 hole)	N	\$ 50.00	\$ 17.50
3EM17592AB	Bracket, WG Support (2 hole)	N	\$ 65.00	\$ 22.75
3EM23867AC	Bracket, WG Support (2 hole)	N	\$ 127.00	\$ 44.45
<b>Stacking Filter Waveguide Kits- 11 Ghz - Table H</b>				
3EM24166EA	Stacking Filter WG Initial Comb Assy 11 GHz 1st MPT HSB	N	\$ 2,609.00	\$ 913.15
3EM24166EB	Stacking Filter WG Initial Comb Assy 11 GHz 1st & 2nd MPT HSB	N	\$ 3,436.00	\$ 1,202.60
3EM24166EC	Stacking Filter WG Add-on Assy 11 GHz 3rd MPT HSB	N	\$ 2,605.00	\$ 911.75
3EM24166ED	Stacking Filter WG Add-on Assy 11 GHz 3rd & 4th MPT HSB	N	\$ 3,392.00	\$ 1,187.20
3EM24166EE	Stacking Filter 11 GHz Hot Stby W/G Kit Add-On 3rd MPT	N	\$ 2,290.00	\$ 801.50
3EM24166EF	Stacking Filter 11 GHz Hot Stby W/G Kit Add-On 3rd & 4th MPT	N	\$ 2,915.00	\$ 1,020.25
3EM24166EG	Stacking Filter 11 GHz Hot Stby W/G Kit Add-On 2nd or 4th MPT	N	\$ 875.00	\$ 306.25
3EM24166FE	Stacking Filter WG Add SD Assy 11 GHz 1st MPT (HSB)	N	\$ 2,249.00	\$ 787.15
3EM24166FF	Stacking Filter WG Add SD Assy 11 GHz 1st & 2nd MPT (HSB)	N	\$ 2,794.00	\$ 977.90
3EM24166GF	Stacking Filter 11 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 1,395.00	\$ 488.25
3EM24166GG	Stacking Filter 11 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 1,995.00	\$ 698.25
3EM24166FG	Stacking Filter WG Add SD Assy 11 GHz 3rd MPT (HSB)	N	\$ 2,482.00	\$ 868.70
3EM24166FH	Stacking Filter WG Add SD Assy 11 GHz 3rd & 4th MPT (HSB)	N	\$ 2,856.00	\$ 999.60
3EM24166GR	Stacking Filter 11 GHz Add-on Space Kit 2nd or 4th MPT (HSB)	N	\$ 950.00	\$ 332.50
3EM24166AJ	Stacking Filter Initial Bracket Kit	N	\$ 159.00	\$ 55.65
3EM24123AK	Stacking Filter Flat Bracket Kit	N	\$ 75.00	\$ 26.25
3EM24123AW	Stacking Filter Stacker Bracket Kit	N	\$ 165.00	\$ 57.75
3EM24166AK	Stacking Filter Add-on XMT & RCV Circulators	N	\$ 1,059.00	\$ 370.65
3EM24166FY	Stacking Filter 11 GHz Freq Div W/G Kit 1st MPT 1x(1+0)	N	\$ 5,450.00	\$ 1,907.50
3EM24166FL	Stacking Filter 11 GHz Freq Div W/G Kit 1st MPT 2x(1+0)	N	\$ 6,017.00	\$ 2,105.95
3EM24166FZ	Stacking Filter 11 GHz Freq Div W/G Kit 1st & 2nd MPT 3x(1+0)	N	\$ 7,250.00	\$ 2,537.50
3EM24166FM	Stacking Filter 11 GHz Freq Div W/G Kit 1st & 2nd MPT 4x(1+0)	N	\$ 6,989.00	\$ 2,446.15
3EM24166GA	Stacking Filter 11 GHz Freq Div W/G Kit 3rd MPT 2nd dir 1x(1+0)	N	\$ 6,150.00	\$ 2,152.50
3EM24166FN	Stacking Filter 11 GHz Freq Div W/G Kit 3rd MPT 2x(1+0)	N	\$ 6,295.00	\$ 2,203.25
3EM24166GB	Stacking Filter 11 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 3x(1+0)	N	\$ 7,850.00	\$ 2,747.50

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3EM24166FP	Stacking Filter 11 GHz Freq Div W/G Kit 3rd & 4th MPT 4x(1+0)	N	\$ 7,641.00	\$ 2,674.35
3EM24166GV	Stacking Filter 11 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 2x(1+0)	N	\$ 5,500.00	\$ 1,925.00
3EM24166GU	Stacking Filter 11 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 1x(1+0)	N	\$ 4,700.00	\$ 1,645.00
3EM24166GC	Stckg Fltr 11 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 3x(1+0)	N	\$ 1,825.00	\$ 638.75
3EM24166GD	Stckg Fltr 11 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 4x(1+0)	N	\$ 1,775.00	\$ 621.25
3EM24166GE	Stacking Filter 11 GHz Freq Div W/G Kit Add-On Kit Grow 2nd MPT	N	\$ 1,425.00	\$ 498.75
3EM24166GW	Stacking Filter 11 GHz Freq Div W/G Kit Add-On Kit Grow 4th MPT	N	\$ 1,275.00	\$ 446.25
3EM24166GH	1st MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,145.00	\$ 750.75
3EM24166GJ	1st MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,550.00	\$ 892.50
3EM24166GK	1st & 2nd MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 3,000.00	\$ 1,050.00
3EM24166GL	1st & 2nd MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 3,200.00	\$ 1,120.00
3EM24166GM	3rd MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 1,975.00	\$ 691.25
3EM24166GN	3rd MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,375.00	\$ 831.25
3EM24166GP	3rd & 4th MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 2,850.00	\$ 997.50
3EM24166GQ	3rd & 4th MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 3,000.00	\$ 1,050.00
3EM24166GS	Field Add-On 2nd MPT to 1x(1+0) Kit (SD FD)	N	\$ 725.00	\$ 253.75
3EM24166GY	Field Add-On 4th MPT to 3x(1+0) Kit (SD FD)	N	\$ 635.00	\$ 222.25
3EM24166GT	Field Add-On 3rd MPT to 2x(1+0) Kit (SD FD)	N	\$ 900.00	\$ 315.00
<b>Waveguide Extention Kits - Table L</b>				
3EM24166AQ	11 GHz WG Ext Xmt-Rcv Kit Positions A8-A11 Left or Right	N	\$ 1,169.00	\$ 409.15
3EM24166AR	11 GHz W/G Extension Kit Space Div A8-A11 (MPT-HL)	N	\$ 1,290.00	\$ 451.50
3EM24166AV	11 GHz W/G Extension Kit Space Div A8-A11 (MPT-HLC)	N	\$ 1,825.00	\$ 638.75
<b>RF Stacking Filters - 6 GHz Table J</b>				
3EM16948AG	RCV RF Stacking Filter 5725-5850 MHz	N	\$ 900.00	\$ 315.00
3EM16949AG	XMT RF Stacking Filter 5725-5850 MHz	N	\$ 900.00	\$ 315.00
3EM16948AA	RCV RF Stacking Filter 5925-6175 MHz	N	\$ 1,100.00	\$ 385.00
3EM16949AB	XMT RF Stacking Filter 6175-6425 MHz	N	\$ 1,150.00	\$ 402.50
3EM16948AB	RCV RF Stacking Filter 6175-6425 MHz	N	\$ 1,200.00	\$ 420.00
3EM16949AA	XMT RF Stacking Filter 5925-6175 MHz	N	\$ 1,650.00	\$ 577.50
3DB76113AA	RF Stacking Filter 5925-6175 MHz (XMT or RCV)	N	\$ 725.00	\$ 253.75
3DB76114AA	RF Stacking Filter 6175-6425 MHz (XMT or RCV)	N	\$ 725.00	\$ 253.75
3DB76092AA	60 MHz Filter Flange Adapter Kit	N	\$ 105.00	\$ 36.75
3EM16948AD	RCV RF Stacking Filter 6525-6875 MHz	N	\$ 950.00	\$ 332.50
3EM16949AD	XMT RF Stacking Filter 6525-6875 MHz	N	\$ 950.00	\$ 332.50
3EM16948AE	RCV RF Stacking Filter 6440-6740 MHz	N	\$ 1,700.00	\$ 595.00
3EM16949AF	XMT RF Stacking Filter 6740-7080 MHz	N	\$ 1,250.00	\$ 437.50
3EM16948AF	RCV RF Stacking Filter 6740-7080 MHz	N	\$ 1,250.00	\$ 437.50
3EM16949AE	XMT RF Stacking Filter 6440-6740 MHz	N	\$ 978.00	\$ 342.30
<b>RF Stacking Filters - 11 GHz - Table J</b>				
3EM24166JC	RF Filter Kit, Rcv 10.7 - 11.2, 30 MHz BW	N	\$ 1,500.00	\$ 525.00
3EM24166JD	RF Filter Kit, Rev 11.2 - 11.7, 30 MHz BW	N	\$ 1,500.00	\$ 525.00
3EM24166JA	RF Filter Kit, Xmt 10.7 - 11.2, 30 MHz BW	N	\$ 1,500.00	\$ 525.00
3EM24166JB	RF Filter Kit, Xmt 11.2 - 11.7, 30 MHz BW	N	\$ 1,500.00	\$ 525.00
3EM24166JE	RF Filter Kit, 10.7 - 11.2, 60 MHz CH	N	\$ 1,500.00	\$ 525.00
3EM24166JF	RF Filter Kit, 11.2 - 11.7, 60 MHz CH	N	\$ 1,500.00	\$ 525.00
<b>Cable Kits - Table J1</b>				
3EM23523AJ	Stacking Cable Assy Hot Standby 1:10 Coupler	N	\$ 1,145.00	\$ 400.75
3EM23523AK	Stacking Cable Assy Hot Standby W/ Space Diversity	N	\$ 1,150.00	\$ 402.50
3EM23523AL	Stacking Cable Assy Freq Diversity 2x(1+0)	N	\$ 450.00	\$ 157.50
3EM23523AM	Stacking Cable Assy 1+0 Non-Standby Circulators Right-Rear	N	\$ 200.00	\$ 70.00
3EM23523AN	Stacking Cable Assy 1+0 Non-Standby Circulators Left-Rear	N	\$ 235.00	\$ 82.25
3EM23523AP	Stacking Cable Assy Expansion to 2x(1+0) Circulators Right-Rear	N	\$ 235.00	\$ 82.25
3EM23523AQ	Stacking Cable Assy Expansion to 2x(1+0) Circulators Left-Rear	N	\$ 200.00	\$ 70.00
3EM23523AR	Stacking Cable Assy Hot-Standby, Space Div with Combiner	N	\$ 1,345.00	\$ 470.75
3EM23523AS	Stacking Cable Assy Freq Diversity 2x(1+0), Space Div with Combiner	N	\$ 500.00	\$ 175.00
3EM23523AT	Freq Div 1x(1+0), Space Div w/Combiner Circulators Right-Rear	N	\$ 285.00	\$ 99.75
3EM23523AU	Freq Div 1x(1+0), Space Div w/Combiner Circulators Left-Rear	N	\$ 350.00	\$ 122.50
3EM23523AV	Expansion to 2x(1+0), SD w/ Combiner Circulators Right-Rear	N	\$ 345.00	\$ 120.75
3EM23523AW	Expansion to 2x(1+0), SD w/ Combiner Circulators Left-Rear	N	\$ 290.00	\$ 101.50
3EM23523AY	Hot Standby w/ Transmitter Diversity Antenna	N	\$ 915.00	\$ 320.25
<b>Isolator Kits - L6 - Table J2</b>				
3EM23524AA	Isolator Assy Lower 6 GHz Hot Standby 1:10 Coupler	N	\$ 461.00	\$ 161.35
3EM23524AB	Isolator Assy Lower 6 GHz Hot Standby Space Diversity or FD	N	\$ 449.00	\$ 157.15
3EM23524AC	Isolator Assy Lower 6 GHz 1+0 (Non-Standby)	N	\$ 224.00	\$ 78.40
3EM23524AG	Isolator Assy Lower 6 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 840.00	\$ 294.00



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3EM23524AH	Isolator Assy Lower 6 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 650.00	\$ 227.50
3EM23524AJ	Isolator Assy Lower 6 GHz 1+0, Space Div w/ Combiner	N	\$ 325.00	\$ 113.75
3EM23524AK	Isolator Assy Lower 6 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 750.00	\$ 262.50
<b>Isolator Kits - U6 - Table J2</b>				
3EM23524AD	Isolator Assy Upper 6 GHz Hot Standby 1:10 Coupler	N	\$ 479.00	\$ 167.65
3EM23524AE	Isolator Assy Upper 6 GHz Hot Standby Space Diversity or FD	N	\$ 466.00	\$ 163.10
3EM23524AF	Isolator Assy Upper 6 GHz 1+0 (Non-Standby)	N	\$ 233.00	\$ 81.55
3EM23524AL	Isolator Assy Upper 6 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 925.00	\$ 323.75
3EM23524AM	Isolator Assy Upper 6 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 725.00	\$ 253.75
3EM23524AN	Isolator Assy Upper 6 GHz 1+0, Space Div w/ Combiner	N	\$ 365.00	\$ 127.75
3EM23524AP	Isolator Assy Upper 6 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 895.00	\$ 313.25
<b>Isolator Kits - 10.5/11 GHz - Table J2</b>				
3EM24189AA	Isolator Assy 10.5/11 GHz Hot Standby 1:10 Coupler	N	\$ 526.00	\$ 184.10
3EM24189AB	Isolator Assy 10.5/11 GHz Hot Standby Space Diversity or FD	N	\$ 512.00	\$ 179.20
3EM24189AC	Isolator Assy 10.5/11 GHz 1+0 (Non-Standby)	N	\$ 256.00	\$ 89.60
3EM24189AD	Isolator Assy 10.5/11 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 750.00	\$ 262.50
3EM24189AE	Isolator Assy 10.5/11 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 720.00	\$ 252.00
3EM24189AF	Isolator Assy 10.5/11 GHz 1+0, Space Div w/ Combiner	N	\$ 375.00	\$ 131.25
3EM24189AH	Isolator Assy 10.5 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 850.00	\$ 297.50
3EM24189AG	Isolator Assy 11 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 850.00	\$ 297.50
<b>Flange Adapter Kit - Table J3</b>				
3MU00179CA	W/G Flange CPR-137 Kit, 1 Port	N	\$ 250.00	\$ 87.50
3MU00179CB	W/G Flange CPR-159 Kit, 1 Port	N	\$ 200.00	\$ 70.00
3MU00179CC	W/G Flange CMR -159 Kit, 1 Port	N	\$ 200.00	\$ 70.00
3MU00179CE	W/G Flange CPR-90 Kit, 1 Port	N	\$ 250.00	\$ 87.50
<b>Waveguide - Table H</b>				
3EM24197AA	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 350.00	\$ 122.50
3EM24197AB	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 475.00	\$ 166.25
3EM24191AA	6 GHz E-E BEND WAVEGUIDE ADAPTER	N	\$ 650.00	\$ 227.50
3EM24191AB	6 GHz E-E BEND WAVEGUIDE ADAPTER	N	\$ 650.00	\$ 227.50
3EM24197AC	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 750.00	\$ 262.50
3EM24190AA	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 402.50
3EM24190AB	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 402.50
3EM24190AD	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 402.50
<b>ACCP Lower 6 GHz</b>				
3DB76151AB	KIT SUPPORT WG R70 UP/DOWN	N	\$ 490.00	\$ 171.50
3DB76152AC	KIT BRANCHING CH1 SIDE UP	N	\$ 1,835.00	\$ 642.25
3DB76153AC	KIT BRANCHING CH1 DOWN	N	\$ 2,150.00	\$ 752.50
3DB76154AB	KIT EXPANSION BRACKETS CHANNELS 3-5-7 UP/DOWN	N	\$ 385.00	\$ 134.75
3DB76155AB	KIT EXPANSION TX-RX CHANNELS 3-5-7	N	\$ 525.00	\$ 183.75
3DB76156AB	KIT EXPANSION TX-RX CH.2-4-6-8	N	\$ 400.00	\$ 140.00
3DB76157AC	KIT BRANCHING RX-DIV CH1 UP	N	\$ 575.00	\$ 201.25
3DB76158AC	KIT BRANCHING RX-DIV CH1 DOWN	N	\$ 1,175.00	\$ 411.25
3DB76159AB	KIT EXTENSION RX DIV. CHANNELS 3-5-7	N	\$ 250.00	\$ 87.50
3DB76161AB	KIT EXTENSION RX-DIV.CHANNELS 2-4-6-8 UP/DOWN	N	\$ 200.00	\$ 70.00
3DB76285AA	5.9-6.95 GHz circulator, RX	N	\$ 230.00	\$ 80.50
3DB76285BA	5.9-6.95 GHz circulator, TX	N	\$ 288.00	\$ 100.80
3DB01185AA	WR137 Power Absorber 5,6-7,1 GHz	N	\$ 95.00	\$ 33.25
3DB02412AA	FLANGED STUB L=47MM (x CH2)	N	\$ 55.00	\$ 19.25
3DB02414AA	FLANGED STUB L=141 MM (x CH3)	N	\$ 81.00	\$ 28.35
3DB02415AA	FLANGED STUB L=188 MM (x CH4)	N	\$ 92.00	\$ 32.20
3DB02417AA	FLANGED STUB L=282 MM (x CH5)	N	\$ 115.00	\$ 40.25
3DB02418AA	FLANGED STUB L=329 MM (x CH6)	N	\$ 115.00	\$ 40.25
3DB24240AA	FLANGED STUB L=423 MM (x CH7)	N	\$ 135.00	\$ 47.25
3DB76146AA	FLANGED STUB R70 L=470 MM (x CH8)	N	\$ 200.00	\$ 70.00
3DB76145AA	FLANGED STUB R70 (CPR137)	N	\$ 225.00	\$ 78.75
3DB76246AA	FLANGED STUB R70 (L=210mm) (CMR137)	N	\$ 100.00	\$ 35.00
3DB76131AA	TUNED 6 CAV FILTER 5.90-6.20 GHz CH 30 MHz	N	\$ 775.00	\$ 271.25
3DB76132AA	TUNED 6 CAV FILTER 6.15-6.45 GHz CH 30 MHz	N	\$ 775.00	\$ 271.25
3DB76286AA	TUNED 6 CAV FILTER 6.4-6.75 GHz CH 30 MHz (BW 25,5MHz)	N	\$ 775.00	\$ 271.25
3DB76287AA	TUNED 6 CAV FILTER 6.7-7,1 GHz CH 30 MHz (BW 25,5 MHz)	N	\$ 775.00	\$ 271.25
3DB76197AA	REJECTION FILTER 3 cav. 6L INF	N	\$ 475.00	\$ 166.25
3DB76198AA	REJECTION FILTER 3 cav. 6L SUP	N	\$ 475.00	\$ 166.25
3DB76113AA	RF Stacking Filter 5925-6175 MHz (XMT or RCV) 60 MHz	N	\$ 725.00	\$ 253.75
3DB76114AA	RF Stacking Filter 6175-6425 MHz (XMT or RCV) 60 MHz	N	\$ 725.00	\$ 253.75

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3DB76199AA	REJECTION FILTER 6 CAV. 6L INF (Only for Ch 60 Mhz)	N	\$ 425.00	\$ 148.75
3DB76200AA	REJECTION FILTER 6 CAV. 6L SUP (Only for Ch 60 Mhz)	N	\$ 425.00	\$ 148.75
3CC50266AB	KIT SCREW FOR DOUBLE REJECTION FILTERS	N	\$ 5.00	\$ 1.75
3DB80438AA	SHORTING PLATE KIT	N	\$ 55.00	\$ 19.25
3DB76258AB	KIT BRANCHING TX SPLIT ON RXD 1+0 UP	N	\$ 3,050.00	\$ 1,067.50
3DB76259AB	KIT BRANCHING TX SPLIT ON RXD 1+0 DOWN	N	\$ 3,850.00	\$ 1,347.50
3DB76261AB	KIT EXP. CONFIG. 3+0 5+0 7+0 UP/DOWN	N	\$ 935.00	\$ 327.25
3DB76260AB	KIT.EXP. CONFIG. 2+0 4+0 6+0 8+0 UP/DOWN	N	\$ 815.00	\$ 285.25
3DB76162AA	KIT FIXING BRACKET BRANCH. CONFIG. 5+0 7+0	N	\$ 85.00	\$ 29.75
3DB76262AA	KIT FIX BRACKETS TX ON RXD FOR EVEN CONFIGURATION	N	\$ 95.00	\$ 33.25
1AB441920005	UW ISOLATOR COAX 5,73-6,43GHZ - 51A32-27*20dB	N	\$ 252.69	\$ 88.44
1AB456210001	UW ISOLATOR COAX 5,73-6,43GHZ - 51A32-29*20dB	N	\$ 225.00	\$ 78.75
1AB443880001	UW ISOLATOR COAX 6,43-7,25GHZ - 51A27-06* 20dB	N	\$ 252.69	\$ 88.44
1AB470490001	UW ISOLATOR COAX 6,43-7,13GHZ - 60D294-29* 20dB	N	\$ 275.00	\$ 96.25
3DB76304AA	KIT EXPANSION TX-RX CH9 6L-6U	N	\$ 1,500.00	\$ 525.00
3DB76305AA	KIT EXPANSION RX DIV. CH9 6L-6U	N	\$ 750.00	\$ 262.50
3DB76306AA	KIT EXPANSION CONFIG 9+0 TX-RX SPLIT ON RXD	N	\$ 1,845.00	\$ 645.75
3DB76307AA	KIT BRANCHING CONFIG. 10+0 TX-RX SPLIT ON RXD	N	\$ 335.00	\$ 117.25
<b>ACCP Cable Kits Lower 6 GHz</b>				
3EM23523CA	MPT-HLC ACCP Ch 1, 3, 5, 7 Cable Kit	N	\$ 160.00	\$ 56.00
3EM23523CB	MPT-HLC ACCP Ch 2, 4, 6, 8 Cable Kit	N	\$ 160.00	\$ 56.00
3EM23523CC	6 G MPT-HLC ACCP SD Ch 1,3,5,7 Cable Kit	N	\$ 80.00	\$ 28.00
3EM23523CD	6 G MPT-HLC ACCP SD Ch 2,4,6,8 Cable Kit	N	\$ 80.00	\$ 28.00
<b>ACCP 11 GHz</b>				
3DB76151AB	KIT SUPPORT WG UP/DOWN	N	\$ 490.00	\$ 171.50
3DB76151AC	KIT SUPPORT WG UP/DOWN	N	\$ 415.00	\$ 145.25
3DB76201AB	KIT BRANCHING TX-RX CH1 SIDE UP 11 GHz	N	\$ 1,975.00	\$ 691.25
3DB76202AB	KIT BRANCHING CH1 SIDE DOWN 11 GHz	N	\$ 1,775.00	\$ 621.25
3DB76203AB	KIT EXT. BRACKETS CHANNELS 3-5-7 11 GHz	N	\$ 550.00	\$ 192.50
3DB76204AA	KIT EXT. TX-RX CH 3-5-7 UP/DOWN 11 GHz	N	\$ 945.00	\$ 330.75
3DB76205AA	KIT EXT. TX-RX CH 2-4-6-8 UP/DOWN 11GHz	N	\$ 600.00	\$ 210.00
3DB76206AB	KIT BRANCHING RX-DIV CH1 UP 11 GHz	N	\$ 825.00	\$ 288.75
3DB76207AB	KIT BRANCHING RX-DIV CH1 DOWN 11 GHz	N	\$ 815.00	\$ 285.25
3DB76208AA	KIT EXT RX-DIV. CH 3-5-7 UP/DOWN 11 GHz	N	\$ 475.00	\$ 166.25
3DB76209AA	KIT EXT RX-DIV.CH 2-4-6-8 UP/DOWN 11 GHz	N	\$ 300.00	\$ 105.00
3DB02132AA	11 GHZ CIRCULATOR	N	\$ 300.00	\$ 105.00
3DB80566AA	FILTER 11,2-11,7 GHZ 6 CAV.BW 40 MHZ	N	\$ 1,098.00	\$ 384.30
3DB80567AA	FILTER 10,7-11,2 GHZ 6 CAV.BW 40 MHZ	N	\$ 1,098.00	\$ 384.30
3DB76228AA	FILTER 11,2-11,7 GHZ 6 CAV.BW 40 MHZ	N	\$ 1,325.00	\$ 463.75
3DB76229AA	FILTER 10,7-11,2 GHZ 6 CAV.BW 40 MHZ	N	\$ 1,325.00	\$ 463.75
3DB02189AA	TERMINATION 11-13GHZ WR75	N	\$ 125.00	\$ 43.75
3DB76215AA	FLANGED STUB R120 L=261mm (TX-RX and RXD - UP)	N	\$ 175.00	\$ 61.25
3DB76223AA	DOUBLE BEND E PLANE R120 (TX-RX - DOWN)	N	\$ 485.00	\$ 169.75
3DB76222AA	FLANGED STUB R120 L=39mm (2CH)	N	\$ 145.00	\$ 50.75
3DB76216AA	FLANGED STUB R120 L=141mm (3CH)	N	\$ 150.00	\$ 52.50
3DB76217AA	FLANGED STUB R120 L=180mm (4CH)	N	\$ 150.00	\$ 52.50
3DB76218AA	FLANGED STUB R120 L=282mm (5CH)	N	\$ 165.00	\$ 57.75
3DB76219AA	FLANGED STUB R120 L=321mm (6CH)	N	\$ 165.00	\$ 57.75
3DB76220AA	FLANGED STUB R120 L=423mm (7CH)	N	\$ 165.00	\$ 57.75
3DB76221AA	FLANGED STUB R120 L=462mm (8CH)	N	\$ 175.00	\$ 61.25
3DB80699AA	CLOSED KIT CHANNEL CIRCULATOR	N	\$ 20.00	\$ 7.00
3DB76264AA	FLANGED STUB R120 L=564mm (9CH)	N	\$ 135.00	\$ 47.25
3DB76265AA	FLANGED STUB R120 L=603mm (10CH)	N	\$ 175.00	\$ 61.25
3DB76266AA	FLANGED STUB R120 L=705mm (11CH)	N	\$ 175.00	\$ 61.25
3DB76270AA	KIT CLOSURE EMPTY SLOT	N	\$ 110.00	\$ 38.50
3DB76271AA	KIT BRANCHING TX SPLIT ON RXD 1+0 UP	N	\$ 3,015.00	\$ 1,055.25
3DB76272AA	KIT BRANCHING TX SPLIT ON RXD 1+0 DOWN	N	\$ 2,955.00	\$ 1,034.25
3DB76281AA	KIT EXP. 2+0 TX SPLIT ON RXD UP AND DOWN	N	\$ 1,065.00	\$ 372.75
3DB76273AA	KIT EXP. CONFIG. 3+0 5+0 7+0 9+0 11+0	N	\$ 1,415.00	\$ 495.25
3DB76274AA	KIT EXP. CONFIG. 4+0 6+0 8+0 9+0 10+0	N	\$ 1,070.00	\$ 374.50
3DB76275AA	KIT FIX. BRACK. BRANCH. CONFIG. 1+0 5+0 7+0 9+0 11+0	N	\$ 85.00	\$ 29.75
3DB76276AA	KIT FIX. BRACKET TX ON RXD FOR EVEN CONFIG	N	\$ 45.00	\$ 15.75
<b>ACCP Cable Kits 11 GHz</b>				
3EM23523CE	MPT-HLC ACCP Ch 1, 3, 5, 7 Cable Kit	N	\$ 160.00	\$ 56.00
3EM23523CF	MPT-HLC ACCP Ch 2, 4, 6, 8 Cable Kit	N	\$ 160.00	\$ 56.00
3EM23523CG	11 G MPT-HLC ACCP SD Ch 1,3,5,7 Cable Kit	N	\$ 80.00	\$ 28.00
3EM23523CH	11 G MPT-HLC ACCP SD Ch 2,4,6,8 Cable Kit	N	\$ 80.00	\$ 28.00

**SCHEDULE B- PRICING**

**Contract # 18000000497**

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**MICROWAVE EQUIPMENT** **NOKIA**

<b>MPT-HCv2 5.8G 64MHz</b>				
3DB20913BA	MPT-HC V2 5,8GHz 5725.5-5785.5	Y	\$ 9,230.00	\$ 3,230.50
3DB20914BA	MPT-HC V2 5,8GHz 5789.5-5849.5	Y	\$ 9,230.00	\$ 3,230.50
3DB20913BB	MPT-HC V2 5,8GHz 5725.5-5785.5 (GR-3108 version)	Y	\$ 9,230.00	\$ 3,230.50
3DB20914BB	MPT-HC V2 5,8GHz 5789.5-5849.5 (GR-3108 version)	Y	\$ 9,230.00	\$ 3,230.50
<b>Outdoor PoE</b>				
3DB19194AA	PD-9501GO/FP/AC-NA	N	\$ 1,190.00	\$ 416.50
3DB19195AA	PD-OUT-MBK	N	\$ 160.00	\$ 56.00
<b>MPT-HC Cables</b>				
3CC52191AA	Light Service alignment kit with LEMO connector	N	\$ 284.00	\$ 99.40
<b>MPT-HC CAT5e IM Table A6</b>				
1AC016760006	Cat5e cable - GLP is per foot	N	\$ 1.15	\$ 0.81
1AD040130004	Ground kit - (qty 3 per run, based on length)	N	\$ 58.52	\$ 20.48
3CC50251AA	Ground kit, 2M - (qty 3 per run, based on length)	N	\$ 72.00	\$ 25.20
1AB074610027	RJ-45 connector for indoor and outdoor ends of cat5e	N	\$ 8.17	\$ 2.86
1AB150990002	R2CT connector protection for RJ45 outdoor	N	\$ 34.36	\$ 12.03
1AD160490001	Tool HIROSE RJ45 IDU-ODU cable assembling	N	\$ 200.00	\$ 70.00
<b>MPT-HC CAT5e Cords A4</b>				
3CC52199AE	3m Preassembled CAT5e R2TC/RJ45	N	\$ 232.00	\$ 81.20
3CC52199AF	5m Preassembled CAT5e R2TC/RJ45	N	\$ 244.00	\$ 85.40
3CC52199AG	10m Preassembled CAT5e R2TC/RJ45	N	\$ 272.00	\$ 95.20
3CC52199AA	25m Preassembled CAT5e R2TC/RJ45	N	\$ 418.00	\$ 146.30
3CC52199AJ	40m Preassembled CAT5e R2TC/RJ45	N	\$ 500.00	\$ 175.00
3CC52199AB	50m Preassembled CAT5e R2TC/RJ45	N	\$ 745.00	\$ 260.75
3CC52199AC	75m Preassembled CAT5e R2TC/RJ45	N	\$ 1,081.00	\$ 378.35
3CC52199AD	100m Preassembled CAT5e R2TC/RJ45	N	\$ 1,408.00	\$ 492.80
<b>Fiber storage</b>				
3CC50097AA	Fiber storage -pole/wall mount (100m)	N	\$ 199.26	\$ 69.74
3CC50095AA	Fiber storage - rack mount (25 m)	N	\$ 313.71	\$ 109.80
<b>MPT-HC XPIC Cables Table E5</b>				
3CC52186CA	XPIC cable 1 m	N	\$ 140.94	\$ 49.33
<b>MPT-HC Battery IM</b>				
3CC50030AA	Single Lightning Arrest Kit	N	\$ 470.00	\$ 164.50
1AB251350001	LPF for batt, 2 wire N adapter (filters 48v from ODU)	N	\$ 650.00	\$ 227.50
1AB328430001	Lightning arrester RJ-45 router output (MPRe)	N	\$ 725.25	\$ 253.84
3CC50158AA	Support for 1AB37230001 LA, max 8 LA	N	\$ 65.00	\$ 22.75
3CC52188AA	N- to Free Wire	N	\$ 85.73	\$ 30.01
3CC52159AA	Pig-tail, 2 wires to N-connector, 4 m (batt to N then LA, LPF...)	N	\$ 113.00	\$ 39.55
3CC52167AA	N- to RJ45	N	\$ 182.00	\$ 63.70
3EM23272AA	KIT SUPPORT FOR 3 CORDS N/QMA IDU	N	\$ 18.50	\$ 12.95
3EM23311AA	N Jack Bulkhead to QMA Plug (14 inch)	N	\$ 69.30	\$ 48.51
3EM23311AB	N Jack Bulkhead to QMA Plug (108 inch)	N	\$ 442.00	\$ 309.40
1AC014320002	Coaxial Cable LMR-400 FR - price per foot	N	\$ 8.51	\$ 5.96
357-9194-000	STRAIGHT MALE N MALE N COAXIAL Barrel	N	\$ 35.00	\$ 24.50
1AB095530045	Connector N PPC Straight Male	N	\$ 40.77	\$ 28.54
1AB095530044	Connector N PPC Right Angle Male	N	\$ 68.00	\$ 47.60
1AB095530046	Connector N PPC Straight Female	N	\$ 46.60	\$ 32.62
1AB383930001	Compression Tool for PPC	N	\$ 1,790.00	\$ 1,253.00
1AB350440001	LMR grounding kit	N	\$ 141.75	\$ 99.23
3CC50029AA	Single Lightning Arrest Bracket	N	\$ 68.00	\$ 47.60
<b>UBT 5.8-6 GHz</b>				
3DB29105AA	UBT-S 6GHz	Y	\$ 7,000.00	\$ 2,450.00
3DB29106AA	UBT-S 5.8-6GHz HP	Y	\$ 8,000.00	\$ 2,800.00
3DB29205AA	UBT-T 6GHz	Y	\$ 11,500.00	\$ 4,025.00
3DB29206AA	UBT-T 5.8-6GHz HP	Y	\$ 13,000.00	\$ 4,550.00
3DB28582AA	AIM-S 5.8GHz 63 MHz SB1	N	\$ 1,500.00	\$ 525.00
3DB28582BA	AIM-S 5.8GHz 63 MHz SB2	N	\$ 1,500.00	\$ 525.00
3DB28584AA	AIM-S 6GHz 150 MHz SB1	N	\$ 1,500.00	\$ 525.00
3DB28584BA	AIM-S 6GHz 150 MHz SB2	N	\$ 1,500.00	\$ 525.00

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**MICROWAVE EQUIPMENT** **NOKIA**

3DB28589AA	AIM-S 6GHz 160/170/180 MHz SB1	N	\$ 1,500.00	\$ 525.00
3DB28589BA	AIM-S 6GHz 160/170/180 MHz SB2	N	\$ 1,500.00	\$ 525.00
3DB28589CA	AIM-S 6GHz 160/170/180 MHz SB3	N	\$ 1,500.00	\$ 525.00
3DB28589DA	AIM-S 6GHz 160/170/180 MHz SB4	N	\$ 1,500.00	\$ 525.00
3DB28590AA	AIM-S 6GHz 252.04 MHz SB1	N	\$ 1,500.00	\$ 525.00
3DB28590BA	AIM-S 6GHz 252.04 MHz SB2	N	\$ 1,500.00	\$ 525.00
3DB28590CA	AIM-S 6GHz 252.04 MHz SB3	N	\$ 1,500.00	\$ 525.00
3DB28591AA	AIM-S 6GHz 340 MHz SB1	N	\$ 1,500.00	\$ 525.00
3DB28591BA	AIM-S 6GHz 340 MHz SB2	N	\$ 1,500.00	\$ 525.00
3DB28591CA	AIM-S 6GHz 340 MHz SB3	N	\$ 1,500.00	\$ 525.00
3DB28768AA	AIM-T-C L6GHz 252.04MHz SB1 SB2	N	\$ 2,500.00	\$ 875.00
3DB28769AA	AIM-T-C L6GHz 252.04MHz SB2 SB3	N	\$ 2,500.00	\$ 875.00
3DB28552AA	AIM-T-C 6GHz 150 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28552BA	AIM-T-C 6GHz 150 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28553AA	AIM-T-C 6GHz 160/170/180 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28553BA	AIM-T-C 6GHz 160/170/180 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28553CA	AIM-T-C 6GHz 160/170/180 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB28553DA	AIM-T-C 6GHz 160/170/180 MHz SB4/SB4	N	\$ 2,500.00	\$ 875.00
3DB28554AA	AIM-T-C 6GHz 252.04 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28554BA	AIM-T-C 6GHz 252.04 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28554CA	AIM-T-C 6GHz 252.04 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB28556AA	AIM-T-C 6GHz 340 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28556BA	AIM-T-C 6GHz 340 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28556CA	AIM-T-C 6GHz 340 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB28915AA	AIM-T-O 5.8GHz 63 MHz SB1	N	\$ 2,500.00	\$ 875.00
3DB28915BA	AIM-T-O 5.8GHz 63 MHz SB2	N	\$ 2,500.00	\$ 875.00
3DB28622AA	AIM-T-O 6GHz 150 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28622BA	AIM-T-O 6GHz 150 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28623AA	AIM-T-O 6GHz 160/170/180 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28623BA	AIM-T-O 6GHz 160/170/180 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28623CA	AIM-T-O 6GHz 160/170/180 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB28623DA	AIM-T-O 6GHz 160/170/180 MHz SB4/SB4	N	\$ 2,500.00	\$ 875.00
3DB28624AA	AIM-T-O 6GHz 252.04 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28624BA	AIM-T-O 6GHz 252.04 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28624CA	AIM-T-O 6GHz 252.04 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB29574AA	AIM-T-O L6GHz 252.04MHz SB1/SB2	N	\$ 2,500.00	\$ 875.00
3DB29579AA	AIM-T-O 6GHz 252.04MHz SB2 SB3	N	\$ 2,500.00	\$ 875.00
3DB28625AA	AIM-T-O 6GHz 340 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28625BA	AIM-T-O 6GHz 340 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28625CA	AIM-T-O 6GHz 340 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB28507AA	AIM-T-D 5.8GHz 63 MHz SB1	N	\$ 2,500.00	\$ 875.00
3DB28507BA	AIM-T-D 5.8GHz 63 MHz SB2	N	\$ 2,500.00	\$ 875.00
3DB28510AA	AIM-T-D 6GHz 150 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28510BA	AIM-T-D 6GHz 150 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28514AA	AIM-T-D 6GHz 160/170/180 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28514BA	AIM-T-D 6GHz 160/170/180 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28514CA	AIM-T-D 6GHz 160/170/180 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB28514DA	AIM-T-D 6GHz 160/170/180 MHz SB4/SB4	N	\$ 2,500.00	\$ 875.00
3DB28520AA	AIM-T-D 6GHz 252.04 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28520BA	AIM-T-D 6GHz 252.04 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28520CA	AIM-T-D 6GHz 252.04 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB29575AA	AIM-T-D L6GHz 252.04MHz SB1/SB2	N	\$ 2,500.00	\$ 875.00
3DB29581AA	AIM-T-D 6GHz 252.04MHz SB2 SB3	N	\$ 2,500.00	\$ 875.00
3DB28521AA	AIM-T-D 6GHz 340 MHz SB1/SB1	N	\$ 2,500.00	\$ 875.00
3DB28521BA	AIM-T-D 6GHz 340 MHz SB2/SB2	N	\$ 2,500.00	\$ 875.00
3DB28521CA	AIM-T-D 6GHz 340 MHz SB3/SB3	N	\$ 2,500.00	\$ 875.00
3DB29604AA	AIM-T-D U6GHz 160MHz SB1/SB2	N	\$ 2,500.00	\$ 875.00
3DB29605AA	AIM-T-D U6GHz 160MHz SB2/SB3	N	\$ 2,500.00	\$ 875.00
3DB29606AA	AIM-T-D U6GHz 160MHz SB3/SB4	N	\$ 2,500.00	\$ 875.00
3DB29601AA	AIM-T-O U6GHz 160MHz SB1/SB2	N	\$ 2,500.00	\$ 875.00
3DB29602AA	AIM-T-O U6GHz 160MHz SB2/SB3	N	\$ 2,500.00	\$ 875.00
3DB29603AA	AIM-T-O U6GHz 160MHz SB3/SB4	N	\$ 2,500.00	\$ 875.00
3DB28765AA	AIM-T-C U6GHz 160MHz SB1/SB2	N	\$ 2,500.00	\$ 875.00
3DB28766AA	AIM-T-C U6GHz 160MHz SB2/SB3	N	\$ 2,500.00	\$ 875.00
3DB28767AA	AIM-T-C U6GHz 160MHz SB3/SB4	N	\$ 2,500.00	\$ 875.00
<b>UBT 11 GHz</b>				
3DB29110AC	UBT-S 10-11 GHz	Y	\$ 7,000.00	\$ 2,450.00
3DB29111AC	UBT-S 10-11 GHz HP	Y	\$ 8,000.00	\$ 2,800.00
3DB29210AC	UBT-T 10-11 GHz	N	\$ 11,500.00	\$ 4,025.00



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**MICROWAVE EQUIPMENT** **NOKIA**

3DB29211AC	UBT-T 10-11 GHz HP	N	\$ 13,000.00	\$ 4,550.00
3DB28210AA	AIM-S 11GHz 490-500-520-530MHz SB1	N	\$ 1,500.00	\$ 525.00
3DB28210BA	AIM-S 11GHz 490-520-530MHz SB2	N	\$ 1,500.00	\$ 525.00
3DB28210CA	AIM-S 11GHz 490-520-530MHz SB3	N	\$ 1,500.00	\$ 525.00
3DB28210DA	AIM-S 11GHz 490-500-520-530MHz SB4	N	\$ 1,500.00	\$ 525.00
3DB28211AA	AIM-T-C 11GHz 490-500-520-530MHz SB1	N	\$ 2,500.00	\$ 875.00
3DB28211BA	AIM-T-C 11GHz 490-520-530MHz SB2	N	\$ 2,500.00	\$ 875.00
3DB28211CA	AIM-T-C 11GHz 490-520-530MHz SB3	N	\$ 2,500.00	\$ 875.00
3DB28211DA	AIM-T-C 11GHz 490-500-520-530MHz SB4	N	\$ 2,500.00	\$ 875.00
3DB28212AA	AIM-T-O 11GHz 490-500-520-530MHz SB1	N	\$ 2,500.00	\$ 875.00
3DB28212BA	AIM-T-O 11GHz 490-520-530MHz SB2	N	\$ 2,500.00	\$ 875.00
3DB28212CA	AIM-T-O 11GHz 490-520-530MHz SB3	N	\$ 2,500.00	\$ 875.00
3DB28212DA	AIM-T-O 11GHz 490-500-520-530MHz SB4	N	\$ 2,500.00	\$ 875.00
3DB28227AA	AIM-T-C 11GHz 490-520-530MHz SB1 SB2	N	\$ 2,500.00	\$ 875.00
3DB28228AA	AIM-T-C 11GHz 490-520-530MHz SB2 SB3	N	\$ 2,500.00	\$ 875.00
3DB28229AA	AIM-T-C 11GHz 490-520-530MHz SB3 SB4	N	\$ 2,500.00	\$ 875.00
3DB28289AA	AIM-T-D 11GHz 490-520-530MHz SB1	N	\$ 2,500.00	\$ 875.00
3DB28289BA	AIM-T-D 11GHz 490-520-530MHz SB2	N	\$ 2,500.00	\$ 875.00
3DB28289CA	AIM-T-D 11GHz 490-520-530MHz SB3	N	\$ 2,500.00	\$ 875.00
3DB28289DA	AIM-T-D 11GHz 490-520-530MHz SB4	N	\$ 2,500.00	\$ 875.00
3DB29607AA	AIM-T-D 11GHz 490MHz SB1/SB2	N	\$ 2,500.00	\$ 875.00
3DB29608AA	AIM-T-D 11GHz 490MHz SB2/SB3	N	\$ 2,500.00	\$ 875.00
3DB29609AA	AIM-T-D 11GHz 490MHz SB3/SB4	N	\$ 2,500.00	\$ 875.00
3DB29356AA	AIM-T-O 11GHz 490MHz SB1/SB2	N	\$ 2,500.00	\$ 875.00
3DB29357AA	AIM-T-O 11GHz 490MHz SB2/SB3	N	\$ 2,500.00	\$ 875.00
3DB29358AA	AIM-T-O 11GHz 490MHz SB3/SB4	N	\$ 2,500.00	\$ 875.00
3DB28227AA	AIM-T-C 11GHz 490MHz SB1/SB2	N	\$ 2,500.00	\$ 875.00
3DB28228AA	AIM-T-C 11GHz 490MHz SB2/SB3	N	\$ 2,500.00	\$ 875.00
3DB28229AA	AIM-T-O 11GHz 490MHz SB3/SB4	N	\$ 2,500.00	\$ 875.00
<b>UBT 13-15 GHz</b>				
3DB29115AC	UBT-S 13-15 GHz	N	\$ 6,000.00	\$ 2,100.00
3DB29215AC	UBT-T 13-15 GHz	N	\$ 9,750.00	\$ 3,412.50
3DB28093AA	AIM-S 13GHz 225MHz SB1	N	\$ 1,200.00	\$ 420.00
3DB28093BA	AIM-S 13GHz 225MHz SB2	N	\$ 1,200.00	\$ 420.00
3DB28093CA	AIM-S 13GHz 225MHz SB3	N	\$ 1,200.00	\$ 420.00
3DB28093DA	AIM-S 13GHz 225MHz SB4	N	\$ 1,200.00	\$ 420.00
3DB28094AA	AIM-T-C 13GHz 225MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28094BA	AIM-T-C 13GHz 225MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28094CA	AIM-T-C 13GHz 225MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28094DA	AIM-T-C 13GHz 225MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28095AA	AIM-T-O 13GHz 225MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28095BA	AIM-T-O 13GHz 225MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28095CA	AIM-T-O 13GHz 225MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28095DA	AIM-T-O 13GHz 225MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28171AA	AIM-T-D 13GHz 225MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28171BA	AIM-T-D 13GHz 225MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28171CA	AIM-T-D 13GHz 225MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28171DA	AIM-T-D 13GHz 225MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28096AA	AIM-S 13GHz 266MHz SB1	N	\$ 1,200.00	\$ 420.00
3DB28096BA	AIM-S 13GHz 266MHz SB2	N	\$ 1,200.00	\$ 420.00
3DB28096CA	AIM-S 13GHz 266MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28097AA	AIM-T-C 13GHz 266MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28097BA	AIM-T-C 13GHz 266MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28097CA	AIM-T-C 13GHz 266MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28098AA	AIM-T-O 13GHz 266MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28098BA	AIM-T-O 13GHz 266MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28098CA	AIM-T-O 13GHz 266MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28172AA	AIM-T-D 13GHz 266MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28172BA	AIM-T-D 13GHz 266MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28172CA	AIM-T-D 13GHz 266MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28114BA	AIM-S 15GHz 475MHz SB2	N	\$ 1,200.00	\$ 420.00
3DB28114DA	AIM-S 15GHz 475MHz SB4	N	\$ 1,200.00	\$ 420.00
3DB28115BA	AIM-T-C 15GHz 475MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28115DA	AIM-T-C 15GHz 475MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28116BA	AIM-T-O 15GHz 475MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28116DA	AIM-T-O 15GHz 475MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28123AA	AIM-S 15GHz 640MHz SB1	N	\$ 1,200.00	\$ 420.00
3DB28124AA	AIM-T-C 15GHz 640MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28125AA	AIM-T-O 15GHz 640MHz SB1	N	\$ 2,000.00	\$ 700.00

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**MICROWAVE EQUIPMENT** **NOKIA**

3DB28177BA	AIM-T-D 15GHz 475MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28177DA	AIM-T-D 15GHz 475MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28180AA	AIM-T-D 15GHz 640MHz SB1	N	\$ 2,000.00	\$ 700.00
<b>UBT 18 GHz</b>				
3DB29118AB	UBT-S 18 GHz	Y	\$ 6,000.00	\$ 2,100.00
3DB29218AB	UBT-T 18 GHz	Y	\$ 9,750.00	\$ 3,412.50
3DB28066AB	AIM-S 18GHz 1560MHz SB1 (integrated and non-integrated antenna)	N	\$ 1,200.00	\$ 420.00
3DB28071AA	AIM-T-C 18GHz 1560MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28072AA	AIM-T-O 18GHz 1560MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28185AA	AIM-T-D 18GHz 1560MHz SB1	N	\$ 2,000.00	\$ 700.00
<b>UBT 23 GHz</b>				
3DB29123AB	UBT-S 23 GHz	N	\$ 6,000.00	\$ 2,100.00
3DB29223AB	UBT-T 23 GHz	N	\$ 9,750.00	\$ 3,412.50
3DB28090AA	AIM-S 23GHz 1200MHz SB1	N	\$ 1,200.00	\$ 420.00
3DB28090BA	AIM-S 23GHz 1200MHz SB2	N	\$ 1,200.00	\$ 420.00
3DB28090CA	AIM-S 23GHz 1200MHz SB3	N	\$ 1,200.00	\$ 420.00
3DB28091AA	AIM-T-C 23GHz 1200MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28091BA	AIM-T-C 23GHz 1200MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28091CA	AIM-T-C 23GHz 1200MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28222AA	AIM-T-C 23GHz 1200MHz SB1 SB2	N	\$ 2,000.00	\$ 700.00
3DB28223AA	AIM-T-C 23GHz 1200MHz SB2 SB3	N	\$ 2,000.00	\$ 700.00
3DB28092AA	AIM-T-O 23GHz 1200MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28092BA	AIM-T-O 23GHz 1200MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28092CA	AIM-T-O 23GHz 1200MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28744AA	AIM-T-O 23GHz 1200MHz SB1/SB2	N	\$ 2,000.00	\$ 700.00
3DB28745AA	AIM-T-O 23GHz 1200MHz SB2/SB3	N	\$ 2,000.00	\$ 700.00
3DB28189AA	AIM-T-D 23GHz 1200MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28189BA	AIM-T-D 23GHz 1200MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28189CA	AIM-T-D 23GHz 1200MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB29612AA	AIM-T-D 23GHz 1200MHz SB1/SB2	N	\$ 2,000.00	\$ 700.00
3DB29613AA	AIM-T-D 23GHz 1200MHz SB2/SB3	N	\$ 2,000.00	\$ 700.00
<b>UBT 24-26 GHz</b>				
3DB29126AA	UBT-S 24-26 GHz	Y	\$ 6,000.00	\$ 2,100.00
3DB29226AA	UBT-T 24-26 GHz	Y	\$ 9,750.00	\$ 3,412.50
3DB28152AA	AIM-S 24GHz 800MHz SB1	N	\$ 1,200.00	\$ 420.00
3DB28153AA	AIM-T-C 24GHz 800MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28154AA	AIM-T-O 24GHz 800MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28190AA	AIM-T-D 24GHz 800MHz SB1	N	\$ 2,000.00	\$ 700.00
<b>UBT 28-32 GHz</b>				
3DB29132AA	UBT-S 28-32 GHz	Y	\$ 6,000.00	\$ 2,100.00
3DB29232AA	UBT-T 28-32 GHz	Y	\$ 9,750.00	\$ 3,412.50
3DB28666AA	AIM-S 28GHz 430-450MHz SB1	N	\$ 1,200.00	\$ 420.00
3DB28666BA	AIM-S 28GHz 430-450MHz SB2	N	\$ 1,200.00	\$ 420.00
3DB28666CA	AIM-S 28GHz 430-450MHz SB3	N	\$ 1,200.00	\$ 420.00
3DB28666DA	AIM-S 28GHz 430-450MHz SB4	N	\$ 1,200.00	\$ 420.00
3DB28669AA	AIM-T-C 28GHz 430-450MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28669BA	AIM-T-C 28GHz 430-450MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28669CA	AIM-T-C 28GHz 430-450MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28669DA	AIM-T-C 28GHz 430-450MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28672AA	AIM-T-O 28GHz 430-450MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28672BA	AIM-T-O 28GHz 430-450MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28672CA	AIM-T-O 28GHz 430-450MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28672DA	AIM-T-O 28GHz 430-450MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28675AA	AIM-T-D 28GHz 430-450MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28675BA	AIM-T-D 28GHz 430-450MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28675CA	AIM-T-D 28GHz 430-450MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28675DA	AIM-T-D 28GHz 430-450MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28668AA	AIM-S 32GHz 812MHz SB1	N	\$ 1,200.00	\$ 420.00
3DB28668BA	AIM-S 32GHz 812MHz SB2	N	\$ 1,200.00	\$ 420.00
3DB28671AA	AIM-T-C 32GHz 812MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28671BA	AIM-T-C 32GHz 812MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28674AA	AIM-T-O 32GHz 812MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28674BA	AIM-T-O 32GHz 812MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28677AA	AIM-T-D 32GHz 812MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28677BA	AIM-T-D 32GHz 812MHz SB2	N	\$ 2,000.00	\$ 700.00

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**MICROWAVE EQUIPMENT** **NOKIA**

		<b>UBT 38 GHz</b>		
3DB29138AB	UBT-S 38 GHz	Y	\$ 6,000.00	\$ 2,100.00
3DB29238AB	UBT-T 38 GHz	Y	\$ 9,750.00	\$ 3,412.50
3DB28058AA	AIM-S 38GHz 700MHz SB1	N	\$ 1,200.00	\$ 420.00
3DB28058BA	AIM-S 38GHz 700MHz SB2	N	\$ 1,200.00	\$ 420.00
3DB28058CA	AIM-S 38GHz 700MHz SB3	N	\$ 1,200.00	\$ 420.00
3DB28058DA	AIM-S 38GHz 700MHz SB4	N	\$ 1,200.00	\$ 420.00
3DB28060AA	AIM-T-C 38GHz 700MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28060BA	AIM-T-C 38GHz 700MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28060CA	AIM-T-C 38GHz 700MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28060DA	AIM-T-C 38GHz 700MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28061AA	AIM-T-O 38GHz 700MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28061BA	AIM-T-O 38GHz 700MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28061CA	AIM-T-O 38GHz 700MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28061DA	AIM-T-O 38GHz 700MHz SB4	N	\$ 2,000.00	\$ 700.00
3DB28193AA	AIM-T-D 38GHz 700MHz SB1	N	\$ 2,000.00	\$ 700.00
3DB28193BA	AIM-T-D 38GHz 700MHz SB2	N	\$ 2,000.00	\$ 700.00
3DB28193CA	AIM-T-D 38GHz 700MHz SB3	N	\$ 2,000.00	\$ 700.00
3DB28193DA	AIM-T-D 38GHz 700MHz SB4	N	\$ 2,000.00	\$ 700.00
		<b>UBT-m</b>		
3DB29170AB	UBT-m 80 GHz Low	Y	\$ 10,500.00	\$ 3,675.00
3DB29180AB	UBT-m 80 GHz High	Y	\$ 10,500.00	\$ 3,675.00
3DB29171AA	UBT-mX 80 GHz Low	Y	\$ 11,500.00	\$ 4,025.00
3DB29181AA	UBT-mX 80 GHz High	Y	\$ 11,500.00	\$ 4,025.00
3DB29178AA	UBT-mU 80 GHz Low	Y	\$ 11,000.00	\$ 3,850.00
3DB29188AA	UBT-mU 80 GHz High	Y	\$ 11,000.00	\$ 3,850.00
		<b>Network Interface Module</b>		
3DB28691AA	Network Interface Module (NIM)	Y	\$ 3,450.00	\$ 1,207.50
		<b>UBT Ancillary Equipment</b>		
3CC52225AA	Q-XCO to Octis optical pigtail	N	\$ 394.00	\$ 137.90
3DB28411AA	UBT-m XPIC cable 0.70 m	N	\$ 731.00	\$ 255.85
3DB28410AA	XPIC cable 2.5 m for UBT-S	N	\$ 357.00	\$ 124.95
3DB28410AB	XPIC cable 10 m for UBT-S	N	\$ 667.00	\$ 233.45
3DB28410AC	XPIC cable 15 m for UBT-S	N	\$ 754.00	\$ 263.90
3DB28410AD	XPIC cable 1 m for UBT-S	N	\$ 195.00	\$ 68.25
3CC50306AA	Adaptor nose 6 GHz	N	\$ 106.00	\$ 37.10
3CC50318AA	Adaptor nose 11GHz	N	\$ 106.00	\$ 37.10
3CC50321AA	Adaptor nose 38-42GHz	N	\$ 106.00	\$ 37.10
3CC50316AA	Adaptor nose 28-32GHz	N	\$ 106.00	\$ 37.10
3CC50310AA	Adaptor nose 13GHz	N	\$ 106.00	\$ 37.10
3CC50312AA	Adaptor nose 15GHz	N	\$ 106.00	\$ 37.10
3CC50314AA	Adaptor nose 18-26GHz	N	\$ 106.00	\$ 37.10
3CC58368AA	Coupler 3 dB 6GHz UBT	N	\$ 886.00	\$ 310.10
3CC58367AA	Coupler 10 dB 6GHz UBT	N	\$ 886.00	\$ 310.10
3CC58351AA	Coupler 3 dB 10/11 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58350AA	Coupler 10 dB 10/11 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58344AA	Coupler 3 dB 13-15 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58348AA	Coupler 10 dB 13-15 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58345AA	Coupler 3 dB 18-26 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58341AA	Coupler 10 dB 18-26 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58346AA	Coupler 3 dB 28-32 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58342AA	Coupler 10 dB 28-32 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58347AA	Coupler 3 dB 38-42 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58343BA	Coupler 10 dB 38-42 GHz UBT	N	\$ 886.00	\$ 310.10
3CC58407AA	hybrid coupler 6 GHz 10 dB	N	\$ 886.00	\$ 310.10
3CC58406AA	hybrid coupler 6 GHz 3 dB	N	\$ 886.00	\$ 310.10
3CC58366AA	hybrid coupler 11 GHz 10 dB	N	\$ 886.00	\$ 310.10
3CC58365AA	hybrid coupler 11 GHz 3 dB	N	\$ 886.00	\$ 310.10
3CC58378AA	hybrid coupler 13 GHz 10 dB	N	\$ 886.00	\$ 310.10
3CC58379AA	hybrid coupler 13 GHz 3 dB	N	\$ 886.00	\$ 310.10
3CC58393AA	hybrid coupler 15 GHz 10 dB	N	\$ 886.00	\$ 310.10
3CC58394AA	hybrid coupler 15 GHz 3 dB	N	\$ 886.00	\$ 310.10
3CC58380AA	hybrid coupler 18-26 GHz 10 dB	N	\$ 886.00	\$ 310.10
3CC58381AA	hybrid coupler 18-26 GHz 3 dB	N	\$ 886.00	\$ 310.10
3CC58382AA	hybrid coupler 28-32 GHz 10 dB	N	\$ 886.00	\$ 310.10
3CC58383AA	hybrid coupler 28-32 GHz 3 dB	N	\$ 886.00	\$ 310.10
3CC58384AA	hybrid coupler 38 GHz 10 dB	N	\$ 886.00	\$ 310.10

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**MICROWAVE EQUIPMENT** **NOKIA**

3CC58385AA	hybrid coupler 38 GHz 3 dB	N	\$ 886.00	\$ 310.10
3CC56939AA	Ortho Mode Transducer UBT 6 GHz	N	\$ 1,984.00	\$ 694.40
3CC56875AA	Ortho Mode Transducer UBT 10/11 GHz	N	\$ 1,984.00	\$ 694.40
3CC56876AA	Ortho Mode Transducer UBT 13 GHz	N	\$ 1,984.00	\$ 694.40
3CC56877AA	Ortho Mode Transducer UBT 15 GHz	N	\$ 1,984.00	\$ 694.40
3CC56878AA	Ortho Mode Transducer UBT 18 GHz	N	\$ 1,984.00	\$ 694.40
3CC56879AA	Ortho Mode Transducer UBT 23 GHz	N	\$ 1,984.00	\$ 694.40
3CC56880AA	Ortho Mode Transducer UBT 26 GHz	N	\$ 1,984.00	\$ 694.40
3CC56881AA	Ortho Mode Transducer UBT 28 GHz	N	\$ 1,984.00	\$ 694.40
3CC56882AA	Ortho Mode Transducer UBT 32 GHz	N	\$ 1,984.00	\$ 694.40
3CC56883AA	Ortho Mode Transducer UBT 38 GHz	N	\$ 1,984.00	\$ 694.40
3CC56884AA	Ortho Mode Transducer UBT 42 GHz	N	\$ 1,984.00	\$ 694.40
3CC57114AA	OMT UBT 6 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57116AA	OMT UBT 11 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57117AA	OMT UBT 13-15 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57119AA	OMT UBT 18 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57120AA	OMT UBT 23 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57121AA	OMT UBT 26 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57122AA	OMT UBT 28 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57123AA	OMT UBT 32 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57124AA	OMT UBT 38 GHz stand-alone Commscope	N	\$ 1,050.00	\$ 367.50
3CC57125AA	OMT UBT 42 GHz stand-alone Commscope	N	\$ 1,200.00	\$ 420.00
3CC57126AA	OMT UBT 80 GHz stand-alone	N	\$ 1,600.00	\$ 560.00
3CC58402AA	OMT-C UBT 6Ghz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58399AA	OMT-C UBT 10/11 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58395AA	OMT-C UBT 13 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58390AA	OMT-C UBT 15 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58391AA	OMT-C UBT 18 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58396AA	OMT-C UBT 23 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58397AA	OMT-C UBT 26 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58398AA	OMT-C UBT 28 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58399AA	OMT-C UBT 32 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58400AA	OMT-C UBT 38 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
3CC58401AA	OMT-C UBT 42 GHz Supports Any Antenna Supplier	N	\$ 5,850.00	\$ 2,047.50
1AF30445AAAA	Sway Bar for OMT-C 6-8GHz	N	\$ 180.00	\$ 63.00
3CC58363AA	Load for Unsed Coupler 6GHz	N	\$ 150.00	\$ 52.50
3CC58334AA	Pole mount for remote UBT/non-integrated ant config with AIM-C (nose adapter is needed)	N	\$ 329.00	\$ 115.15
3CC58338AA	Pole mount for remote UBT/non integ ant config with AIM-D (no nose adptr needed)	N	\$ 329.00	\$ 115.15
3CC50367AA	Waveguide to N-type for 5.8Ghz	N	\$ 285.00	\$ 99.75
3MU00189AA	UBT-S 5.8Ghz Non-Ingreated Antenna Kit	N	\$ 700.00	\$ 245.00
3MU00189AB	UBT-T 5.8Ghz Non-Ingreated Antenna Kit	N	\$ 850.00	\$ 297.50
<b>UBT-m Install Material</b>				
3DB29343AA	UBT-mU pole mount	N	\$ 329.00	\$ 115.15
3DB29526AA	L-shaped wall bracket for UBT-mU mount	N	\$ 200.00	\$ 70.00
3DB29337AA	Spacers for UBT-mU + NIM	N	\$ 31.00	\$ 10.85
3DB28731AB	UBT-m optical alignment tool (needed for UBT-mU)	N	\$ 3,038.00	\$ 1,063.30
3DB28743AA	UBT-m Lab bench assembly	N	\$ 375.00	\$ 131.25
<b>Dual Band</b>				
3CC56820AB	Dual Band Antenna 18/80Ghz	N	\$ 2,000.00	\$ 700.00
3CC56826AB	Dual Band Antenna 23/80Ghz	N	\$ 2,000.00	\$ 700.00
3CC56825AB	Dual Band Antenna 15/80Ghz	N	\$ 2,000.00	\$ 700.00
3CC58386AA	OMT for Dual Band antenna 15/80 GHz	N	\$ 650.00	\$ 227.50
3CC58387AA	OMT for Dual Band antenna 18/80 GHz	N	\$ 650.00	\$ 227.50
3CC58388AA	OMT for Dual Band antenna 23/80 GHz	N	\$ 650.00	\$ 227.50
<b>Flex twist</b>				
3CC50328AA	Flextwist 13 GHz WR75 PBR120/PBR140 1,2m	N	\$ 815.00	\$ 285.25
3CC50329AA	Flextwist 15 GHz WR62 PBR140/PBR140 1,2m	N	\$ 640.00	\$ 224.00
3CC50330AA	Flextwist 18 GHz WR42 PBR220/PBR220 1,2m	N	\$ 525.00	\$ 183.75
3CC50341AA	Flextwist 11GHz WR90 PBR100/PBR120 1.2m	N	\$ 690.00	\$ 241.50
<b>UBT Indoor</b>				
3CC50332AA	ASSY Bracket UBT-S or AIM-T-C std rack	N	\$ 450.00	\$ 157.50
3CC50336AA	ASSY bracket AIM-T-D std and sismic rack	N	\$ 450.00	\$ 157.50
3CC50345AA	ASSY Bracket UBT-S or AIM-T-C sism. rack	N	\$ 450.00	\$ 157.50
3CC50348AA	ASSY Bend E-plane UDR70 6 GHz	N	\$ 300.00	\$ 105.00
3CC50350AA	ASSY Bend E-plane UBR84 7-8 GHz	N	\$ 250.00	\$ 87.50
3CC50351AA	ASSY Bend E-plane UBR100 10-11 GHz	N	\$ 250.00	\$ 87.50

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**MICROWAVE EQUIPMENT** **NOKIA**

3CC50352AA	ASSY Bend E-plane UBR120 13 GHz	N	\$ 330.00	\$ 115.50
3CC50353AA	ASSY Bend E-plane UBR140 15 GHz	N	\$ 230.00	\$ 80.50
3CC50354AA	ASSY Bend E-plane UBR220 18-26 GHz	N	\$ 220.00	\$ 77.00
3CC50355AA	ASSY Bend E-plane UBR320 28-42 GHz	N	\$ 220.00	\$ 77.00
<b>UBT AIM Replacement Gaskets</b>				
3DB28829AA	Kit gasket AIM-S 10-42GHz - spare only	N	\$ 53.00	\$ 18.55
3DB28830AA	Kit gasket AIM-T 10-42GHz - spare only	N	\$ 81.00	\$ 28.35
3DB28834AA	Kit gasket AIM-S 6/7/8GHz - spare only	N	\$ 65.00	\$ 22.75
3DB28835AA	Kit gasket AIM-T 6/7/8GHz - spare only	N	\$ 104.00	\$ 36.40
<b>UBT Installation Material - OCTIS</b>				
1AB235300006	OCTIS housing for powering (high protec)	N	\$ 420.00	\$ 147.00
1AB235300007	OCTIS connector housing for powering	N	\$ 120.00	\$ 42.00
1AB235300005	OCTIS connector housing for fibers	N	\$ 59.00	\$ 20.65
1AB235300004	OCTIS connector housing for RJ45	N	\$ 53.00	\$ 18.55
3CC52229AA	OCTIS Pigtail N for DC	N	\$ 320.00	\$ 112.00
3CC52230AA	OCTIS Pigtail N for DC with protection	N	\$ 720.00	\$ 252.00
1AB469760001	OCTIS Extensdston Tube	N	\$ 250.00	\$ 87.50
<b>UBT Installation Material - Misc Coax</b>				
3EM23311AA	N Jack Bulkhead to QMA Plug (14 inch)	N	\$ 80.00	\$ 56.00
3EM23311AB	N Jack Bulkhead to QMA Plug (108 inch)	N	\$ 442.00	\$ 309.40
3CC52159AA	Pigtail 2-wires with N-female twd battery (indoor)	N	\$ 113.00	\$ 79.10
3CC52159BA	DC pigtail N to 2 wires outdoor	N	\$ 113.00	\$ 79.10
1AB357780003	QMA for coax (6.85mm) at EAC	N	\$ 53.00	\$ 37.10
3CC50030AA	Lightning arrestor for coax	N	\$ 350.00	\$ 245.00
1AB119710002	BNC-bananas adapter for antenna alignment	N	\$ 86.00	\$ 60.20
<b>UBT Installation Material - 6.85mm Coax</b>				
1AC041350002	Coax cable 6.85mm to power UBT ( meter)	N	\$ 3.45	\$ 2.42
1AB095530048	N-female for coax cable 6.85mm	N	\$ 92.00	\$ 64.40
1AB095530036	N-male for coax cable 6.85mm	N	\$ 36.00	\$ 25.20
1AB095530037	N-male 90 for coax cable 6.85mm	N	\$ 36.00	\$ 25.20
1AD040130004	grounding kit for coax cable 6.85mm	N	\$ 45.00	\$ 31.50
3CC50251AA	Ground kit, 2M – (qty 3 per run, based on length)	N	\$ 72.00	\$ 50.40
<b>UBT Installation Material - 10.3 Coax</b>				
1AC001100022	Coax cable 10.3mm to power UBT (meter)	N	\$ 6.00	\$ 4.20
1AB095530047	N female connector for 10.3mm	N	\$ 92.00	\$ 64.40
1AB095530023	N-male straight for coax cable 10.3mm	N	\$ 45.00	\$ 31.50
1AB095530021	N-male 90 for coax cable 10.3mm	N	\$ 45.00	\$ 31.50
1AB128500002	Grounding kit for coax cable 10.3mm	N	\$ 50.00	\$ 35.00
<b>UBT Installation Material - Power Injector</b>				
3DB19491AA	Outdoor Power Injector (OPI)	N	\$ 1,780.00	\$ 623.00
3DB19158AA	OPI Install Kit	N	\$ 275.00	\$ 96.25
3DB19739AA	Outdoor AC Power Supply (OACPS)	N	\$ 1,400.00	\$ 980.00
1AC052600002	Outdoor AC Power Cable (meter)	N	\$ 10.35	\$ 7.25
<b>UBT Installation Material - SFP</b>				
3CC50387AA	SFP+ 10GBASE-SR	Y	\$ 638.00	\$ 446.60
3CC50388AA	SFP+ 10G Base-LR	Y	\$ 1,450.00	\$ 1,015.00
3CC50322AA	SFP+ 10G Base-ER	Y	\$ 2,250.00	\$ 1,575.00
3CC50386AA	SFP 1000Base-SX 2.5Gbps	Y	\$ 150.00	\$ 105.00
3CC50167AA	1000BASE-SX SFP (mm fiber only)	Y	\$ 70.00	\$ 49.00
3CC50168AA	1000BASE-LX/LH SFP (mm or sm fiber)	Y	\$ 225.00	\$ 157.50
<b>UBT Installation Material - MM Fiber UBT to MSS/SAR</b>				
3CC52210BA	fiber cord MM LC-LC for UBT 5m	N	\$ 197.00	\$ 137.90
3CC52210BB	fiber cord MM LC-LC for UBT 10m	N	\$ 203.00	\$ 142.10
3CC52210BC	fiber cord MM LC-LC for UBT 25m	N	\$ 222.00	\$ 155.40
3CC52210BD	fiber cord MM LC-LC for UBT 50m	N	\$ 348.00	\$ 243.60
3CC52210BE	fiber cord MM LC-LC for UBT 80m	N	\$ 443.00	\$ 310.10
3CC52210BF	fiber cord MM LC-LC for UBT 100m	N	\$ 570.00	\$ 399.00
3CC52210BG	fiber cord MM LC-LC for UBT 120m	N	\$ 633.00	\$ 443.10
3CC52210BH	fiber cord MM LC-LC for UBT 140m	N	\$ 664.00	\$ 464.80
3CC52210BL	fiber cord MM LC-LC for UBT 160m	N	\$ 759.00	\$ 531.30
3CC52210BM	fiber cord MM LC-LC for UBT 180m	N	\$ 949.00	\$ 664.30
3CC52210BN	fiber cord MM LC-LC for UBT 200m	N	\$ 1,044.00	\$ 730.80



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**MICROWAVE EQUIPMENT** **NOKIA**

3CC52210BP	fiber cord MM LC-LC for UBT 220m	N	\$ 1,076.00	\$ 753.20
3CC52210BR	fiber cord MM LC-LC for UBT 250m	N	\$ 1,202.00	\$ 841.40
3CC52210BS	fiber cord MM LC-LC for UBT 300m	N	\$ 1,392.00	\$ 974.40
<b>UBT Installation Material - SM Fiber UBT to MSS/SAR</b>				
3CC52218BL	fiber cord SM LC-LC for UBT 5m	N	\$ 114.00	\$ 79.80
3CC52218BM	fiber cord SM LC-LC for UBT 10m	N	\$ 150.00	\$ 105.00
3CC52218BN	fiber cord SM LC-LC for UBT 25m	N	\$ 200.00	\$ 140.00
3CC52218BP	fiber cord SM LC-LC for UBT 50m	N	\$ 360.00	\$ 252.00
3CC52218BR	fiber cord SM LC-LC for UBT 80m	N	\$ 495.00	\$ 346.50
3CC52218BD	fiber cord SM LC-LC for UBT 100m	N	\$ 614.00	\$ 429.80
3CC52218BE	fiber cord SM LC-LC for UBT 120m	N	\$ 677.00	\$ 473.90
3CC52218BF	fiber cord SM LC-LC for UBT 140m	N	\$ 728.00	\$ 509.60
3CC52218BG	fiber cord SM LC-LC for UBT 160m	N	\$ 823.00	\$ 576.10
3CC52218BH	fiber cord SM LC-LC for UBT 180m	N	\$ 1,012.00	\$ 708.40
3CC52218BA	fiber cord SM LC-LC for UBT 200m	N	\$ 1,107.00	\$ 774.90
3CC52218BB	fiber cord SM LC-LC for UBT 250m	N	\$ 1,265.00	\$ 885.50
3CC52218BC	fiber cord SM LC-LC for UBT 300m	N	\$ 1,455.00	\$ 1,018.50
<b>UBT Installation Material - Fiber For UBT InterConnect</b>				
3CC52211BA	fiber cord MM LC-LC UBT-UBT 1m	N	\$ 105.00	\$ 73.50
3CC52211BE	fiber cord MM LC-LC UBT-UBT 2m	N	\$ 110.00	\$ 77.00
3CC52211BF	fiber cord MM LC-LC UBT-UBT 5m	N	\$ 114.00	\$ 79.80
3CC52211BB	fiber cord MM LC-LC UBT-UBT 10m	N	\$ 150.00	\$ 105.00
3CC52211BG	fiber cord MM LC-LC UBT-UBT 15m	N	\$ 155.00	\$ 108.50
3CC52211BC	fiber cord MM LC-LC UBT-UBT 20m	N	\$ 161.00	\$ 112.70
3CC52211BD	fiber cord MM LC-LC UBT-UBT 40m	N	\$ 240.00	\$ 168.00
<b>UBT Installation Material - Hybrid UBT Cable</b>				
1AB503120001	Hybrid UBT Cable - 4x4 Coax/Fiber - 120m	N	\$ 9,049.85	\$ 3,167.45
1AB503130001	Hybrid UBT Cable - 4x4 Coax/Fiber - 100m	N	\$ 7,870.85	\$ 2,754.80
1AB503140001	Hybrid UBT Cable - 4x4 Coax/Fiber - 80m	N	\$ 6,691.85	\$ 2,342.15
1AB503150001	Hybrid UBT Cable - 4x4 Coax/Fiber - 50m	N	\$ 4,923.35	\$ 1,723.17
1AB503160001	Hybrid UBT Cable - 4x4 Coax/Fiber - 25m	N	\$ 3,449.60	\$ 1,207.36
1AB503170001	Hybrid UBT Cable - 2x2 Coax/Fiber - 120m	N	\$ 7,107.00	\$ 2,487.45
1AB503180001	Hybrid UBT Cable - 2x2 Coax/Fiber - 80m	N	\$ 5,305.95	\$ 1,857.08
1AB503190001	Hybrid UBT Cable - 2x2 Coax/Fiber - 100m	N	\$ 6,206.50	\$ 2,172.28
1AB503200001	Hybrid UBT Cable - 2x2 Coax/Fiber - 50m	N	\$ 3,955.20	\$ 1,384.32
1AB503210001	Hybrid UBT Cable - 2x2 Coax/Fiber - 25m	N	\$ 2,829.55	\$ 990.34
HTPT-1-058-CT	Cutting Tool HYBRIFLEX 58 armor US	N	\$ 644.98	\$ 225.74
HTPT-1-078-CT	Cutting Tool HYBRIFLEX 78 armor US	N	\$ 695.03	\$ 243.26
HTRT-1-001-KIT	Ripcord removal kit US	N	\$ 475.02	\$ 166.26
<b>ASLM Capacity RTU - per UBT (single/twin)</b>				
3MU00177AAAA	RTU 50Mbps UBT-S Capacity	N	\$ 250.00	\$ 87.50
3MU00177ABAA	RTU 100Mbps UBT-S Capacity	N	\$ 3,000.00	\$ 1,050.00
3MU00177ACAA	RTU 160Mbps UBT-S Capacity	N	\$ 3,500.00	\$ 1,225.00
3MU00177ADAA	RTU 200Mbps UBT-S Capacity	N	\$ 4,000.00	\$ 1,400.00
3MU00177AEAA	RTU 300Mbps UBT-S Capacity	N	\$ 4,500.00	\$ 1,575.00
3MU00177AFAA	RTU 400Mbps UBT-S Capacity	N	\$ 5,000.00	\$ 1,750.00
3MU00177AGAA	RTU 600Mbps UBT-S Capacity	N	\$ 5,500.00	\$ 1,925.00
3MU00177AHAA	RTU 800Mbps UBT-S Capacity	N	\$ 6,000.00	\$ 2,100.00
3MU00177AJAA	RTU 1000Mbps UBT-S Capacity	N	\$ 6,500.00	\$ 2,275.00
3MU00177AKAA	RTU 300Mbps UBT-T Capacity	N	\$ 4,500.00	\$ 1,575.00
3MU00177ALAA	RTU 400Mbps UBT-T Capacity	N	\$ 5,000.00	\$ 1,750.00
3MU00177AMAA	RTU 600Mbps UBT-T Capacity	N	\$ 5,500.00	\$ 1,925.00
3MU00177ANAA	RTU 800Mbps UBT-T Capacity	N	\$ 6,000.00	\$ 2,100.00
3MU00177APAA	RTU 1Gbps UBT-T Capacity	N	\$ 6,500.00	\$ 2,275.00
3MU00177AQAA	RTU 1.5Gbps UBT-T Capacity	N	\$ 7,000.00	\$ 2,450.00
3MU00177ARAA	RTU 2Gbps UBT-T Capacity	N	\$ 7,500.00	\$ 2,625.00
3MU00177ASAA	RTU 1Gbps UBT-m Capacity	N	\$ 6,500.00	\$ 2,275.00
3MU00177ATAA	RTU 1.5Gbps UBT-m Capacity	N	\$ 7,000.00	\$ 2,450.00
3MU00177AUAA	RTU 2Gbps UBT-m Capacity	N	\$ 7,500.00	\$ 2,625.00
3MU00177AVAA	RTU 3Gbps UBT-m Capacity	N	\$ 8,000.00	\$ 2,800.00
3MU00177AWAA	RTU 4Gbps UBT-m Capacity	N	\$ 8,500.00	\$ 2,975.00
3MU00177AXAA	RTU 5Gbps UBT-m Capacity	N	\$ 9,000.00	\$ 3,150.00
3MU00177AYAA	RTU 6Gbps UBT-m Capacity	N	\$ 9,500.00	\$ 3,325.00
3MU00177AZAA	RTU 10Gbps UBT-m Capacity	N	\$ 10,000.00	\$ 3,500.00
<b>Optional Features per UBT</b>				

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

**MICROWAVE EQUIPMENT** **NOKIA**

3MU00177BAAA	RTU UBT-T 2nd TxRx activation	N	\$ 3,500.00	\$ 1,225.00
3MU00177BBAA	RTU UBT-m Large Channel Spacing	N	\$ 1,200.00	\$ 420.00
<b>Adaptive modulation - per UBT</b>				
3MU00177BDAA	RTU UBT-S Adp Mod	N	\$ 1,500.00	\$ 525.00
3MU00177BEAA	RTU UBT-T Adp Mod	N	\$ 1,500.00	\$ 525.00
3MU00177BFAA	RTU UBT-m Adp Mod Ad Bd Rate	N	\$ 1,500.00	\$ 525.00
<b>HQAM - per UBT</b>				
3MU00177BGAA	RTU UBT-S HQAM 2k/4k	N	\$ 1,000.00	\$ 350.00
3MU00177BHAA	RTU UBT-T HQAM 2k/4k	N	\$ 1,500.00	\$ 525.00
3MU00177BJAA	RTU UBT-m HQAM	N	\$ 1,000.00	\$ 350.00
<b>XPIC - per UBT</b>				
3MU00177BKAA	RTU UBT- S XPIC	N	\$ 1,200.00	\$ 420.00
3MU00177BLAA	RTU UBT-T XPIC	N	\$ 1,200.00	\$ 420.00
3MU00177BMAA	RTU UBT-m XPIC	N	\$ 1,200.00	\$ 420.00
<b>LAG/CA - per UBT link</b>				
3MU00177BNAA	RTU UBT CarrierAggreg. Multi freq	N	\$ 1,000.00	\$ 350.00
3MU00177BPAA	RTU UBT CarrierAggreg Eband+MW	N	\$ 1,500.00	\$ 525.00
<b>10G UBT</b>				
3MU00177DCAA	UBT-T 10G Full Outdoor	N	\$ 2,500.00	\$ 875.00
3MU00177DDAA	UBT-m 10G Full Outdoor	N	\$ 2,500.00	\$ 875.00
3MU00177DEAA	UBT-S 10G Full Outdoor	N	\$ 2,500.00	\$ 875.00
<b>Capacity Upgrades - per UBT</b>				
3MU00177BTAA	UBT-T Upgrade 300Mb to 400Mb	N	\$ 500.00	\$ 175.00
3MU00177BUAA	UBT-T Upgrade 400Mb to 600Mb	N	\$ 500.00	\$ 175.00
3MU00177BVAA	UBT-T Upgrade 600Mb to 800Mb	N	\$ 500.00	\$ 175.00
3MU00177BWAA	UBT-T Upgrade 800Mb to 1000Mb	N	\$ 500.00	\$ 175.00
3MU00177BXAA	UBT-T Upgrade 1000Mb to 1500Mb	N	\$ 500.00	\$ 175.00
3MU00177BYAA	UBT-T Upgrade 1500Mb to 2000Mb	N	\$ 500.00	\$ 175.00
3MU00177BZAA	UBT-m Upgrade 1000Mb to 1500Mb	N	\$ 500.00	\$ 175.00
3MU00177CAAA	UBT-m Upgrade 1500Mb to 2000Mb	N	\$ 500.00	\$ 175.00
3MU00177CBAA	UBT-m Upgrade 2000Mb to 3000Mb	N	\$ 500.00	\$ 175.00
3MU00177CCAA	UBT-m Upgrade 3000Mb to 4000Mb	N	\$ 500.00	\$ 175.00
3MU00177CDAA	UBT-m Upgrade 4000Mb to 5000Mb	N	\$ 500.00	\$ 175.00
3MU00177CEAA	UBT-m Upgrade 5000Mb to 6000Mb	N	\$ 500.00	\$ 175.00
3MU00177CFAA	UBT-m Upgrade 6000Mb to 10Gb	N	\$ 500.00	\$ 175.00
3MU00177CGAA	UBT-S Upgrade 50Mb to 100Mb	N	\$ 2,750.00	\$ 962.50
3MU00177CHAA	UBT-S Upgrade 100Mb to 160Mb	N	\$ 500.00	\$ 175.00
3MU00177CJAA	UBT-S Upgrade 160Mb to 200Mb	N	\$ 500.00	\$ 175.00
3MU00177CKAA	UBT-S Upgrade 200Mb to 300Mb	N	\$ 500.00	\$ 175.00
3MU00177CLAA	UBT-S Upgrade 300Mb to 400Mb	N	\$ 500.00	\$ 175.00
3MU00177CMAA	UBT-S Upgrade 400Mb to 600Mb	N	\$ 500.00	\$ 175.00
3MU00177CNAA	UBT-S Upgrade 600Mb to 800Mb	N	\$ 500.00	\$ 175.00
3MU00177CPAA	UBT-S Upgrade 800Mb to 1000Mb	N	\$ 500.00	\$ 175.00
<b>SDN</b>				
3MU00177DAAA	Wavence Netconf RTU	N	\$ 2,500.00	\$ 875.00
3MU00177DBAA	Wavence L3VPN RTU	N	\$ 2,500.00	\$ 875.00
3MU00177DHAA	Wavence Dynamic L3 OSPF RTU	N	\$ 2,500.00	\$ 875.00
<b>OCM</b>				
3MU00177DGAA	RTU OCM	N	\$ 2,500.00	\$ 875.00
<b>MISC</b>				
3MU00177DJAA	RTU TWAMP Responder	N	\$ 1,500.00	\$ 525.00
3MU00177DKAA	RTU Y.1731	N	\$ 1,500.00	\$ 525.00
<b>AES</b>				
3MU00177DLAA	RTU AES UBT-S Stand Alone	N	\$ 5,000.00	\$ 1,750.00
3MU00177DMAA	RTU AES UBT-T Stand Alone	N	\$ 5,000.00	\$ 1,750.00
<b>Factory Capacity RTU - per UBT (single/twin)</b>				
3MU00180AAAA	RTU 50Mbps UBT-S Capacity	N	\$ 250.00	\$ 87.50
3MU00180ABAA	RTU 100Mbps UBT-S Capacity	N	\$ 3,000.00	\$ 1,050.00

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

**MICROWAVE EQUIPMENT** **NOKIA**

3MU00180ACAA	RTU 160Mbps UBT-S Capacity	N	\$ 3,500.00	\$ 1,225.00
3MU00180ADAA	RTU 200Mbps UBT-S Capacity	N	\$ 4,000.00	\$ 1,400.00
3MU00180AEAA	RTU 300Mbps UBT-S Capacity	N	\$ 4,500.00	\$ 1,575.00
3MU00180AFAA	RTU 400Mbps UBT-S Capacity	N	\$ 5,000.00	\$ 1,750.00
3MU00180AGAA	RTU 600Mbps UBT-S Capacity	N	\$ 5,500.00	\$ 1,925.00
3MU00180AHAA	RTU 800Mbps UBT-S Capacity	N	\$ 6,000.00	\$ 2,100.00
3MU00180AJAA	RTU 1000Mbps UBT-S Capacity	N	\$ 6,500.00	\$ 2,275.00
3MU00180AKAA	RTU 300Mbps UBT-T Capacity	N	\$ 4,500.00	\$ 1,575.00
3MU00180ALAA	RTU 400Mbps UBT-T Capacity	N	\$ 5,000.00	\$ 1,750.00
3MU00180AMAA	RTU 600Mbps UBT-T Capacity	N	\$ 5,500.00	\$ 1,925.00
3MU00180ANAA	RTU 800Mbps UBT-T Capacity	N	\$ 6,000.00	\$ 2,100.00
3MU00180APAA	RTU 1Gbps UBT-T Capacity	N	\$ 6,500.00	\$ 2,275.00
3MU00180AQAA	RTU 1.5Gbps UBT-T Capacity	N	\$ 7,000.00	\$ 2,450.00
3MU00180ARAA	RTU 2Gbps UBT-T Capacity	N	\$ 7,500.00	\$ 2,625.00
3MU00180ASAA	RTU 1Gbps UBT-m Capacity	N	\$ 6,500.00	\$ 2,275.00
3MU00180ATAA	RTU 1.5Gbps UBT-m Capacity	N	\$ 7,000.00	\$ 2,450.00
3MU00180AUAA	RTU 2Gbps UBT-m Capacity	N	\$ 7,500.00	\$ 2,625.00
3MU00180AVAA	RTU 3Gbps UBT-m Capacity	N	\$ 8,000.00	\$ 2,800.00
3MU00180AWAA	RTU 4Gbps UBT-m Capacity	N	\$ 8,500.00	\$ 2,975.00
3MU00180AXAA	RTU 5Gbps UBT-m Capacity	N	\$ 9,000.00	\$ 3,150.00
3MU00180AYAA	RTU 6Gbps UBT-m Capacity	N	\$ 9,500.00	\$ 3,325.00
3MU00180AZAA	RTU 10Gbps UBT-m Capacity	N	\$ 10,000.00	\$ 3,500.00
<b>Optional Features per UBT</b>				
3MU00180BAAA	RTU UBT-T 2nd TxRx activation	N	\$ 3,500.00	\$ 1,225.00
3MU00180BBAA	RTU UBT-m Large Channel Spacing	N	\$ 1,200.00	\$ 420.00
<b>Adaptive modulation - per UBT</b>				
3MU00180BDAA	RTU UBT-S Adp Mod	N	\$ 1,500.00	\$ 525.00
3MU00180BEAA	RTU UBT-T Adp Mod	N	\$ 1,500.00	\$ 525.00
3MU00180BFAA	RTU UBT-m Adp Mod Ad Bd Rate	N	\$ 1,500.00	\$ 525.00
<b>HQAM - per UBT</b>				
3MU00180BGAA	RTU UBT-S HQAM 2k/4k	N	\$ 1,000.00	\$ 350.00
3MU00180BHAA	RTU UBT-T HQAM 2k/4k	N	\$ 1,500.00	\$ 525.00
3MU00180BJAA	RTU UBT-m HQAM	N	\$ 1,000.00	\$ 350.00
<b>XPIC - per UBT</b>				
3MU00180BKAA	RTU UBT- S XPIC	N	\$ 1,200.00	\$ 420.00
3MU00180BLAA	RTU UBT-T XPIC	N	\$ 1,200.00	\$ 420.00
3MU00180BMAA	RTU UBT-m XPIC	N	\$ 1,200.00	\$ 420.00
<b>LAG/CA - per UBT link</b>				
3MU00180BNAA	RTU UBT CarrierAggreg. Multi freq	N	\$ 1,000.00	\$ 350.00
3MU00180BPAA	RTU UBT CarrierAggreg Eband+MW	N	\$ 1,500.00	\$ 525.00
<b>StandAlone - UBT</b>				
3MU00180VAAA	RTU UBT-S Stand Alone	N	\$ 5,000.00	\$ 1,750.00
3MU00180VBAA	RTU UBT-T Stand Alone	N	\$ 5,000.00	\$ 1,750.00
3MU00180VCAA	RTU UBT-m Stand Alone	N	\$ 5,000.00	\$ 1,750.00
3MU00180VDAA	RTU UBT-I Stand Alone	N	\$ 5,000.00	\$ 1,750.00
<b>OCM - UBT</b>				
3MU00180DGAA	RTU OCM	N	\$ 2,500.00	\$ 875.00
<b>MISC - per UBT</b>				
3MU00180DJAA	RTU TWAMP Responder	N	\$ 1,500.00	\$ 525.00
3MU00180DKAA	RTU Y.1731	N	\$ 1,500.00	\$ 525.00
<b>L6Ghz OCM Body</b>				
3DB2888AA	OCM 5.9-6.95GHz 4Ch CP MAIN	N	\$ 13,846.00	\$ 4,846.10
3DB2889AA	OCM 5.9-6.95GHz 4Ch CP EXTENSION	N	\$ 13,340.00	\$ 4,669.00
3DB2890AA	OCM 5.9-6.95GHz 2x2Ch AP	N	\$ 13,225.00	\$ 4,628.75
<b>U6Ghz OCM Body</b>				
3DB28927AA	OCM 6U 4Ch CP MAIN	N	\$ 13,846.00	\$ 4,846.10
3DB28928AA	OCM 6U 4Ch CP EXTENSION	N	\$ 13,340.00	\$ 4,669.00
3DB28929AA	OCM 6U 2x2Ch AP	N	\$ 13,225.00	\$ 4,628.75
<b>11GHz OCM Body</b>				



**SCHEDULE B- PRICING**

**Contract # 18000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

**MICROWAVE EQUIPMENT** **NOKIA**

3DB28891AA	OCM 10.7-11.7GHz 4Ch CP MAIN	N	\$ 14,860.00	\$ 5,201.00
3DB28892AA	OCM 10.7-11.7GHz 4Ch CP EXTENSION	N	\$ 15,080.00	\$ 5,278.00
3DB28893AA	OCM 10.7-11.7GHz 2x2Ch AP	N	\$ 14,800.00	\$ 5,180.00
<b>6Ghz Filters</b>				
3DB76131AA	TUNED 6 CAV FILTER 5.90-6.20 GHz CH 30 MHz	N	\$ 892.00	\$ 312.20
3DB76132AA	TUNED 6 CAV FILTER 6.15-6.45 GHz CH 30 MHz	N	\$ 892.00	\$ 312.20
3DB76286AA	TUNED 6 CAV FILTER 6.4-6.75 GHz CH 30 MHz (BW 25.5MHz)	N	\$ 892.00	\$ 312.20
3DB76287AA	TUNED 6 CAV FILTER 6.7-7.1 GHz CH 30 MHz (BW 25.5 MHz)	N	\$ 892.00	\$ 312.20
3DB76113AA	RF Stacking Filter 5925-6175 MHz (XMT or RCV) 60 MHz	N	\$ 834.00	\$ 291.90
3DB76114AA	RF Stacking Filter 6175-6425 MHz (XMT or RCV) 60 MHz	N	\$ 834.00	\$ 291.90
3DB76197AA	REJECTION FILTER 3 cav. 6L INF	N	\$ 546.00	\$ 191.10
3DB76198AA	REJECTION FILTER 3 cav. 6L SUP	N	\$ 546.00	\$ 191.10
3DB76199AA	REJECTION FILTER 6 CAV. 6L INF (Only for Ch 60 MHz)	N	\$ 490.00	\$ 171.50
3DB76200AA	REJECTION FILTER 6 CAV. 6L SUP (Only for Ch 60 MHz)	N	\$ 490.00	\$ 171.50
<b>11Ghz Filters</b>				
3DB28982AA	FILTER 10.7-11.2 GHz Hardened 30Mhz	N	\$ 2,500.00	\$ 875.00
3DB28983AA	FILTER 11.2-11.7 GHz Hardened 30Mhz	N	\$ 2,500.00	\$ 875.00
3DB28984AA	FILTER 10.7-11.2 GHz Hardened 40Mhz	N	\$ 2,500.00	\$ 875.00
3DB28985AA	FILTER 11.2-11.7 GHz Hardened 40Mhz	N	\$ 2,500.00	\$ 875.00
3DB28991AA	FILTER 10.7-11.2 GHz Hardened 60Mhz	N	\$ 2,500.00	\$ 875.00
3DB28992AA	FILTER 11.2-11.7 GHz Hardened 60Mhz	N	\$ 2,500.00	\$ 875.00
3DB28996AA	FILTER 10.7-11.2 GHz Hardened 80Mhz	N	\$ 2,500.00	\$ 875.00
3DB28997AA	FILTER 11.2-11.7 GHz Hardened 80Mhz	N	\$ 2,500.00	\$ 875.00
<b>OCM Flex Twist to Antenna</b>				
1AF02951ABAA	Flex twist 5,85GHz-8,2GHz PDR70/UDR70 1m	N	\$ 759.00	\$ 265.65
1AF11977AAAA	Flex twist 7,05GHz-10GHz PDR84/UBR84 1m	N	\$ 759.00	\$ 265.65
3CC50018AA	Flex twist 8,2-12,4GHz PDR100/UBR100 1m	N	\$ 759.00	\$ 265.65
<b>Extension from 1m -&gt; 2m</b>				
1AF02951ABAA	Flex twist 5,85GHz-8,2GHz PDR70/UDR70 1m	N	\$ 759.00	\$ 265.65
3CC08010AB	Flex twist 7,05GHz-10GHz PBR84/UBR84 1m	N	\$ 759.00	\$ 265.65
1AF02957ABAA	Flex twist 8,2-12,4GHz PBR100/UBR100 1m	N	\$ 759.00	\$ 265.65
<b>Connection between OCM</b>				
<b>When two OCM must be interconnected, use one bend and one flex twist.</b>				
3CC50392AA	BEND H PLANE PDR70/UDR70 for OCM	N	\$ 418.00	\$ 146.30
3CC50393AA	BEND H PLANE PDR84/UDR84 for OCM	N	\$ 451.00	\$ 157.85
3CC50366AA	Flex twist 6 GHz WR137 PDR70/PDR70 1,2m for OCM	N	\$ 974.00	\$ 340.90
3CC50369AA	Flex twist WR112 PDR84/PDR84 7/8 GHz 1.2 m for OCM	N	\$ 809.00	\$ 283.15
3CC50370AA	Flex twist WR90 PDR100/PDR100 11 GHz 1.2 m for OCM	N	\$ 759.00	\$ 265.65

**END of Wavence Family Price Catalog**

**SCHEDULE B- PRICING****Contract # 180000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

**Motorola R56 Grounding and Router Integration**

<b>Part No</b>	<b>Description</b>	<b>Spare</b>	<b>MPSCS MSRP</b>	<b>MPSCS Unit Price</b>
1AD214130001	(Vertical) Universal grd bar kit SBVB72K/19" rack for R56	N	\$ 1,896.39	787.00
406645671	#6 Ground cable-KS22641L1, Per FT for R56	N	\$ 2.89	1.20
408406536	KIT-YA6C-L BOX PWR COMMO* for R56	N	\$ 2.94	1.22
901350322	SCR M-.25 IN 20 TPI 1 IN* for R56	N	\$ 0.36	0.15
407305549	WSHR LK-92147A029 SPLT 1* for R56	N	\$ 0.12	0.05
900327453	FLAT WASHER, STAINLESS STEEL, 1/4 INCH for R56	N	\$ 0.60	0.25
900329830	NUT-300 HEX SST .250-19 for R56	N	\$ 0.29	0.12
1AD212050001	3" stand-ff for SAR per set of 2 for Router Integration	N	\$ 124.10	51.50

**End of Grounding and Router Integration**

**SCHEDULE B- PRICING****Contract # 180000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

Customer Specific

**NOKIA**

<b>Customer Specific</b>				
<b>Part No</b>	<b>Description</b>	<b>Spare</b>	<b>MPSCS MSRP</b>	<b>MPSCS Unit Price</b>
1AD144370001	Standoff Bracket - 5.25"	N	\$ 100.00	\$ 41.50
3MU00179DM	W/G Adapter Type N-CPR-137G	N	\$ 1,800.00	\$ 747.00
3MU00179DP	Cable Assy 6 FT SMA TO Type N	N	\$ 225.00	\$ 93.38
1AB486850001	DSX-1 Module, 4xT1, with monitor (DFX-9T1000)	N	\$ 525.00	\$ 217.88
1AB486840001	DSX-1 Empty Chassis, 19",16 module capacity (DFX-9T0003)	N	\$ 825.00	\$ 342.38
<b>End of Customer Specific</b>				

**SCHEDULE B- PRICING**

**Contract # 180000**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

Network Management System



<b>TSM-8000 Network Management System</b>			
Part No	Description	MPSCS MSRP	MPSCS Unit Price
<b>TSM-8000 Fully Redundant Workstation Kit</b>			
3EM16790EP	Server Wkstm Kit, Win Server, 110 VAC	\$ 32,200.00	\$ 19,803.00
<b>TSM-8000 Single Client Workstation Kit</b>			
3EM16790BV	Single Client as Server Wkstm Kit, Win , 110 VAC	\$ 20,288.00	\$ 12,477.12
<b>TSM-8000 SNMP / TL1 Workstation Kit</b>			
3EM16790GW	Server Wkstm Kit, 1U, Win Server, 110 VAC	\$ 26,672.00	\$ 16,403.28
<b>TSM-8000 Server ONLY</b>			
3EM16790DH	Server workstation (rack mount) - with 17" LCD monitor, WIN Server OS 110 VAC	\$ 16,800.00	\$ 10,332.00
3EM16790GY	Server, 1U High (rack mount) SNMP Only, WIN Server OS 110 VAC	\$ 8,520.00	\$ 5,239.80
<b>SNMP Software</b>			
3EM16790BA	Server License, 24 NE Ltd, SNMP	\$ 13,800.00	\$ 8,487.00
3EM16790BB	Server License, 32 NE Ltd, SNMP	\$ 18,000.00	\$ 11,070.00
3EM16790BC	Server License, 64 NE Ltd, SNMP	\$ 30,000.00	\$ 18,450.00
3EM16790BD	Server License, 128 NE Ltd, SNMP	\$ 52,500.00	\$ 32,287.50
3EM16790FS	Server License, 256 NE Ltd, SNMP	\$ 69,750.00	\$ 42,896.25
3EM16790FM	Server License, 512 NE Ltd, SNMP	\$ 78,375.00	\$ 48,200.63
3EM16790BE	Server License, 1024 NE, SNMP	\$ 87,000.00	\$ 53,505.00
<b>MCS-11 + TL1 Software</b>			
3EM16790BF	Server License, 24 NE Ltd, MCS/TL1	\$ 10,500.00	\$ 6,457.50
3EM16790BG	Server License, 32 NE Ltd, MCS/TL1	\$ 13,500.00	\$ 8,302.50
3EM16790BH	Server License, 64 NE Ltd, MCS/TL1	\$ 19,500.00	\$ 11,992.50
3EM16790BJ	Server License, 128 NE Ltd, MCS/TL1	\$ 28,500.00	\$ 17,527.50
3EM16790FU	Server License, 256 NE Ltd, MCS-11/TL1	\$ 40,500.00	\$ 24,907.50
3EM16790FP	Server License, 512 NE Ltd, MCS-11/TL1	\$ 46,500.00	\$ 28,597.50
3EM16790BK	Server License, 1024 NE, MCS-11/TL1	\$ 52,500.00	\$ 32,287.50
<b>SNMP + MCS-11 + TL1 Software</b>			
3EM16790BL	Server License, 24 NE Ltd, SNMP/MCS/TL1	\$ 18,000.00	\$ 11,070.00
3EM16790BM	Server License, 32 NE Ltd, SNMP/MCS/TL1	\$ 25,500.00	\$ 15,682.50
3EM16790BN	Server License, 64 NE Ltd, SNMP & MCS/TL1	\$ 39,000.00	\$ 23,985.00
3EM16790BP	Server License, 128 NE Ltd, SNMP & MCS/TL1	\$ 66,000.00	\$ 40,590.00
3EM16790FT	Server License, 256 NE Ltd, SNMP & MCS/TL1	\$ 90,750.00	\$ 55,811.25
3EM16790FN	Server License, 512 NE Ltd, SNMP & MCS/TL1	\$ 103,125.00	\$ 63,421.88
3EM16790BQ	Server License, 1024 NE, SNMP & MCS/TL1	\$ 115,500.00	\$ 71,032.50
<b>SNMP Upgrade Pricing - From MCS-11+ TL1 to SNMP + MCS-11 + TL1</b>			
3EM16790CA	Client License and Software SNMP Upgrade	\$ 3,300.00	\$ 2,029.50
3EM16790CC	Server License Upgrade, 24 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$ 7,800.00	\$ 4,797.00
3EM16790CD	Server License Upgrade, 32 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$ 12,000.00	\$ 7,380.00
3EM16790CE	Server License Upgrade, 64 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$ 19,500.00	\$ 11,992.50
3EM16790CF	Server License Upgrade, 128 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$ 37,500.00	\$ 23,062.50
3EM16790FV	Server License Upgrade, 256 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$ 50,250.00	\$ 30,903.75
3EM16790FQ	Server License Upgrade, 512 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$ 56,625.00	\$ 34,824.38
3EM16790CG	Server License Upgrade, 1024 NE, MCS-11/TL1 to SNMP & MCS-11/TL1	\$ 63,000.00	\$ 38,745.00
<b>MCS-11+TL1 Upgrade Pricing - From SNMP Only to SNMP+ MC-11 + TL1</b>			
3EM16790CB	Client Log-in License, MCS-11/TL-1 Upgrade	\$ 3,000.00	\$ 1,845.00
3EM16790EY	Server License Upgrade, 24 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$ 4,500.00	\$ 2,767.50
3EM16790EW	Server License Upgrade, 32 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$ 7,500.00	\$ 4,612.50
3EM16790EV	Server License Upgrade, 64 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$ 10,500.00	\$ 6,457.50
3EM16790EU	Server License Upgrade, 128 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$ 15,000.00	\$ 9,225.00
3EM16790FW	Server License Upgrade, 256 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$ 22,500.00	\$ 13,837.50
3EM16790FR	Server License Upgrade, 512 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$ 26,250.00	\$ 16,143.75
3EM16790ET	Server License Upgrade, 1024 NE, SNMP to SNMP & MCS-11/TL1	\$ 30,000.00	\$ 18,450.00
<b>NE Upgrade - Only from same Software type</b>			
3EM16790HA	NE Upgrade 24 NE to 32 NE	\$ 4,680.00	\$ 2,878.20
3EM16790HB	NE Upgrade 32 NE to 64 NE	\$ 9,600.00	\$ 5,904.00
3EM16790HC	NE Upgrade 64 NE to 128 NE	\$ 19,800.00	\$ 12,177.00
3EM16790HD	NE Upgrade 128 NE to 256 NE	\$ 16,800.00	\$ 10,332.00
3EM16790HE	NE Upgrade 256 NE to 512 NE	\$ 8,400.00	\$ 5,166.00
3EM16790HF	NE Upgrade 512 NE to 1000 NE	\$ 8,400.00	\$ 5,166.00
<b>TSM-8000 Software Feature Options</b>			

3EM16790BS	SNMP Upstream Reporting	\$ 15,000.00	\$ 9,225.00
3EM16790GJ	Web Interface Feature, All Protocols	\$ 15,000.00	\$ 9,225.00
3EM16790HG	TSM-8000 Non-Nokia NE Support RTU	\$ 1,500.00	\$ 922.50
3EM16790HN	TSM-8000 Software Subscription	\$ 30,000.00	\$ 18,450.00
<b>TSM-8000 Client Software / Misc</b>			
3EM16790BR	Client Log-in License	\$ 10,800.00	\$ 6,642.00
<b>TSM-8000 Software Upgrades</b>			
3EM16790JD	TSM-8000 Version 8.0 Upgrade	\$ 12,000.00	\$ 7,380.00
3EM16790JE	TSM-8000 Version 18.0 Upgrade	\$ 12,000.00	\$ 7,380.00
3EM16790JF	TSM-8000 Version 18.1 Upgrade	\$ 12,000.00	\$ 7,380.00
3EM16790JG	TSM-8000 Version 19.0 Upgrade	\$ 12,000.00	\$ 7,380.00
3EM16790JH	TSM-8000 Version 19.1 Upgrade	\$ 12,000.00	\$ 7,380.00
3EM16790JJ	TSM-8000 Version 20.0 Upgrade	\$ 12,000.00	\$ 7,380.00
3EM16790JK	TSM-8000 Version 20.1 Upgrade	\$ 12,000.00	\$ 7,380.00
<b>TSM-8000 Client Workstations - Optional</b>			
3EM16790AC	Client workstation (tower) - Non-redundant, with 19" LCD monitor, WIN XP PRO, 110 VAC	\$ 8,400.00	\$ 5,166.00
<b>TSM-8000 Spares Kits</b>			
3EM16790EJ	Server Spares Kit	\$ 7,618.00	\$ 4,685.07
3EM16790EK	Client Spares Kit	\$ 2,844.00	\$ 1,749.06
<b>Standard Workstation Accessories</b>			
3EM16790AG	Server LAN Switch, 16 Ports, 110 VAC	\$ 840.00	\$ 516.60
3EM16790AJ	Cable set	\$ 360.00	\$ 221.40
<b>Server Workstation Spares</b>			
3EM16790AL	Server Motherboard, incl. video and NIC functions	\$ 1,020.00	\$ 627.30
3EM16790AM	Server Processor w/Fan	\$ 744.00	\$ 457.56
3EM16790AN	Server Memory 1024MB ea	\$ 504.00	\$ 309.96
3EM16790CW	Server Removable Hard Drive (cloned)	\$ 2,700.00	\$ 1,660.50
3EM16790GM	Hard Drive Bay Spare	\$ 480.00	\$ 295.20
3EM16790AQ	Server Removable Power Supply	\$ 816.00	\$ 501.84
3EM16790AS	Server 4 Port Serial Card	\$ 1,020.00	\$ 627.30
3EM16790CV	Server Dual Power Supply w/Cage	\$ 1,488.00	\$ 915.12
3EM16790HL	Server 8 port Serial Card	\$ 2,148.00	\$ 1,321.02
<b>Spare Server/Client Computers</b>			
3EM16790FB	Spare Server computer (rack mount) - with keyboard, WIN 2003, 110 VAC	\$ 14,808.00	\$ 9,106.92
<b>Monitors</b>			
3EM16790EE	Server Monitor, LCD, 17", with bezel, 110 VAC	\$ 1,992.00	\$ 1,225.08
3EM16790EG	Client/TSM2532 Monitor, LCD, 19", 110 VAC	\$ 2,640.00	\$ 1,623.60
<b>Client Workstation Spares</b>			
3EM16790AT	Client Motherboard	\$ 540.00	\$ 332.10
3EM16790AU	Client Processor w/Fan	\$ 576.00	\$ 354.24
3EM16790AV	Client Memory 512MB ea	\$ 264.00	\$ 162.36
3EM16790EC	Client Hard Drive (cloned)	\$ 740.00	\$ 455.10
3EM16790AY	Client Power Supply	\$ 240.00	\$ 147.60
3EM16790AZ	Client Network Card	\$ 264.00	\$ 162.36
3EM16790ED	Client Video Card	\$ 420.00	\$ 258.30
<b>Polling Engine</b>			
3EM16790CL	Model 2601, MCS-11 Polling Engine, Linear, TSM-8000 only, 110 VAC	\$ 5,040.00	\$ 3,099.60
3EM16790CQ	Model 2603, MCS-11 Polling Engine, High Stability Clk, Linear, TSM-8000 only, 110 VAC	\$ 5,520.00	\$ 3,394.80
<b>IP Tunnels</b>			
3EM18968BQ	Model 2701, IP Tunnel, 1 port	\$ 4,800.00	\$ 2,952.00
3EM18968BR	Model 2705, IP Tunnel, 5 port	\$ 5,760.00	\$ 3,542.40
<b>Alarm Encoders</b>			
3EM18968BF	Model 2311, SNMP Alarm Encoder	\$ 4,320.00	\$ 2,656.80
3EM18968BG	Model 2311, SNMP Alarm Encoder with analog option	\$ 5,760.00	\$ 3,542.40
3EM18968DU	Model 2314, SNMP Alarm Encoder	\$ 2,040.00	\$ 1,254.60
3EM18968DY	Model 2316, SNMP Alarm Encoder	\$ 4,000.00	\$ 2,460.00
3EM18968DV	2314 66M Punch Block w/ 5ft cable	\$ 475.00	\$ 292.13
3EM18968DW	2314 66M Punch Block w/ 25ft cable	\$ 500.00	\$ 307.50

END of TSM-8000 Price Catalog

SCHEDULE B- PRICING

Contract # 18000000497

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

Integrated Antenna Systems



Wavence UBT INTEGRATED ANTENNAS FROM RFS

Part Number	Model	Frequency Band	Description	Size (ft)	# Struts	Pol	MPSCS MSRP	MPSCS Unit Price
10046179	SB4-W60E3UBTR	5.925 - 7.125	Ant int UBT 4ft 6GHz SP	4	1	Single	\$ 6,655.00	\$ 2,994.75
10046187	SB4-W60E3UBTC	5.925 - 7.125	Ant int UBT 4ft 6GHz DP	4	1	Dual	\$ 3,955.00	\$ 1,779.75
10046195	SB6-W60D2UBTR	5.925 - 7.125	Ant int UBT 6ft 6GHz SP	6	1	Single	\$ 8,603.00	\$ 3,871.35
10046202	SB6-W60D2UBTC	5.925 - 7.125	Ant int UBT 6ft 6GHz DP	6	1	Dual	\$ 8,603.00	\$ 3,871.35
10046209	SC3-W60BUBTR	5.925 - 7.125	Ant int UBT 3ft 6GHz SP	3	0	Single	\$ 2,202.00	\$ 990.90
10046875	SC2-W100CUBTR	10 - 11.7	Ant UBT Int 2ft 10/11 GHz SP	2	0	Single	\$ 1,292.00	\$ 581.40
10046887	SC2-W100CUBTC	10 - 11.7	Ant UBT Int 2ft 10/11 GHz DP	2	0	Dual	\$ 1,292.00	\$ 581.40
10046211	SC3-W100BUBTR	10 - 11.7	Ant UBT Int 3ft 10/11 GHz SP	3	0	Single	\$ 2,571.00	\$ 1,156.95
10046219	SC3-W100BUBTC	10 - 11.7	Ant UBT Int 3ft 10/11 GHz DP	3	0	Dual	\$ 2,571.00	\$ 1,156.95
10046181	SB4-W100EUBTR	10 - 11.7	Ant UBT Int 4ft 10/11 GHz SP	4	1	Single	\$ 4,250.00	\$ 1,912.50
10046189	SB4-W100EUBTC	10 - 11.7	Ant UBT Int 4ft 10/11 GHz DP	4	1	Dual	\$ 4,250.00	\$ 1,912.50
10046197	SB6-W100D2UBTR	10 - 11.7	Ant UBT Int 6ft 10/11 GHz SP	6	1	Single	\$ 7,752.00	\$ 3,488.40
10046204	SB6-W100D2UBTC	10 - 11.7	Ant UBT Int 6ft 10/11 GHz DP	6	1	Dual	\$ 7,752.00	\$ 3,488.40
10046161	SC1-127AUBTR	12.75 - 13.25	Ant UBT Int 1ft 13 GHz SP	1	0	Single	\$ 1,051.00	\$ 472.95
10046170	SC1-127AUBTC	12.75 - 13.25	Ant UBT Int 1ft 13 GHz DP	1	0	Dual	\$ 1,051.00	\$ 472.95
10046876	SC2-127CUBTR	12.75 - 13.25	Ant UBT Int 2ft 13 GHz SP	2	0	Single	\$ 1,308.00	\$ 588.60
10046888	SC2-127CUBTC	12.75 - 13.25	Ant UBT Int 2ft 13 GHz DP	2	0	Dual	\$ 1,308.00	\$ 588.60
10046212	SC3-127BUBTR	12.75 - 13.25	Ant UBT Int 3ft 13 GHz SP	3	0	Single	\$ 2,230.00	\$ 1,003.50
10046220	SC3-127BUBTC	12.75 - 13.25	Ant UBT Int 3ft 13 GHz DP	3	0	Dual	\$ 2,230.00	\$ 1,003.50
10046182	SB4-127EUBTR	12.75 - 13.25	Ant UBT Int 4ft 13 GHz SP	4	1	Single	\$ 3,953.00	\$ 1,778.85
10046190	SB4-127EUBTC	12.75 - 13.25	Ant UBT Int 4ft 13 GHz DP	4	1	Dual	\$ 3,953.00	\$ 1,778.85
10046198	SB6-127D2UBTR	12.75 - 13.25	Ant UBT Int 6ft 13 GHz SP	6	1	Single	\$ 7,310.00	\$ 3,289.50
10046205	SB6-127D2UBTC	12.75 - 13.25	Ant UBT Int 6ft 13 GHz DP	6	1	Dual	\$ 7,310.00	\$ 3,289.50
10046162	SC1-142AUBTR	14.2 - 15.35	Ant UBT Int 1ft 15 GHz SP	1	0	Single	\$ 741.00	\$ 333.45
10046171	SC1-142AUBTC	14.2 - 15.35	Ant UBT Int 1ft 15 GHz DP	1	0	Dual	\$ 741.00	\$ 333.45
10046877	SC2-142CUBTR	14.2 - 15.35	Ant UBT Int 2ft 15 GHz SP	2	0	Single	\$ 1,003.00	\$ 451.35
10046889	SC2-142CUBTC	14.2 - 15.35	Ant UBT Int 2ft 15 GHz DP	2	0	Dual	\$ 1,003.00	\$ 451.35
10046213	SC3-142BUBTR	14.2 - 15.35	Ant UBT Int 3ft 15 GHz SP	3	0	Single	\$ 2,002.00	\$ 900.90
10046221	SC3-142BUBTC	14.2 - 15.35	Ant UBT Int 3ft 15 GHz DP	3	0	Dual	\$ 2,002.00	\$ 900.90
10046183	SB4-142EUBTR	14.2 - 15.35	Ant UBT Int 4ft 15 GHz SP	4	1	Single	\$ 3,094.00	\$ 1,392.30
10046191	SB4-142EUBTC	14.2 - 15.35	Ant UBT Int 4ft 15 GHz DP	4	1	Dual	\$ 3,094.00	\$ 1,392.30
10046199	SB6-142D2UBTR	14.2 - 15.35	Ant UBT Int 6ft 15 GHz SP	6	1	Single	\$ 7,356.00	\$ 3,310.20
10046206	SB6-142D2UBTC	14.2 - 15.35	Ant UBT Int 6ft 15 GHz DP	6	1	Dual	\$ 7,356.00	\$ 3,310.20
10046163	SC1-190AUBTR	17.7 - 19.7	Ant UBT Int 1ft 18 GHz SP	1	0	Single	\$ 741.00	\$ 333.45
10046172	SC1-190AUBTC	17.7 - 19.7	Ant UBT Int 1ft 18 GHz DP	1	0	Dual	\$ 757.00	\$ 340.65
10046878	SC2-190CUBTR	17.7 - 19.7	Ant UBT Int 2ft 18 GHz SP	2	0	Single	\$ 961.00	\$ 432.45
10046890	SC2-190CUBTC	17.7 - 19.7	Ant UBT Int 2ft 18 GHz DP	2	0	Dual	\$ 961.00	\$ 432.45
10046214	SC3-190BUBTR	17.7 - 19.7	Ant UBT Int 3ft 18 GHz SP	3	0	Single	\$ 2,057.00	\$ 925.65
10046222	SC3-190BUBTC	17.7 - 19.7	Ant UBT Int 3ft 18 GHz DP	3	0	Dual	\$ 2,057.00	\$ 925.65
10046184	SB4-190EUBTR	17.7 - 19.7	Ant UBT Int 4ft 18 GHz SP	4	1	Single	\$ 3,086.00	\$ 1,388.70
10046192	SB4-190EUBTC	17.7 - 19.7	Ant UBT Int 4ft 18 GHz DP	4	1	Dual	\$ 3,094.00	\$ 1,392.30
10046200	SB6-190D2UBTR	17.7 - 19.7	Ant UBT Int 6ft 18 GHz SP	6	1	Single	\$ 7,344.00	\$ 3,304.80
10046207	SB6-190D2UBTC	17.7 - 19.7	Ant UBT Int 6ft 18 GHz DP	6	1	Dual	\$ 7,344.00	\$ 3,304.80
10046164	SC1-220AUBTR	21.2 - 23.6	Ant UBT Int 1ft 23 GHz SP	1	0	Single	\$ 741.00	\$ 333.45
10046173	SC1-220AUBTC	21.2 - 23.6	Ant UBT Int 1ft 23 GHz DP	1	0	Dual	\$ 727.00	\$ 327.15
10046891	SC2-220CUBTR	21.2 - 23.6	Ant UBT Int 2ft 23 GHz DP	2	0	Dual	\$ 969.00	\$ 436.05
10046215	SC3-220BUBTR	21.2 - 23.6	Ant UBT Int 3ft 23 GHz DP	3	0	Single	\$ 1,862.00	\$ 837.90
10046223	SC3-220BUBTC	21.2 - 23.6	Ant UBT Int 3ft 23 GHz DP	3	0	Dual	\$ 1,862.00	\$ 837.90
10046193	SB4-220EUBTR	21.2 - 23.6	Ant UBT Int 4ft 23 GHz DP	4	1	Dual	\$ 3,052.00	\$ 1,373.40
10046201	SB6-220D2UBTR	21.2 - 23.6	Ant UBT Int 6ft 23 GHz SP	6	1	Single	\$ 7,344.00	\$ 3,304.80
10046208	SB6-220D2UBTC	21.2 - 23.6	Ant UBT Int 6ft 23 GHz DP	6	1	Dual	\$ 7,344.00	\$ 3,304.80
10046165	SC1-250AUBTR	24.25 - 26.5	Ant UBT Int 1ft 26 GHz SP	1	0	Single	\$ 1,050.00	\$ 472.50
10046174	SC1-250AUBTC	24.25 - 26.5	Ant UBT Int 1ft 26 GHz DP	1	0	Dual	\$ 1,057.00	\$ 475.65
10046880	SC2-250CUBTR	24.25 - 26.5	Ant UBT Int 2ft 26 GHz SP	2	0	Single	\$ 1,282.00	\$ 576.90
10046892	SC2-250CUBTC	24.25 - 26.5	Ant UBT Int 2ft 26 GHz DP	2	0	Dual	\$ 1,282.00	\$ 576.90
10046216	SC3-250BUBTR	24.25 - 26.5	Ant UBT Int 3ft 26 GHz SP	3	0	Single	\$ 2,292.00	\$ 1,031.40
10046224	SC3-250BUBTC	24.25 - 26.5	Ant UBT Int 3ft 26 GHz DP	3	0	Dual	\$ 2,292.00	\$ 1,031.40
10046186	SB4-250EUBTR	24.25 - 26.5	Ant UBT Int 4ft 26 GHz SP	4	1	Single	\$ 3,994.00	\$ 1,797.30
10046194	SB4-250EUBTC	24.25 - 26.5	Ant UBT Int 4ft 26 GHz DP	4	1	Dual	\$ 3,994.00	\$ 1,797.30
10046166	SC1-280AUBTR	27.5 - 29.5	Ant UBT Int 1ft 28 GHz SP	1	0	Single	\$ 741.00	\$ 333.45
10046175	SC1-280AUBTC	27.5 - 29.5	Ant UBT Int 1ft 28 GHz DP	1	0	Dual	\$ 850.00	\$ 382.50
10046881	SC2-280CUBTR	27.5 - 29.5	Ant UBT Int 2ft 28 GHz SP	2	0	Single	\$ 1,288.00	\$ 579.60
10046834	SC2-280CUBTC	27.5 - 29.5	Ant UBT Int 2ft 28 GHz DP	2	0	Dual	\$ 1,288.00	\$ 579.60
10046168	SC1-380AUBTR	37.0 - 39.5	Ant UBT Int 1ft 38 GHz SP	1	0	Single	\$ 741.00	\$ 333.45
10046177	SC1-380AUBTC	37.0 - 39.5	Ant UBT Int 1ft 38 GHz DP	1	0	Dual	\$ 748.00	\$ 336.60
10046884	SC2-380CUBTR	37.0 - 39.5	Ant UBT Int 2ft 38 GHz SP	2	0	Single	\$ 978.00	\$ 440.10
10046836	SC2-380CUBTC	37.0 - 39.5	Ant UBT Int 2ft 38 GHz DP	2	0	Dual	\$ 978.00	\$ 440.10
10046169	SC1-420AUBTR	40.5 - 43.5	Ant UBT Int 1ft 42 GHz SP	1	0	Single	\$ 1,050.00	\$ 472.50
10046178	SC1-420AUBTC	40.5 - 43.5	Ant UBT Int 1ft 42 GHz DP	1	0	Dual	\$ 1,050.00	\$ 472.50
10046885	SC2-420CUBTR	40.5 - 43.5	Ant UBT Int 2ft 42 GHz SP	2	0	Single	\$ 1,282.00	\$ 576.90
10046837	SC2-420CUBTC	40.5 - 43.5	Ant UBT Int 2ft 42 GHz DP	2	0	Dual	\$ 1,282.00	\$ 576.90
10046957	SB1-W800CUBT-FCC	71 - 86	Ant UBT Int 1ft 80 GHz SP - FCC	1	0	Single	\$ 1,488.00	\$ 669.60
10046955	SB1-W800CUBT	71 - 86	Ant UBT Int 1ft 80 GHz SP	1	0	Single	\$ 1,377.00	\$ 619.65
10047070	SBX1-W800CUBT	71 - 86	Ant UBT Int 1ft DP 80 GHz (with OMT)	1	0	Dual	\$ 4,412.00	\$ 1,985.40
10048893	SBX1-W800CUBT-FCC	71 - 86	Ant UBT Int 1ft DP 80 GHz (with OMT) - FCC	1	0	Dual	\$ 4,522.00	\$ 2,034.90
10046956	SC2-W800BUBT	71 - 86	Ant UBT Int 2ft 80 GHz SP	2	0	Single	\$ 1,921.00	\$ 864.45
10047071	SCX2-W800BUBT	71 - 86	Ant UBT Int 2ft DP 80 GHz (with OMT)	2	0	Dual	\$ 4,955.00	\$ 2,229.75

End of Integrated Antenna Systems Price Catalog







IAF06466AAA		VSTRUT-P3KIT,Inner, 4'-6' antenna, 5' pipe	\$	650.00	\$292.50
IAF29408AAA		Non-Penetrating Tripod (TRPD1 / TRPD-HD)	\$	4,354.00	\$1,959.30
IAF26069AAA		4-1/2" x 126" Mast Pipe (P4126)	\$	975.00	\$438.75
IAF29407AAA		1/2"x18"x48" Rubber Mat (6 Required) (MAT18)	\$	97.00	\$43.65
IAF29406AAA		Ballast Tie Down Kit (3 Required) (BHD-K)	\$	171.80	\$77.31
3003358		TUBING, POLYURETHANE 3/8 OD X .245 (per ft)	\$	9.03	\$4.06
409082377		BOOT-BAZERO PROT RUB 4IN 4IN BK	\$	80.20	\$36.09
IAF29406AAA		Ballast Tie Down Kit	\$	171.80	\$77.31
IAF29407AAA		Rubber Mat 1/2inch x 18inch x 48inch	\$	99.00	\$44.55
IAF29408AAA		Heavy-Duty Non-Penetrating Tri	\$	4,364.00	\$1,963.80
WPGG-1		KIT WTHPRF CONNS&SPlice	\$	49.42	\$22.24
15347601		GKIT E220 Grounding Kit 0.25m Wire	\$	130.48	\$58.72
IAD127790001		Hanger Kit for EW180/EW220/EW240 (43211A) (10 pack)	\$	56.90	\$25.61
IAD082220001		PIPE, P2126, SCHEDULE 40 PLAIN END HOT	\$	243.00	\$109.35
SNAP-ST-158		Hanger, Stackable 1-5/8 10 Kit	\$	70.00	\$31.50
409085024		Cable, 25-pr, Conn -Conn, 25, RTU -66 Blk	\$	425.20	\$191.34
3CC50097AB		Fiber storage -pole/wall mount (100m) GR3108	\$	319.26	\$143.67
15006830-STD		FLEXWELL Elliptical Waveguide, 21.2 - 23.6 GHz (Per Ft) E220J	\$	72.87	\$32.79
15347020		Connector FLEXWELL waveguide PBR220	\$	562.52	\$253.13
1534702		Wall Feed Through for FLEXWELL Elliptical Waveguide E220/EO38	\$	130.48	\$58.72
IAF25375AAAA		Hanger Kit with three holes for EW90 wav	\$	226.75	\$102.04
HOIST1-114L		Grip Hoisting L114 E65 Lace-Up	\$	60.62	\$27.28
HOIST1-158L		Grip Hoisting L158 E60 Lace-Up	\$	83.72	\$37.67
<b>Twistflex, Hanger Kits and Accessories</b>					
916705-W		Twistflex hanger kit WR90 (916705)	\$	139.51	\$62.78
IAF15840AAAA		Twistflex Hanger Kit WR42 (PBR220) - RFS does not have a 220 hanger - Andrew part: (244106A-220)	\$	116.90	\$52.61
916933-W		Twistflex hanger kit WR37 (916933)	\$	209.23	\$94.15
400015		3ft Twistflex (TF137-CCI-036) - CPR137G/CPR137G	\$	895.51	\$402.98
400125		3ft Twistflex (TF090-CCI-036) - CPR90G/CPR90G	\$	805.49	\$362.47
10038689		Twistflex Flexible Waveguide for Microwave Radio System, 11GHz, 1.2m TF R 220 PBR/UBR 18.0-26.5	\$	494.97	\$222.74
400013		1ft Twistflex (TF137-CCI-012D) - CPR137G/CPR137G	\$	715.47	\$321.96
916626		CLAMP SNAP-IN LCF158 Stack Kit 10 - HANGER, STACKABLE 1-5/8 10 KIT	\$	70.00	\$31.50
HOIST2-L01		Hoisting Grip (HOIST2-L01) - Lace-up, 2 loop	\$	210.56	\$94.75
<b>Times Microwave Systems (TMS) LMR Parts and Accessories</b>					
IAC014320002		LMR400 (HS: 2 runs, NS: 1 run) + (if non-integ, dual pol and 2 channels: 2 runs) (TMS)	\$	10.40	\$4.68
IAB095530045		PPC Connector (compression) - straight male (3 per LMR run) (TMS)	\$	85.45	\$38.45
IAB095530046		PPC Connector (compression) - straight female (1 per LMR run) (TMS)	\$	80.50	\$36.23
IAB383930001		PPC Compression Tool (1 per deployment) (TMS)	\$	2,451.45	\$1,103.15
IAB350440001		LMR grounding kit (GKS400TT) (TMS)	\$	141.75	\$63.79
<b>SitePro1 (Valmont) Ice Shields, Tieback Steel, Parts and Accessories</b>					
409081593		Valmont flat Ice Shield - 4ft (ISMD4, 800250) ADD PIPE MOUNT	\$	4,554.00	\$2,049.30
409081601		Valmont flat Ice Shield - 6ft (ISMD6, 800251) ADD PIPE MOUNT	\$	6,050.00	\$2,722.50
409081619		Valmont flat Ice Shield - 8ft (ISMD8, 800252) ADD PIPE MOUNT AND WELDMENT	\$	7,634.00	\$3,435.30
IAF19234AAAA		Valmont flat Ice Shield - 10ft (ISMD10, 800253) ADD PIPE MOUNT AND WELDMENT	\$	9,526.00	\$4,286.70
409108073		Valmont Pipe Mount Extension weldment for Ice Shields (PME2, B1935)	\$	686.40	\$308.88
IAF24588AAAA		Valmont ice shield KIT - 4ft (ISMD4-R5LL = 800250 (ice shield) + 409081365 (leg mount))	\$	6,468.00	\$2,910.60
IAF24589AAAA		Valmont ice shield KIT - 6ft (ISMD6-R5LL = 800251 (ice shield) + 409081365 (leg mount))	\$	7,920.00	\$3,564.00
IAF24587AAAA		Valmont ice shield KIT - 8ft (ISMD8-R5LL = 800252 (ice shield) + 409081365 (leg mount))	\$	9,455.60	\$4,255.02
IAF24586AAAA		Valmont ice shield KIT - 10ft (ISMD10-R5LL = 800253 (ice shield) + 409081365 (leg mount))	\$	11,290.40	\$5,080.68
IAF28451AAAA		Tieback Steel - Bulk Angle 4" X 4" X 1/2" X 20" (ANG414) - (1 per antenna)	\$	1,219.00	\$548.55
IAF03676ABAA		Bulk Pipe (for pipe mount) - 4 1/2" x 72" (Valmont: P472)	\$	575.00	\$258.75
IAF22298AAAA		4 1/2" Universal Ring Mount (Valmont: 801068, LWRM) - PREFERRED - 1 required for 3' or smaller antennas	\$	3,036.00	\$1,366.20
409081494		MTG-B1656 BRKT 0IN 0IN STL CHN MNT *	\$	899.00	\$404.55
IAF25795AAAA		FLUSH MOUNT ADAPTER DUAL LEVEL	\$	747.00	\$336.15
<b>SitePro1 (Valmont) Misc. Microwave Parts and Accessories</b>					
409081510		LMR Cushion Hanger (4 hole) - (Valmont: B1676, SRLR44-K) - complete with clamp and clamp head (5 per package)	\$	107.60	\$48.42
IAD173640001		BRL Cushion BC141X 1-5/8,10@0.24,10p (Valmont BC1410)	\$	108.00	\$48.60

END of NON-INTEGRATED ANTENNA SYSTEMS Price Catalog



Commscope Antenna Systems

9500 MPR COMMSCOPE ANTENNA SYSTEMS							
Part No	CommScope P/N	Frequency Band	Description	Size (ft)	# Struts	MPSCS MSRP	MPSCS Unit Price
1AF32561AAAA	SHP3-6W-6WH/A	5.925-7.125	Microwave Ant. 6GHz 3ft SHP3-6W-6WH/A	3	0	\$ 5,975.00	\$2,987.50
1AF21072AAAA	VHLP4-6W-6WH/B	5.925-7.125	ANT VHLP4-6W-6WH/C 4FT 5.9-7.1 CPR137G	4	0	\$ 6,447.00	\$3,223.50
1AF21838AAAA	VHLPX4-6W-6WH/A	5.925-7.125	VHLPX4-6W-6WH - 4' Hi Perf. Dual Pol A	4	0	\$ 6,573.00	\$3,286.50
1AF31728ABAA	HX6-6W-6GR	5.925-7.125	Microwave Antenna, 6GHz, HX6-6W-6GR	6	1	\$ 9,519.00	\$4,759.50
1AF20097AAAA	VHLPX6-6W-6WH/A	5.925-7.125	ANT*HP Ant 6GHz*1.8m*Dual 1.8d	6	1	\$ 14,228.90	\$7,114.45
1AF20657AAAA	VHLP6-6W-6WH/A	5.925-7.125	VHLP6-6W-6WH/B ANT/N 1.8M Pol-sing.	6	1	\$ 9,495.00	\$4,747.50
1AF31753AAAA	VHLPX6-6W-6WH/B	5.925-7.125	ANT VHLPX 6FT Dual-pol 5.925-7.125GHz	6	1	\$ 13,481.90	\$6,740.95
1AF31775AAAA	USX6-6W-6GR	5.925-7.125	Microwave Antenna, 6GHz, USX6-6W-6GR	6	1	\$ 13,000.00	\$6,500.00
1AF31727ABAA	HX8-6W-6GR	5.925-7.125	Microwave Antenna, 6GHz, 8FL HX8-6W-6GR	8	1	\$ 13,000.00	\$6,500.00
1AF31900AAAA	USX8-6W-6GR	5.925-7.125	Microwave Antenna, 6GHz, 8FL USX8-6W-6GR	8	1	\$ 17,000.00	\$8,500.00
1AK18988AAAA	USX10-6W-6GR	5.925-7.125	Microwave Antenna, 6GHz, USX10-6W-6GR	10	2	\$ 24,500.00	\$12,250.00
1AF32586AAAA	USX12-6W-6GR	5.925-7.125	Microwave Ant, 6GHz, 12FT, USX12-6W-6GR	12	2	\$ 31,250.00	\$15,625.00
3CC57029AA	VHLP4-6W-AUBTR	5.925-7.125	Ant UBT Int 4ft 6 GHz SP A.	4	0	\$ 2,802.75	\$1,401.38
3CC57037AA	VHLP4-6W-AUBTC	5.925-7.125	Ant UBT Int 4ft 6 GHz DP A.	4	0	\$ 2,802.75	\$1,401.38
3CC57096AA	VHLPX4-6W-AUBTR	5.925-7.125	Ant UBT Int 4ft 6 GHz (with OMT) A.	4	0	\$ 3,718.50	\$1,859.25
3CC57051AA	VHLP6-6W-AUBTR	5.925-7.125	Ant UBT Int 6ft 6 GHz SP A.	6	1	\$ 5,189.25	\$2,594.63
3CC57058AA	VHLP6-6W-AUBTC	5.925-7.125	Ant UBT Int 6ft 6 GHz DP A.	6	1	\$ 5,189.25	\$2,594.63
3CC57104AA	VHLPX6-6W-AUBTR	5.925-7.125	Ant UBT Int 6ft 6 GHz (with OMT) A.	6	1	\$ 6,188.25	\$3,094.13
1AF32560AAAA	VHLP2-11W-6WH/A	10.7-11.7	Microwave Ant. 11GHz 2ft VHLP2-11W-6WH/A	2	0	\$ 2,365.00	\$1,182.50
1AF09221AAAA	VHLP3-11W-AW1	10.7-11.7	VHLP3-11W-AW1A-3' HP,HC Integ.SP,Radome	3	0	\$ 2,750.00	\$1,375.00
1AF20518AAAA	VHLPX3-11W-6WH	10.7-11.7	Ant HP 3ft DP 10.125-11.7GHz CPR90G	3	0	\$ 4,200.00	\$2,100.00
1AF20754AYAA	VHLP3-11W-6WH	10.7-11.7	VHLP3-11W-6WH/A-3' HP SP,Radome NO strut	3	0	\$ 4,250.00	\$2,125.00
1AF23936AAAA	VHLP4-11W-6WH	10.7-11.7	ANTENNA 4FT HP SP 11GHz VHLP4-11W-6WH/A	4	0	\$ 6,575.00	\$3,287.50
1AF24251AAAA	VHLPX4-11W-6WH	10.7-11.7	ANTENNA 4FT HP DP 11GHz VHLPX4-11W-6WH	4	0	\$ 6,573.00	\$3,286.50
1AF10741ABAA	VHLP6-11W-6WH/A	10.7-11.7	ValuLine Antenna 6ft, VHLP6-11W-6WH/A	6	1	\$ 9,514.00	\$4,757.00
1AF31774AAAA	USX6-11W-6GR	10.7-11.7	Microwave Antenna, 11GHz, USX6-11W-6GR	6	1	\$ 13,000.00	\$6,500.00
1AF31902AAAA	USX8-11W-6GR	10.7-11.7	Microwave Antenna,11GHz,8FL,USX8-11W-6GR	8	1	\$ 17,000.00	\$8,500.00
3CC56990AA	VHLP2-11W-AUBTR	10.7-11.7	Ant UBT Int 2ft 10/11 GHz SP A.	2	0	\$ 610.50	\$305.25
3CC57002AA	VHLP2-11W-AUBTC	10.7-11.7	Ant UBT Int 2ft 10/11 GHz DP A.	2	0	\$ 610.50	\$305.25
3CC57014AA	VHLP3-11W-AUBTR	10.7-11.7	Ant UBT Int 3ft 10/11 GHz SP A.	3	0	\$ 1,498.50	\$749.25
3CC57022AA	VHLP3-11W-AUBTC	10.7-11.7	Ant UBT Int 3ft 10/11 GHz DP A.	3	0	\$ 1,498.50	\$749.25
3CC57031AA	VHLP4-11W-AUBTR	10.7-11.7	Ant UBT Int 4ft 10/11 GHz SP A.	4	0	\$ 1,998.00	\$999.00
3CC57039AA	VHLP4-11W-AUBTC	10.7-11.7	Ant UBT Int 4ft 10/11 GHz DP A.	4	0	\$ 1,998.00	\$999.00
3CC57077AA	VHLPX2-11W-AUBTR	10.7-11.7	Ant UBT Int 2ft DP 10/11 GHz (w/ OMT) A.	2	0	\$ 1,332.00	\$666.00
3CC57090AA	VHLPX3-11W-AUBTR	10.7-11.7	Ant UBT Int 3ft DP 10/11 GHz (w/ OMT) A.	3	0	\$ 2,220.00	\$1,110.00
3CC57098AA	VHLPX4-11W-AUBTR	10.7-11.7	Ant UBT Int 4ft 10/11 GHz (with OMT) A.	4	0	\$ 2,747.25	\$1,373.63
1AF32504AAAA	VHLPX2-18-1GR/C	17.7-19.7	Antenna,18GHz,2ft,VHLPX2-18-1 ANSI	2	0	\$ 1,995.00	\$997.50
1AF30158AAAA	VHLPX1-18-2WH/E	17.7-19.7	Microwave Antenna,18GHz,1FT,VHLPX1-18-2W	1	0	\$ 1,285.00	\$642.50
1AF06970AUAA	VHLP2-18-2GR/B	17.7-19.7	ANT 2FT HP PBR220 SP Gray VHLP2-18-2GR/B	2	0	\$ 2,317.50	\$1,158.75
3CC56971AA	VHLP1-18-AUBTR	17.7-19.7	Ant UBT Int 1ft 18 GHz SP A.	1	0	\$ 510.60	\$255.30
3CC56982AA	VHLP1-18-AUBTC	17.7-19.7	Ant UBT Int 1ft 18 GHz DP A.	1	0	\$ 510.60	\$255.30
3CC56993AA	VHLP2-18-AUBTR	17.7-19.7	Ant UBT Int 2ft 18 GHz SP A.	2	0	\$ 610.50	\$305.25
3CC57005AA	VHLP2-18-AUBTC	17.7-19.7	Ant UBT Int 2ft 18 GHz DP A.	2	0	\$ 610.50	\$305.25
3CC57067AA	VHLPX1-18-AUBTR	17.7-19.7	Ant UBT Int 1ft DP 18 GHz (with OMT) A.	1	0	\$ 1,221.00	\$610.50
3CC57080AA	VHLPX2-18-AUBTR	17.7-19.7	Ant UBT Int 2ft DP 18 GHz (with OMT) A.	2	0	\$ 1,332.00	\$666.00
3CC56972AA	VHLP1-23-AUBTR	21.2-23.6	Ant UBT Int 1ft 23 GHz SP A.	1	0	\$ 510.60	\$255.30
3CC56983AA	VHLP1-23-AUBTC	21.2-23.6	Ant UBT Int 1ft 23 GHz DP A.	1	0	\$ 510.60	\$255.30
3CC56994AA	VHLP2-23-AUBTR	21.2-23.6	Ant UBT Int 2ft 23 GHz SP A.	2	0	\$ 610.50	\$305.25

3CC57006AA	VHLP2-23-AUBTC	21.2-23.6	Ant UBT Int 2ft 23 GHz DP A.	2	0	\$ 610.50	\$305.25
3CC57068AA	VHLPX1-23-AUBTR	21.2-23.6	Ant UBT Int 1ft DP 23 GHz (with OMT) A.	1	0	\$ 1,221.00	\$610.50
3CC57081AA	VHLPX2-23-AUBTR	21.2-23.6	Ant UBT Int 2ft DP 23 GHz (with OMT) A.	2	0	\$ 1,332.00	\$666.00
3CC56978AA	VHLP1-80-AUBTR	71.0-86.0	Ant UBT Int 1ft 80 GHz SP A.	1	0	\$ 799.20	\$399.60
3CC56979AA	VHLP1-80A-AUBTR	71.0-86.0	Ant UBT Int 1ft 80 GHz SP FCC A.	1	0	\$ 1,110.00	\$555.00
3CC57000AA	VHLP2-80-AUBTR	71.0-86.0	Ant UBT Int 2ft 80 GHz SP A.	2	0	\$ 1,032.30	\$516.15
3CC57074AA	VHLPX1-80-AUBTR	71.0-86.0	Ant UBT Int 1ft DP 80 GHz (+ OMT) A.	1	0	\$ 1,964.70	\$982.35
3CC57075AA	VHLPX1-80A-AUBTR	71.0-86.0	Ant UBT Int 1ft DP 80 GHz (+ OMT) FCC A.	1	0	\$ 2,275.50	\$1,137.75
3CC57087AA	VHLPX2-80-AUBTR	71.0-86.0	Ant UBT Int 2ft DP 80 GHz (with OMT) A.	2	0	\$ 2,197.80	\$1,098.90
409073251			4" Boot (WGB4-63) - for EW63			\$ 160.20	\$80.10
1AF15943AAAA			Standard Elliptical Waveguide, EW180 (17.3 - 19.7 GHz)			\$ 20.20	\$10.10
1AF16272AAAA			Connector, Fixed-tuned / PBR220 for EW180 (top) (1180SCM)			\$ 554.40	\$277.20
402945372			Hoisting Grip (43094) - Lace-up (1/2" coax, EW180, EW220)			\$ 61.40	\$30.70
1AF16280AAAA			Pressure Window (112587) - mates to PBR220			\$ 190.00	\$95.00
1AF14480AAAF			FOR HLC: 2" Twistflex (F042KKS2) - PBR220/PBR220 (Tin plated version is F042KKS2-A, \$191.25, No OI Code)			\$ 650.00	\$325.00
1AF15937AAAA			4" Boot (WGB4-180) - for EW180			\$ 160.20	\$80.10
409072832			WR137 FLEX TWIST, 1200 MM, CPR137G/CPR137G			\$ 1,045.00	\$522.50
402059869	55001-137		PRESSURE WINDOW ASSEMBLY (CPR137) - WR137 PRESSURE WINDOW			\$ 101.77	\$50.89
409072873	6600D-6		6-PORT MANIFOLD, 0-15 PSISIX OUTLET GAS MANIFOLD			\$ 1,119.00	\$559.50
402093116	55001-90		Pressure Window			\$ 204.61	\$102.31
402167829	31771-4		Ceiling Adapter Kit (Threaded rod kit)			\$ 146.87	\$73.44
402662936	EW52		Andrew EW52 Heliax per foot			\$ 35.85	\$17.93
40423773	42396A-8		Hanger Kit			\$ 73.80	\$36.90
406936799	EW63		Andrew EW63 Heliax per foot			\$ 27.96	\$13.98
407415645	EW90		Andrew EW90 Heliax per foot			\$ 25.32	\$12.66
408668911	6600D-2		2-Port Manifold, 0-15 PSI			\$ 573.00	\$286.50
408781177	29958		Hoisting Grip			\$ 74.18	\$37.09
408985216	31768A		Angle Member Adapter			\$ 200.00	\$100.00
409072758	F090CCB2		2" Twistflex			\$ 1,125.00	\$562.50
409073269	WGB4-90		4" Boot			\$ 143.77	\$71.89
409083920	42396A-7		Hanger Kit			\$ 66.23	\$33.12
409083938	EWSH-90		Hanger Kit			\$ 230.40	\$115.20
409084308	220498		1/8" Grounding Kit (EW52, EW63, EW64), 60" Field attach lug			\$ 74.18	\$37.09
409085107	252SE		Connector			\$ 894.40	\$447.20
409085255	6600D-4		4-Port Manifold, 0-15 PSI			\$ 804.00	\$402.00
409085271	AE01D-D1658-100		Dehydrator Wall Shelf, MT050/MTXT300			\$ 555.00	\$277.50
409085370	39099-137		Waveside Termination			\$ 207.90	\$103.95
409093101	190SE		Connector			\$ 652.82	\$326.41
409085123	163SE		Connector, Tunable / CPR137G (bottom & top) (163SE)			\$ 518.36	\$259.18
900358177	24312A		Hoisting Grip (24312A) - Lace-up (1-5/8" coax, EW44, EW52, EW63)			\$ 97.00	\$48.50
409084381	204673-1		Wall/Roof Feed Thru, 4" (204673-1) - 1 per boot			\$ 86.42	\$43.21
1AF13516AAAA	31769-1		Hardware Kit, 3/8" x 1" for Hangers (31769-1) (10 pack)			\$ 24.30	\$12.15
409072790	F137CCD2		2" Twistflex (F137CCD2) - CPR137G/CPR137G			\$ 1,250.00	\$625.00
409073244	WGB4-52		4" Boot (WGB4-52) - for EW52			\$ 160.20	\$80.10
408948867	220497		Grounding kit (220497) (5/8", 7/8" coax, EW85, 90, 127, 132), 60", Field attach lug			\$ 109.73	\$54.87
408942888	42396A-5		Hanger Kit for EW90 / EW85 (42396A-5) (10 pack)			\$ 67.13	\$33.57
409085388	39099-90		Waveside Termination Load (39099-90) - CPR90G			\$ 186.58	\$93.29
409073269	WGB4-90 (replaces 204679-90)		4" Boot (WGB4-90) - for EW90			\$ 160.20	\$80.10
409072873	6600D-6		Gas Distribution Manifold, 6 Port (6600D-6)			\$ 1,119.00	\$559.50
409072832	F137CCS5		WR137 FLEX TWIST, 1200 MM, CPR137G/CPR137G			\$ 1,363.00	\$681.50
409073251			4" Boot (WGB4-63) - for EW63			\$ 143.77	\$71.89
1AF32122AAAA			Optional Strut Kit - USX8/HX8 & USX10 7819854			\$ 1,277.50	\$638.75
1AF15842AAAA			CPR137G & PDR70 Termination Load (VHLP) (112614-70)			\$ 685.00	\$342.50
1AF25570AAAA			SREW63-K Cushion Hanger kit (5) 1 hole			\$ 199.75	\$99.88
1AF25570ABAA			SREW63-K Cushion Hanger kit (5) 2 hole			\$ 157.65	\$78.83
409019122			CA COAX-LDF4-50A 0.5IN 50OHM BC SOLID C Per Meter			\$ 14.45	\$7.23
409054814			CONN COAX-L4TNM-PS 50OHM N PLUG MALE ST*			\$ 49.80	\$24.90

END of COMMSCOPE ANTENNA SYSTEMS Price Catalog

SCHEDULE B- PRICING

Contract # 18000000497

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

Microwave Engineering Services



Nokia Microwave Engineering Services

Part No	Group Item	Description	Metric	MSPCS MSRP	MSPCS Unit Price
	<b>Line of Sight - Path Survey (15- 38 GHz)</b>				
SVC-KWIE-ENG-TSE1		LOS Path Survey (single hop system)	Single hop system	\$ 6,882.50	\$ 2,753.00
SVC-KWIE-ENG-TSE2		LOS Path Survey (1st hop for a connected multi-hop system)	1st hop for a connected multi-hop	\$ 6,882.50	\$ 2,753.00
SVC-KWIE-ENG-TSE3		LOS Path Survey (2nd hop+ for a connected multi-hop system)	2nd hop+ for a connected multi-hop	\$ 5,507.00	\$ 2,202.80
SVC-KWIE-ENG-TSE4		LOS Path Survey (Each single path in a multi-hop system, not connected)	Each single path in a multi-hop system	\$ 6,882.50	\$ 2,753.00
SVC-KWIE-ENG-TSE5		Path Survey Air Fare (per survey)(1 Surveyor with equipment shipment)	Per man with equipment shipment	\$ 10,000.00	\$ 4,000.00
SVC-KWIE-ENG-TSE6		Additional Survey Reports (on CD ROM)	Each	\$ 125.00	\$ 50.00
SVC-KWIE-ENG-TSE7		Additional Survey Reports (printed copies)	Each	\$ 250.00	\$ 100.00
SVC-KWIE-ENG-TSE8		Path Survey (Per Man Day)	Path Survey (Per Man Day)	\$ 3,575.00	\$ 1,430.00
	<b>Path Survey (&lt; 11 GHz)</b>				
SVC-KWIE-ENG-TSE9		Path Survey (single hop system)	Single hop system	\$ 9,832.50	\$ 3,933.00
SVC-KWIE-ENG-TSE10		Path Survey (1st hop for a connected multi-hop system)	1st hop for a connected multi-hop	\$ 9,832.50	\$ 3,933.00
SVC-KWIE-ENG-TSE11		Path Survey (2nd hop+ for a connected multi-hop system)	2nd hop+ for a connected multi-hop	\$ 7,865.00	\$ 3,146.00
SVC-KWIE-ENG-TSE12		Path Survey (Each single path in a multi-hop system, not connected)	Each single path in a multi-hop system	\$ 9,832.50	\$ 3,933.00
SVC-KWIE-ENG-TSE13		Path Survey Air Fare (per survey)(1 Surveyor with equipment shipment)	Per man with equipment shipment	\$ 10,000.00	\$ 4,000.00
SVC-KWIE-ENG-TSE14		Additional Survey Reports (on CD ROM)	Each	\$ 125.00	\$ 50.00
SVC-KWIE-ENG-TSE15		Additional Survey Reports (printed copies)	Each	\$ 250.00	\$ 100.00
SVC-KWIE-ENG-TSE8		Path Survey (Per Man Day)	Path Survey (Per Man Day)	\$ 3,575.00	\$ 1,430.00
	<b>Path Design</b>				
SVC-KWIE-ENG-TSE16		System Map (1-10 paths)	Each	\$ 250.00	\$ 100.00
SVC-KWIE-ENG-TSE17		System Map (10+ paths)	Each	\$ 500.00	\$ 200.00
SVC-KWIE-ENG-TSE18		Path Design (per path)	Per path	\$ 375.00	\$ 150.00
SVC-KWIE-ENG-TSE19		Path Performance Calculations (per path)	Per path	\$ 375.00	\$ 150.00
	<b>Frequency Selection/Coordination</b>				
SVC-KWIE-ENG-TSE20		Frequency Selection (all bands except 80 GHz / per freq pair)	Per path	\$ 2,125.00	\$ 850.00
SVC-KWIE-ENG-TSE22		Normal 30-day Prior Coordination (per system)	Per system	\$ 775.00	\$ 310.00
SVC-KWIE-ENG-TSE23		Expedited Prior Coordination (1st path)	1st path	\$ 2,292.50	\$ 917.00
SVC-KWIE-ENG-TSE24		Expedited Prior Coordination (2nd path)	2nd path+	\$ 475.00	\$ 190.00
SVC-KWIE-ENG-TSE25		Major Change Analysis (per path)	Per path	\$ 1,357.50	\$ 543.00
SVC-KWIE-ENG-TSE26		Minor Change Analysis (per path)	Per path	\$ 800.00	\$ 320.00
SVC-KWIE-ENG-TSE27		Prior Coordination Renewal within 6 months of PCN date (1st path)	1st path	\$ 750.00	\$ 300.00
SVC-KWIE-ENG-TSE28		Prior Coordination Renewal within 6 months of PCN 2nd path+ (per path)	2nd path+	\$ 187.50	\$ 75.00
	<b>FCC License Application</b>				
SVC-KWIE-ENG-TSE29		FCC License Application Prep (New/Mod) (per site / Form 601) (Note 1)	Per path (New/Mod) (per site / Form 601)	\$ 1,162.50	\$ 465.00
SVC-KWIE-ENG-TSE31		Waiver Preparation (Note 1)	Waiver Preparation (Note 1) Each	\$ 215.00	\$ 215.00
SVC-KWIE-ENG-TSE43		FCC License Fees (Note 1.5)(new site)(per site)	Per New Site	\$ 3,175.00	\$ 1,270.00
SVC-KWIE-ENG-TSE44		FCC License Fees (Note 1.5)(modification to existing license)(per site)	Per Site	\$ 1,075.00	\$ 430.00
SVC-KWIE-ENG-TSE45		FCC Application - Waiver Application (Note 1.5)(per site)	Per Site	\$ 662.50	\$ 265.00
SVC-KWIE-ENG-TSE37		80 GHz Nationwide Licensing (US applications only) (One Time Charge)	One Time Charge	\$ 1,072.50	\$ 429.00
SVC-KWIE-ENG-TSE38		80 GHz Link Registration (US applications only)(Per Path)Each link registration after	Per Path	\$ 715.00	\$ 286.00
SVC-KWIE-ENG-TSE54		80 GHz Registration (US Applications only) (Per Path) (Not required if licensee is foreign)	Per Path	\$ 1,600.00	\$ 640.00
	<b>FCC Regulatory Services</b>				
SVC-KWIE-ENG-TSE46		AM Broadcast Tower Proximity Check	Each	\$ 125.00	\$ 50.00
SVC-KWIE-ENG-TSE47		FAA Non-Hazardous Determination filing	Each	\$ 1,500.00	\$ 600.00
SVC-KWIE-ENG-TSE48		FCC ASR Filing	Each	\$ 750.00	\$ 300.00
SVC-KWIE-ENG-TSE30		STA Form Preparation (Note 1.5)	Each	\$ 712.50	\$ 285.00
SVC-KWIE-ENG-TSE49		FCC STA Filing Fees - Part 101 (Note 1.5) (private only)	Each	\$ 250.00	\$ 100.00
SVC-KWIE-ENG-TSE50		FCC STA Filing Fees - Part 101 (Note 1.5) (Common Carrier i.e. Wireless)	Each	\$ 465.00	\$ 186.00
SVC-KWIE-ENG-TSE51		FCC STA Filing Fees - Part 74	Each	\$ 625.00	\$ 250.00
SVC-KWIE-ENG-TSE52		License Extension (per Call Sign)	per Call Sign	\$ 537.50	\$ 215.00
SVC-KWIE-ENG-TSE53		FCC Filing Fee for License Extension Waiver (Private only)	Each	\$ 787.50	\$ 315.00
	<b>Transmission Engineering</b>				
SVC-KWIE-ENG-TSE32		Senior Transmission Systems Engineer (per Hour)	Per Man Hour	\$ 625.00	\$ 250.00
SVC-KWIE-ENG-TSE33		Transmission Systems Engineer (per Hour)	Per Man Hour	\$ 500.00	\$ 200.00
	<b>Network Engineering</b>				
SVC-KWIE-ENG-TSE34		Senior Network Engineer (per hour)	Per Man Hour	\$ 625.00	\$ 250.00
SVC-KWIE-ENG-TSE35		Network Engineer (per hour)	Per Man Hour	\$ 437.50	\$ 175.00
SVC-KWIE-ENG-TSE36		Network Engineering Drawings (per hour)	Per Man Hour	\$ 250.00	\$ 100.00
SVC-KWIE-ENG-NE1		Application and Network Engineer (per site)	Per Man Hour	\$ 2,000.00	\$ 800.00
SVC-QHIE-INST-PO1		Application and configuration release (per site)	Per Man Hour	\$ 750.00	\$ 300.00
3EM24226AF		Customer Witness Test & Integration Certificate (Per Test Element) Factory Integration / Staging Customer Witness Test	Per Test Element	\$ 1,250.00	\$ 500.00
	<b>MW Product Freight</b>				
SVC-YGRL-RF1		MW Product Freight per radio rack	Per unit	\$ 1,000.00	\$ 400.00
SVC-YGRL-AS1		MW Product Freight per small antenna	Per unit	\$ 750.00	\$ 300.00
SVC-YGRL-AS2		MW Product Freight per medium antenna	Per unit	\$ 1,250.00	\$ 500.00
SVC-YGRL-AS3		MW Product Freight per large antenna (or HI and AK)	Per unit	\$ 2,000.00	\$ 800.00
SVC-YGRL-AS4		MW Product Freight per Ice Shield	Per unit	\$ 875.00	\$ 350.00
	<b>Field Engineering</b>				
SVC-QHIE-ENG-FE1		Field Service Engineer (Per Man Hour) (Includes T&L)	Per Man Hour	\$ 450.00	\$ 180.00
SVC-QHIE-ENG-FE2		Field Living Expenses (per man per calendar day) (Includes T&L)	Per calendar day - 1 Field Engineer	\$ 850.00	\$ 340.00
SVC-QHIE-ENG-FE3		Air Fare (per man) (1 Engineer with equipment shipment) (Includes T&L)	Per man with equipment shipment	\$ 10,000.00	\$ 4,000.00
	<b>Field Engineering - Outside Plant</b>				
300054129-FEOSP1		Outside Plant Engineering e.g. Tower Structural Analysis, Grounding, etc. (Includes T&L)	Per Man Hour	\$ 450.00	\$ 180.00
300054129-FEOSP2		Field Living Expenses (per man per calendar day) (Includes T&L)	Per calendar day - 1 Field Engineer	\$ 850.00	\$ 340.00
300054129-FEOSP3		Air Fare (per man)(1 Engineer with equipment shipment) (Includes T&L)	Per man with equipment shipment	\$ 10,000.00	\$ 4,000.00
	<b>Installation &amp; Commission (Microwave)</b>				
SVC-QHIE-INST-INCOM1		Microwave Antenna / Tower Installation Services (Per Man Hour) (Includes T&L)	Per Man Hour	\$ 940.00	\$ 376.00
SVC-QHIE-INST-INCOM2		Radio Installation Services (Per Man Hour) (Includes T&L)	Per Man Hour	\$ 790.00	\$ 316.00
SVC-QHIE-INST-INCOM3		Radio Commissioning and Test Services (Per Man Hour) (Includes T&L)	Per Man Hour	\$ 790.00	\$ 316.00
SVC-QHIE-INST-INCOM4		Ancillary Equipment Installation and Test Services (Per Man Hour) (Includes T&L)	Per Man Hour	\$ 790.00	\$ 316.00
SVC-QHIE-INST-INCOM5		Deployment Project Management (Per Man Hour) (Includes T&L)	Per Man Hour	\$ 450.00	\$ 180.00
SVC-QHIE-INST-INCOM6		Field Supervisor (Per Man Hour) (Includes T&L)	Per Man Hour	\$ 460.00	\$ 184.00
SVC-QHIE-INST-INCOM7		Network Management Engineering (Per Man Hour) (Includes T&L)	Per Man Hour	\$ 460.00	\$ 184.00
SVC-QHIE-INST-INCOM8		Field Living Expenses (Per calendar day) (1 Field Engineer)(Includes T&L)	Per calendar day - 1 Field Engineer	\$ 850.00	\$ 340.00
SVC-QHIE-INST-INCOM9		Air Fare (per man)(1 Engineer with equipment shipment) (Includes T&L)	Per man with equipment shipment	\$ 10,000.00	\$ 4,000.00
SVC-QHIE-INST-INCOM10		Microwave Radio and Antenna Misc Installation Materials	Unit	\$ 25.00	\$ 10.00
	<b>Program Management Office (PMO)</b>				

300702487		PMI certified project manager skilled in all aspects of managing network deployment projects.	Per Hour	\$ 430.00	\$ 172.00
	<b>Product Maintenance (9500 MPR)</b>				
301090767		Technical Support Gold	7x24x365 Annual rate per hop	\$ 550.00	\$ 220.00
301090775		Standard Repair 45 days	Annual rate after warranty per hop	\$ 2,512.50	\$ 1,005.00
301090791		Advanced Exchange Next Day	Annual rate per hop	\$ 2,700.00	\$ 1,080.00
3EM24592AAAB		9500 MPR Software Subscription (Per Node)	Annual rate per Node	\$ 500.00	\$ 175.00
301094843-FM1		Radio Field Maintenance (Per Man Hour)	Per Man Hour	\$ 790.00	\$ 316.00
301094843-FM2		Field Living Expenses (Per calendar day)(Per 1 Technician)	Per calendar day each Tech	\$ 850.00	\$ 340.00
301094843-FM3		Air Fare (per man)(1 Technician with equipment shipment) (Includes T&L)	Per man with equipment shipment	\$ 10,000.00	\$ 4,000.00

Notes:

- 1 Does not include FCC fees, if any
- 1.5 No fees for State and Local Government including education
- 2 Pricing does not apply to states with prevailing wages statutes and can be quoted upon request
- 3 SVC-KWIE-ENG, SVC-QHIE-INST, 301094843, 300054129, SVC-QHIE-ENG, SVC-YGRL requires the description to be included with all orders
- 4 A Man Day is considered to be 8 hours.

**End of Nokia Microwave Engineering Services**

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

IPR



CODE / PN	PRODUCT / DESCRIPTION	MPL (GLP) \$USD	DISCOUNT	UNIT PRICE
3HE00014AA	7x50 ESS-6v/12 SR-12 Fan Filter	\$ 100.00	35%	\$ 65.00
3HE00027CA	1-port 1000BASE-SX Small Form-Factor Pluggable (SFP) Optics Module, Multimode Fiber (MMF), 550 meters, 850 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 345.00	35%	\$ 224.25
3HE00028CA	1-port 1000BASE-LX Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 10 km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 995.00	35%	\$ 646.75
3HE00029CA	1-port 1000BASE-ZX Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 70km, 1550 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 4,995.00	35%	\$ 3,246.75
3HE00034CA	1-port OC-3/STM-1 SONET/SDH Optics Module, Multimode Fiber (MMF), 2km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 1,200.00	35%	\$ 780.00
3HE00035CA	1-port OC-3/STM-1 SONET/SDH Optics Module, IR-1 / I-1, Single Mode Fiber (SMF), 15-21km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 1,200.00	35%	\$ 780.00
3HE00036CA	1-port OC-3/STM-1 SONET/SDH Optics Module, LR-1 / L-1.1, Single Mode Fiber (SMF), 40-50km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 1,600.00	35%	\$ 1,040.00
3HE00107WA	7750 SR-1/7/12/12e Release 16.0 Operating Software License. Notes: One (1) Operating Software License is required for each SR-1/7/12/12e in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.	\$ 10,000.00	35%	\$ 6,500.00
3HE00190AA	7x50 SR-7/ESS-7 Fan Filter	\$ 90.00	35%	\$ 58.50
3HE00192AA	7750 SR-12 slot Cable Management Accessory.	\$ 950.00	35%	\$ 617.50
3HE00241WA	7450 ESS-7/12 Release 16.0 Operating Software License. Notes: One (1) Operating Software License is required for each 7450 ESS-7/12 in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.	\$ 5,000.00	35%	\$ 3,250.00
3HE00271AA	AC Power Cable NEMA 5-15P to IEC 60320 C13 10A/110V 1.8 meter- United States / Canada / South America	\$ 75.00	35%	\$ 48.75
3HE00271AB	AC Power Cable NEMA 6-15P to IEC 60320 C13 10A/220V, 1.8 meter - United States / Canada / South America	\$ 75.00	35%	\$ 48.75
3HE00271AC	AC Power Cable CEE 7/7 to IEC 60320 C13 10A/220V 2.8 meter - Continental Europe	\$ 75.00	35%	\$ 48.75
3HE00271AD	AC Power Cable BS 1363 to IEC 60320 C13 10A/220V, 2.8 meter- United Kingdom / Hong Kong /Singapore	\$ 75.00	35%	\$ 48.75
3HE00271AE	AC Power Cable Blunt cut to IEC 60320 C13, 2.4 meter, 10A/220V,USA / Canada / South America	\$ 75.00	35%	\$ 48.75
3HE00271AF	AC Power Cable NEMA 5-15P to IEC 60320 C19 15A/110V 2.8 meter - United States / Canada / South America	\$ 75.00	35%	\$ 48.75
3HE00271AG	AC Power Cord NEMA 5-15P to IEC 60320 C13 13A/110V 2.5 meter- United States / Canada / South America	\$ 75.00	35%	\$ 48.75
3HE00271AH	AC Power Cable blunt cut with IEC 60320 locking C19 20A/250V, 4.5 meter - USA	\$ 700.00	35%	\$ 455.00
3HE00271AJ	AC Power Cable blunt cut with IEC 60320 locking C19 16A/250V, 4.5 meter - Europe	\$ 500.00	35%	\$ 325.00
3HE00271BA	AC Power Cable NEMA 5-15P to IEC 60320 C15 15A/110V 1.8 meter- United States / Canada / South America	\$ 75.00	35%	\$ 48.75
3HE00271BB	AC Power Cable NEMA 6-15P to IEC 60320 C15 15A/220V, 1.8 meter - United States / Canada / South America	\$ 75.00	35%	\$ 48.75
3HE00271BC	AC Power Cable CEE 7/7 to IEC 60320 C15 10A/220V 2.8 meter - Continental Europe	\$ 75.00	35%	\$ 48.75
3HE00271BD	AC Power Cable BS 1363 to IEC 60320 C15 10A/220V, 2.8 meter- United Kingdom / Hong Kong /Singapore	\$ 75.00	35%	\$ 48.75
3HE00271BE	AC Power Cable Blunt cut to IEC 60320 C15, 2.4 meter, 10A/220V International	\$ 75.00	35%	\$ 48.75
3HE00514AA	AC Power Cable IEC 320 C-14 to Blunt cut 15A/220V.	\$ 75.00	35%	\$ 48.75
3HE00564CA	1-port 10GBASE-LW/LR Small Form-Factor Pluggable (XFP) Optics Module, Single Mode Fiber (SMF), 10km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant	\$ 3,995.00	35%	\$ 2,596.75
3HE00566CA	1-port 10GBASE-SW/SR Small Form-Factor Pluggable (XFP) Optics Module, 850 nm, 26 to 300 meters, LC Connector, RoHS 6/6 compliant	\$ 2,995.00	35%	\$ 1,946.75
3HE00867CA	1-port 1000BASE-EX Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, 1310nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 1,995.00	35%	\$ 1,296.75
3HE00868CA	1-port 1000BASE-BX10-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 10km, TX:1310 nm, RX: 1490 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 1,400.00	35%	\$ 910.00
3HE00868CB	1-port 1000BASE-BX10-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 10km, TX: 1490 nm, RX: 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Extended Temperature -40/85C	\$ 1,400.00	35%	\$ 910.00
3HE01049AA	Cable 7x50 CONSOLE CABLE, NULL MODEM, 6', CROSSOVER PIN-OUT, DB9F-DB9F	\$ 50.00	35%	\$ 32.50
3HE01051AA	7750 SR MDA slot blank cover	\$ 100.00	35%	\$ 65.00
3HE01389CA	1-port 1000BASE-EZX Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 120km, 1550nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 7,500.00	35%	\$ 4,875.00
3HE01619AA	SR/ESS/SAS/SAR 2 GB Compact Flash - Spare (Blank)	\$ 950.00	35%	\$ 617.50
3HE01672AA	7750 SR-7 19-inch Rack Mount Brackets, 1 pair - spare	\$ 125.00	35%	\$ 81.25
3HE01673AA	7750 SR-12 19-inch Rack Mount Brackets, 1 pair - spare	\$ 175.00	35%	\$ 113.75
3HE01807AC	Contracted Annual Software Subscription Plan (SSP) for 7x50, 7710 and 7210. Entitles customer to unlimited nodal OS software upgrade licenses for one year. Annual contracts must be purchased against the total installed base for a given customer network or channel, for a particular product family (i.e. all 7450 ESS1 elements). Contact local B&P team or IPD BD for more information. Customer must complete Export Control Doc. prior to release of any S/W. Part number for use on all orders outside of NAR.	Contact RBC's	35%	Custom
3HE01881AA	7750 SR-7, 7450 ESS-6/7 Ground and Power Lug Kit for Qty=5 shelves, spare, includes: (5) #6 AWG Ground Lugs (10) Ground Screws (20) #6 AWG DC Power Lugs	\$ 125.00	35%	\$ 81.25
3HE01882BA	7750 SR-12/7450 ESS-12 Ground and Power Lug Kit for PEM-3 Qty=5 shelves, spare, includes: (40) #4 Lugs for Power (40) #2 Lugs for Power (10) #2 Lugs for Ground	\$ 125.00	35%	\$ 81.25
3HE02772AA	The Auxiliary Alarm Card provides additional alarm support for high density digital inputs and outputs, as well as 2 analog inputs. Access to all the signal pins is via the AMP 68 pin connector. The 16 AWG open-ended cables of 15 and 30 meters length (3HE03398AB/3HE03399AB), as well as the SCSI to AMP 64 pin cable (3HE02783AA), can be used in conjunction with this card. This card is supported in both -48 VDC and +24 VDC systems.	\$ 6,000.00	35%	\$ 3,900.00
3HE02772BA	Conformal Coated Variant of Auxiliary Alarm. The Card provides additional alarm support for high density digital inputs and outputs, as well as 2 analog inputs. Access to all the signal pins is via the AMP 68 pin connector. The 16 AWG open-ended cables of 15 and 30 meters length (3HE03398AB/3HE03399AB), as well as the SCSI to AMP 64 pin cable (3HE02783AA), can be used in conjunction with this card. This card is supported in both -48 VDC and +24 VDC systems.	\$ 6,750.00	35%	\$ 4,387.50
3HE02774AB	SAR Control and Switch Module Version 2. One (1) required per SAR-8 shelf or up to two (2) per SAR-8 Shelf for CPU and fabric redundancy. -48/+24VDC	\$ 3,500.00	35%	\$ 2,275.00

3HE02774CB	Conformal Coated Variant of SAR Control and Switch Module Version 2. One (1) required per SAR-8 shelf or up to two (2) per SAR-8 Shelf for CPU and fabric redundancy. -48/+24VDC	\$ 4,050.00	35%	\$ 2,632.50
3HE02775AB	16-port Channelized/Unchannelized T1/E1 Any Service Any Port (ASAP) Card V2, supports channelization down to DS0 and ATM/PPP/TDM encapsulations. Each port can be independently configured for the different services and can be used for access or network ports. This card is supported in both -48 VDC and +24 VDC systems.	\$ 4,200.00	35%	\$ 2,730.00
3HE02775CB	Conformal Coated Variant of 16-port Channelized/Unchannelized T1/E1 Any Service Any Port (ASAP) Card V2, supports channelization down to DS0 and ATM/PPP/TDM encapsulations. Each port can be independently configured for the different services and can be used for access or network ports. This card is supported in both -48 VDC and +24 VDC systems.	\$ 4,750.00	35%	\$ 3,087.50
3HE02780AA	Terminates 6 analog FXS subscriber interfaces from local telephone set. RJ45 connector access (2 ports/connector). On-premise applications only. -48/+24VDC	\$ 5,000.00	35%	\$ 3,250.00
3HE02780BA	Conformal Coated FXS line card. Terminates 6 analog FXS subscriber interfaces from local telephone set. RJ45 connector access (2 ports/connector). On-premise applications only. -48/+24VDC	\$ 5,600.00	35%	\$ 3,640.00
3HE02781AA	32-port Channelized/Unchannelized T1/E1 Any Service Any Port (ASAP) Card, supports channelization down to DS0 and ATM/PPP/TDM encapsulations. Each port can be independently configured for the different services and can be used for access or network ports. This card is supported in both -48 VDC and +24 VDC systems.	\$ 7,000.00	35%	\$ 4,550.00
3HE02782AA	Packet Microwave Card has two 10/100/1000 RJ45 ports and six GigE SFP ports. The two RJ45 ports and the first two SFP ports can be connected to MPR-e radio with microwave awareness capabilities. Each port can be used for access or network ports. SFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 6,200.00	35%	\$ 4,030.00
3HE02782BA	Conformal Coated Variant of Packet Microwave Card has two 10/100/1000 RJ45 ports and six GigE SFP ports. The two RJ45 ports and the first two SFP ports can be connected to MPR-e radio with microwave awareness capabilities. Each port can be used for access or network ports. SFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 7,000.00	35%	\$ 4,550.00
3HE02783AA	Provides access to all the inputs and outputs for the Aux Alarm card. AMP 68 pin (SCSI-2) connector attaches to the module and AMP 64 pin connector can be directly attached to other telecom equipment or breakout unit. 3 meters in length.	\$ 700.00	35%	\$ 455.00
3HE02784MA	SAR Release 9.0 OS License. One (1) OS Upgrade is required for each SAR-8, SAR-M, SAR-A, SAR-W, SAR-Wx, SAR-H, SAR-Hc, SAR-X, SAR-Ax in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 850.00	35%	\$ 552.50
3HE02784NA	SAR Release 20.x OS License. One (1) OS Upgrade is required for each SAR-8, SAR-M, SAR-A, SAR-W, SAR-Wx, SAR-H, SAR-Hc, SAR-X, SAR-Ax in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 850.00	35%	\$ 552.50
3HE02785MA	SAR Release 9.0 OS Upgrade for the basic suite of functionality. One (1) OS Upgrade is required for each SAR-8, SAR-M, SAR-A, SAR-W, SAR-Wx, SAR-H, SAR-Hc, SAR-X, SAR-Ax in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 750.00	35%	\$ 487.50
3HE02785NA	SAR Release 20.x OS Upgrade for the basic suite of functionality. One (1) OS Upgrade is required for each SAR-8, SAR-M, SAR-A, SAR-W, SAR-Wx, SAR-H, SAR-Hc, SAR-X, SAR-Ax in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 750.00	35%	\$ 487.50
3HE02786BA	Valere AC Split Power Shelf, one (1) required for AC operation of Nokia SR-7, ESS-7/6/6v chassis. Shelf is electrically split with two (2) power outputs for 1+1 redundancy. Accepts of up to four (4) SR/ESS 2500W AC Power Supplies and/or SR/ESS AC Split Power Shelf Blanks (all sold separately). Includes four (4) power lugs for the supply cables from the Power Shelf. SR-7, ESS-7/6/6v Status Cable recommended (sold separately).	\$ 2,500.00	35%	\$ 1,625.00
3HE02787AA	Valere 2500 Watt AC Power Supply for the Valere AC Split Power Shelf. For 1 + 1 redundancy for the SR-12/ESS-12, four (4) supplies required. For 1+ 1 Redundancy on the ESS-6: two (2) supplies required and two SR/ESS AC Split Power Shelf Blanks (recommended) (sold separately). One (1) SR/ESS 2500W AC Power Supply Cord required for each Power Supply (sold separately).	\$ 2,000.00	35%	\$ 1,300.00
3HE02944AA	SR/ESS AC Split Power Shelf Slot Blanks, one (1) blank recommended for each unoccupied power supply position in the SR/ESS AC Split Power Shelf	\$ 150.00	35%	\$ 97.50
3HE02946AA	AC Power Cable IEC 60320-C19 to Blunt cut 2.4 meter 220V for SR/ESS 2500 Watt AC Power Supply for the SR/ESS AC Split Power Shelf, Blunt Cut - United States / Canada / South America, one (1) cord required per 2500 AC Power Supply, appropriate wall end connector needs to be installed	\$ 75.00	35%	\$ 48.75
3HE02947AA	Cable SR/ESS AC Split Power Shelf SR-12/ESS-12 Status Cable, one (1) cable recommended to connect the SR-12/ESS-12 chassis to the SR/ESS AC Split Power Shelf	\$ 125.00	35%	\$ 81.25
3HE03054AA	Replacement blanking plates for the SAR-8 slots and the smaller SAR-18 adapter card slots. To be installed in empty slots for air flow and EMI. Package of 6.	\$ 400.00	35%	\$ 260.00
3HE03065BA	Valere External AC Rectifier Bundle, includes: (1) 3HE02786BA Redundant AC power for SR-7, ESS-7 with AC split shelf, (4) 3HE02787AA AC power supplies, (1) 3HE04519AA status cable, (4) 3HE02946AA DC lugs and blunt-cut AC International power cords, User must supply DC power cables, chassis lugs and AC wall connectors.	\$ 10,500.00	35%	\$ 6,825.00
3HE03125AA	4-port OC3/STM1 Clear Channel Card, supporting ATM services and POS network links. Includes 4 SFP cages for interfaces. Each port can be used for access or network ports. SFPs sold separately. -48VDC	\$ 18,000.00	35%	\$ 11,700.00
3HE03125BA	Conformal Coated Variant of 4-port OC3/STM1 Clear Channel Card, supporting ATM services and POS network links. Includes 4 SFP cages for interfaces. Each port can be used for access or network ports. SFPs sold separately. -48VDC	\$ 20,200.00	35%	\$ 13,130.00
3HE03126AA	6 port E&M analog voice interface card configurable for 2 or 4 wire operation. Supports Type I, II and V signaling and A-law and $\mu$ -Law encoding. 600ohm interface with programmable TLP ranges. -48VDC	\$ 4,200.00	35%	\$ 2,730.00
3HE03126BA	Conformal Coated Variant of 6 port E&M analog voice interface card configurable for 2 or 4 wire operation. Supports Type I, II and V signaling and A-law and $\mu$ -Law encoding. 600ohm interface with programmable TLP ranges. -48VDC	\$ 4,750.00	35%	\$ 3,087.50
3HE03127AA	2-port OC3/STM1 Card, with channelization down to DS0 and ATM/PPP/TDM encapsulations. Each port can be independently configured for the different services and access/network. SFPs sold separately.	\$ 21,000.00	35%	\$ 13,650.00
3HE03127BA	Conformal Coated Variant of 2-port OC3/STM1 Card, with channelization down to DS0 and ATM/PPP/TDM encapsulations. Each port can be independently configured for the different services and access/network. SFPs sold separately.	\$ 23,550.00	35%	\$ 15,307.50
3HE03391AC	12 port Serial Data Interface - Version 3 (SDIv3) card. Supports RS232, RS530, X.21 and V.35 protocols. This card provides a SCSI-68 connector per 2 ports. Supports DTE/DCE port configs utilizing generic cables 3HE12409AA/3HE12410AA applicable to all available port distribution panels (3HE12442AA, 3HE12443AA, 3HE12444AA, 3HE12445AA).	\$ 9,300.00	35%	\$ 6,045.00
3HE03391BC	Conformal Coated Variant of 12 port Serial Data Interface - Version 3 (SDIv3) card. Supports RS232, RS530, X.21 and V.35 protocols. This card provides a SCSI-68 connector per 2 ports. Supports DTE/DCE port configs utilizing generic cables 3HE12409AA/3HE12410AA applicable to all available port distribution panels (3HE12442AA, 3HE12443AA, 3HE12444AA, 3HE12445AA).	\$ 10,800.00	35%	\$ 7,020.00
3HE03397BB	This cable connects a 16 port T1/E1 ASAP connector to a breakout panel. SCSI connector at both ends in cross-over configuration. 1.6 meter in length.	\$ 200.00	35%	\$ 130.00

3HE03399AB	Provides access to 16 ports of a T1/E1 ASAP card; the 32 port T1/E1 ASAP card requires 2 cables. AMP 68 pin connector attaches to the module and the open end (26 AWG) can be directly attached to other telecom equipment or a punch-down/terminal block. 30 meters in length.	\$ 1,500.00	35%	\$ 975.00
3HE03401AA	Mini coax Y-cable to connect a single synchronization reference to the input ports of the two 7705 CSMS.	\$ 150.00	35%	\$ 97.50
3HE03661AA	7750 SR-7 DC 100 AMP PEM-3 for Slot 2. 7750 SR-7 DC 100 AMP PEM-3 provides 1+1 redundant DC power. Note: Requires the 3HE04498AA - 7750 SR-7 DC 100Amp Power Filter to be installed in the front of the SR-7	\$ 1,500.00	35%	\$ 975.00
3HE03662AA	7750 SR-7 DC 100 AMP PEM-3 for Slot 1. 7750 SR-7 DC 100 AMP PEM-3 provides 1+1 redundant DC power. Note: Requires the 3HE04498AA - 7750 SR-7 DC 100Amp Power Filter to be installed in the front of the SR-7	\$ 1,500.00	35%	\$ 975.00
3HE03663AA	7750 SR, 12-slot Shelf 175 AMP DC Power Entry Module-3 for the 7750 SR-12 DC Shelf.	\$ 4,000.00	35%	\$ 2,600.00
3HE03664AA	7450 ESS-7 DC 100 AMP PEM-3 for Slot 2. 7450 ESS-7 DC 100 AMP PEM-3 provides 1+1 redundant DC power. Note: Requires the 3HE04500AA - 7450 ESS-7 DC 100Amp Power Filter to be installed in the front of the 7450 ESS-7.	\$ 1,500.00	35%	\$ 975.00
3HE03665AA	7450 ESS-7 DC 100 AMP PEM-3 for Slot 1. 7450 ESS-7 DC 100 AMP PEM-3 provides 1+1 redundant DC power. Note: Requires the 3HE04500AA - 7450 ESS-7 DC 100Amp Power Filter to be installed in the front of the 7450 ESS-7.	\$ 1,500.00	35%	\$ 975.00
3HE03666AA	7450 ESS-12, 12-slot Shelf 175 AMP DC Power Entry Module-3 for the 7450 ESS-12 DC Shelf.	\$ 4,000.00	35%	\$ 2,600.00
3HE04147AA	ACC - 7750 SR Impedance Panel Qty 1	\$ 150.00	35%	\$ 97.50
3HE04148AA	ACC - 7750 SR Impedance Panel Qty 5	\$ 750.00	35%	\$ 487.50
3HE04172AA	Valere AC Un-Split power shelf for the Nokia ESS/SR-12; The Valere AC un-split power shelf accepts up to four (4) ESS/SR 2500 Watt AC Power supplies. (Requires 2 Valere AC un-split power shelves for AC redundancy for the Nokia ESS/SR-12 with PEM-3) Includes: One (1) 3HE04172AA - ESS/SR-12 Valere AC un-Split Power Shelf (includes four (4) power lugs) Power Cables, Status Cable and Power Supplies are sold separately.	\$ 2,500.00	35%	\$ 1,625.00
3HE04173AA	Valere AC Un-Split Power Shelf for the ESS/SR-12 Status Cable, two (2) cable recommended to connect the ESS/SR-12 chassis to the SR/ESS AC Un-Split Power Shelf.	\$ 125.00	35%	\$ 81.25
3HE04174AA	Valere AC Power Bundle for the ESS/SR-12 for 175 Amp PEM-3 The AC power shelf converts AC power from an external AC power source into DC power that is suitable for the ESS/SR-12 Chassis. On systems using the PEM-3, a 1:1 power shelf to PEM-3 ratio exists with a maximum of two shelves and two PEM-3s per chassis; Bundle includes the following; (2) 3HE04172AA - ESS/SR-12 Valere AC Un-Split Shelves (8) 3HE02787AA - ESS/SR Valere 2.5KW Power Supplies (2) 3HE04173AA - ESS/SR-12 AC Rectifier Status Cable (8) 3HE02946AA - ESS/SR 2500W Valere International Power Cords Blunt Cut	\$ 21,850.00	35%	\$ 14,202.50
3HE04324AA	1-port 1000BASE-BX-U Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, TX: 1310 nm, RX: 1490nm, 40km, LC Connector	\$ 2,600.00	35%	\$ 1,690.00
3HE04324AB	1-port 1000BASE-BX-D Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, TX: 1490nm, RX: 1310nm, 40km, LC Connector	\$ 2,600.00	35%	\$ 1,690.00
3HE04414AB	PS - 7210 SAS M/Mxp/T AC PS (NON-ETR) 200W	\$ 399.00	35%	\$ 259.35
3HE04415AB	PS - 7210 SAS M/Mxp/T DC -48V PS (NON-ETR) 200W	\$ 480.00	35%	\$ 312.00
3HE04416AA	FAN - 7210 SAS M/Mxp/T Fan Tray (ETR & Non ETR) (Spare)	\$ 140.00	35%	\$ 91.00
3HE04498AA	7750 SR-7 100 AMP Power Filter is required for the 7750 SR-7 100Amp PEM-3 for Slot 1 and Slot 2 (installs in the front of the 7750 SR-7 Chassis)	\$ 1,500.00	35%	\$ 975.00
3HE04500AA	7450 ESS-7 100 AMP Power Filter is required for the 7450 ESS-7 100Amp PEM-3 for Slot 1 and Slot 2 (installs in the front of the 7450 ESS-7 Chassis)	\$ 1,500.00	35%	\$ 975.00
3HE04509AD	Connects Serial Data Interface card to external equipment. Mini-SCSI connector attaches to the SDI card and the open end can be directly attached to other telecom equipment. Supports 6 data ports. 10 meters in length. Each Serial Data Interface Card can support two cable assemblies. Uses 30 AWG wire and may not be compatible with some connector panels.	\$ 1,500.00	35%	\$ 975.00
3HE04517AA	Bundle for the 7450 ESS-7 Slot Chassis for Slot 1 PEM-3's, bundle includes the following; 7450 ESS-7 DC PEM-3 Slot 1 and 100 AMP DC Filter Bundle: Includes: (1) 3HE03665AA - 7450 ESS-7 100 AMP DC Power Entry Module-3 Slot 1 with (1) 3HE04500AA PWR FLT - 7450 ESS-7 100 AMP PWR FILTER Note: The 3HE04500AA - PWR FLT - 7450 ESS-7 100 AMP PWR FILTER (installed in the front of the chassis) is required for the 3HE03665AA - PEM - 7450 ESS-7 100A DC PEM-3 SLOT 1.	\$ 3,000.00	35%	\$ 1,950.00
3HE04518AA	Bundle for the 7450 ESS-7 Slot Chassis for Slot 2 PEM-3's: 7450 ESS-7 DC PEM-3 Slot 2 and 100 AMP DC Filter Bundle: Includes: (1) 3HE03664AA - 7450 ESS-7 100 AMP DC Power Entry Module-3 Slot 2 with (1) 3HE04500AA PWR FLT - 7450 ESS-7 100 AMP PWR FILTER Note: The 3HE04500AA - PWR FLT - 7450 ESS-7 100 AMP PWR FILTER (installed in the front of the chassis) is required for the 3HE03664AA - PEM - 7450 ESS-7 100A DC PEM-3 SLOT 2.	\$ 3,000.00	35%	\$ 1,950.00
3HE04519AA	Valere AC Power Shelf Status Cable, cable recommended to connect the ESS/SR-7 chassis to the AC Split Power Shelf (split or unsplit).	\$ 125.00	35%	\$ 81.25
3HE04521AA	Bundle for the 7750 SR-7 Slot Chassis for Slot 1 PEM-3's; 7750 SR-7 DC 100 AMP PEM-3 for Slot 1 and 100 AMP DC Filter Bundle, includes: (1) 3HE03662AA - 7750 SR-7 100A DC PEM-3 SLOT 1 with (1) 3HE04498AA PWR FLT - 7750 SR-7 100 AMP PWR FILTER Note: The 3HE04498AA - PWR FLT - 7750 SR-7 100 AMP PWR FILTER (installed in the front of the chassis) is required for the 3HE03662AA - 7750 SR-7 100A DC PEM-3 SLOT 1.	\$ 3,000.00	35%	\$ 1,950.00



3HE04522AA	Bundle for the 7750 SR-7 Slot Chassis for Slot 2 PEM-3's;  7750 SR-7 DC 100 AMP PEM-3 for Slot 1 and 100 AMP DC Filter Bundle, includes: (1) 3HE03661AA - 7750 SR-7 100A DC PEM-3 SLOT 2 with (1) 3HE04498AA PWR FLT - 7750 SR-7 100 AMP PWR FILTER  Note: The 3HE04498AA - PWR FLT - 7750 SR-7 100 AMP PWR FILTER (installed in the front of the chassis) is required for the 3HE03661AA -7750 SR-7 100A DC PEM-3 SLOT 2.	\$ 3,000.00	35%	\$ 1,950.00
3HE04606AA	ACC - 7750 SR-12 SLOT PEM-3 Upgrade Kit, includes: Lugs, Installations guide and Agency overlay	\$ 125.00	35%	\$ 81.25
3HE04607AA	ACC - 7750 SR-7 SLOT PEM-3 Upgrade Kit, includes: Lugs, Installations guide and Agency overlay	\$ 125.00	35%	\$ 81.25
3HE04707AA	SR/ESS/SAS/SAR4 GB Compact Flash - Spare (Blank)	\$ 1,400.00	35%	\$ 910.00
3HE04708AA	SR/ESS/SAS/SAR 8 GB Compact Flash - Spare (Blank)	\$ 2,300.00	35%	\$ 1,495.00
3HE04795WA	7750 SR-12 or SR-7 Release 11.0 Mobile Gateway (MG) OS License. Notes: (1) One OS License is required for each SR-7 or SR-12 in the network. Includes two (2) programmed 4GB Compact Flash cards with the OS.	\$ 10,000.00	35%	\$ 6,500.00
3HE04796AA	7750 SR MG-ISM Serving GW Attached Bearer License for 10,000 Bearers. Per Network license.	\$ 20,000.00	35%	\$ 13,000.00
3HE04797AA	7750 SR MG-ISM P-GW/GGSN Attached Bearer License for 10,000 Bearers/PDP Contexts. Per Network license.	\$ 40,000.00	35%	\$ 26,000.00
3HE04798AA	7750 SR MG-ISM Serving GW Application Software License Note: One license is required for each active MG-ISM (License is not required on the standby MG-ISM).	\$ 40,000.00	35%	\$ 26,000.00
3HE04799AA	7750 SR MG-ISM P-GW/GGSN Application Software License Note: One license is required for each active MG-ISM (License is not required on the standby MG-ISM).	\$ 40,000.00	35%	\$ 26,000.00
3HE04823AA	1-port 10GBASE-LR Small Form-Factor Pluggable+ (SFP+) Optics Module, Single Mode Fiber (SMF), 10km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant	\$ 3,995.00	35%	\$ 2,596.75
3HE04824AA	1-port 10GBASE-SR Small Form-Factor Pluggable+ (SFP+) Optics Module, 850 nm, 26 to 300 meters, LC Connector, RoHS 6/6 compliant	\$ 2,995.00	35%	\$ 1,946.75
3HE04923AA	SROS L2-aware NAT license. This is a per system license. Flow licenses not required for L2-Aware.	\$ 10,000.00	35%	\$ 6,500.00
3HE04925AA	SROS license to enable LNS capability. Per system license.	\$ 10,000.00	35%	\$ 6,500.00
3HE04927AA	SROS Residential Aggregate Control license - per 10 Gbps. Must use with equivalent capacity ID RTU. Aggregate means for traffic without per-subscriber context. Not used for VPN services. Per system and per active ISA license, or per network license.	\$ 10,000.00	35%	\$ 6,500.00
3HE04930AA	SROS Residential Aggregate Control license - per 1Gb/s. Aggregate means for traffic without per-subscriber context. Not used for VPN services. Per system and per active ISA license, or per network license.	\$ 2,000.00	35%	\$ 1,300.00
3HE04939CA	1-port 1000BASE CWDM Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, 1471 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 2,600.00	35%	\$ 1,690.00
3HE04939CB	1-port 1000BASE CWDM Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, 1491 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 2,600.00	35%	\$ 1,690.00
3HE04939CC	1-port 1000BASE CWDM Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, 1511 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 2,600.00	35%	\$ 1,690.00
3HE04939CD	1-port 1000BASE CWDM Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, 1531 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 2,600.00	35%	\$ 1,690.00
3HE04939CE	1-port 1000BASE CWDM Small Form-Factor Pluggable (SFP) OpticsModule, Single Mode Fiber (SMF), 40km, 1551 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 2,600.00	35%	\$ 1,690.00
3HE04939CF	1-port 1000BASE CWDM Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, 1571 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 2,600.00	35%	\$ 1,690.00
3HE04939CG	1-port 1000BASE CWDM Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, 1591 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 2,600.00	35%	\$ 1,690.00
3HE04939CH	1-port 1000BASE CWDM Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, 1611 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 2,600.00	35%	\$ 1,690.00
3HE04991AA	SAR-18 shelf that accepts up to 2 SAR-18 Control Switch Modules (CSMs) and up to 16 interface cards. Up to 12 SAR 8-type interface cards can be used. Other 4 slots are high speed interface cards specific to the SAR-18. Blanking plates included. -48VDC only.	\$ 10,000.00	35%	\$ 6,500.00
3HE04992AA	SAR-18 Control and Switch Module. Up to two per SAR-18 Shelf for CPU and fabric redundancy.	\$ 7,500.00	35%	\$ 4,875.00
3HE04993AA	SAR-18 Fan Module with a set of 8 fans	\$ 2,500.00	35%	\$ 1,625.00
3HE04994AA	SAR-18 Alarm Module with Alarm LEDs and I/O, as well as two BITS timing input/output ports.	\$ 750.00	35%	\$ 487.50
3HE04995AA	SAR-18 Replaceable Air Filters, 4 pack	\$ 600.00	35%	\$ 390.00
3HE05036AA	1-port 10GBASE-ER Small Form-Factor Pluggable+ (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1550 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant	\$ 11,995.00	35%	\$ 7,796.75
3HE05037AA	1-port 10GBASE-BX10-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 10km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Temperature 0/70C	\$ 3,995.00	35%	\$ 2,596.75
3HE05037AB	1-port 10GBASE-BX10-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 10km, TX: 1270 nm, RX: 1330 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Temperature 0/70C	\$ 3,995.00	35%	\$ 2,596.75
3HE05037BA	1-port 10GBASE-BX10-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 10km, TX: 1270 nm, RX: 1330 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Temperature 0/70C	\$ 3,995.00	35%	\$ 2,596.75
3HE05037BB	1-port 10GBASE-BX10-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 10km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Temperature 0/70C	\$ 3,995.00	35%	\$ 2,596.75
3HE05051AB	1RU SAR-M with 1 modular position configuration with redundant universal (-48V/+24V) DC power feeds. Node has 16 T1/E1 ASAP and 7 10/100/1000 Mbps Ethernet ports (4 SFP/3 RJ45) and built-in Control/Switch functionality. OS and other licenses sold separately.	\$ 13,200.00	35%	\$ 8,580.00
3HE05051BB	Conformal Coated 1RU SAR-M with 1 modular position configuration with redundant universal (-48V/+24V) DC power feeds. Node has 16 T1/E1 ASAP and 7 10/100/1000 Mbps Ethernet ports (4 SFP/3 RJ45) and built-in Control/Switch functionality. OS and other licenses sold separately.	\$ 14,800.00	35%	\$ 9,620.00
3HE05106AA	FAN - 7750 SR-12 Reduced Depth - Enhanced Fan Tray	\$ 2,900.00	35%	\$ 1,885.00
3HE05143AA	SROS initial 1Gb/s ID and control RTU license. Not needed if purchasing the 10G RTUs. Per system and active ISA license.	\$ 1,000.00	35%	\$ 650.00
3HE05144AA	SROS identification only license - per 1Gb/s increment. Not needed for first Gb/s. Per system and per active ISA license, or per network license.	\$ 8,000.00	35%	\$ 5,200.00
3HE05145AA	SROS identification only license - up to 10Gb/s. Per system and per active ISA license, or per network license.	\$ 40,000.00	35%	\$ 26,000.00
3HE05146AA	SROS Residential per-subscriber or VPN per-site control license - per additional 1Gb/s increment. Not needed for first Gb/s. Per system and per active ISA license, or per network license.	\$ 12,000.00	35%	\$ 7,800.00
3HE05147AA	SROS Residential per-subscriber or VPN per-site control license - per 10Gb/s. Must use with equivalent capacity identification RTU. Per system and per active ISA license, or per network license.	\$ 40,000.00	35%	\$ 26,000.00

3HE05148AA	SROS Software license to enable use of the ISA1 for IPsec Tunneling Applications, this is a per system and per active ISA1 license.	\$ 30,000.00	35%	\$ 19,500.00
3HE05149AA	SROS license to be able to use the MS-ISA for advanced video processing. Additional licenses are required for each video application. Per system and per active ISA license.	\$ 30,000.00	35%	\$ 19,500.00
3HE05150AA	SROS license to be able video add insertion per splice. Requires MS-ISA card + video base software license. Per system and per active ISA license.	\$ 6,250.00	35%	\$ 4,062.50
3HE05151AA	SROS license to be able Fast Channel Change (FCC) / Retransmissions (RET) for 1k subscribers. Requires MS-ISA card + video base software license. Per system and per active ISA license.	\$ 6,500.00	35%	\$ 4,225.00
3HE05152AA	SROS license to be able Fast Channel Change (FCC) / Retransmissions (RET) for 10k subscribers. Requires MS-ISA card + video base software license. Per system and per active ISA license.	\$ 40,000.00	35%	\$ 26,000.00
3HE05153AA	SROS NAT license for 6 Million bi-directional flows. This is a per system license.	\$ 30,000.00	35%	\$ 19,500.00
3HE05163AA	1-port 100/1000Base Dual Rate SGMII Small Form-Factor Pluggable (SFP) Optics Module, 1310nm, 40km, DDM Compliant	\$ 2,250.00	35%	\$ 1,462.50
3HE05164AA	1-port 100/1000Base Dual Rate SGMII Small Form-Factor Pluggable (SFP) Optics Module, 1310nm, 10km, DDM Compliant	\$ 1,200.00	35%	\$ 780.00
3HE05180AA	FAN - 7750 SR-7 Reduced Depth - Enhanced Fan Tray	\$ 4,800.00	35%	\$ 3,120.00
3HE05260AA	Optional mounting adapters for the 7705 SAR-M to install into ETSI racks	\$ 250.00	35%	\$ 162.50
3HE05574HA	SAR Release 9.0 OS License. One (1) OS License is required for each SAR-18 in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 1,500.00	35%	\$ 975.00
3HE05574JA	SAR Release 20.x OS License. One (1) OS License is required for each SAR-18 in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 1,500.00	35%	\$ 975.00
3HE05580AB	PS - 7210 SAS-T/Mxp ETR (200W) AC Power Supply	\$ 620.00	35%	\$ 403.00
3HE05581AB	PS - 7210 SAS-T/Mxp ETR -48V (200W) DC Power Supply	\$ 775.00	35%	\$ 503.75
3HE05581BB	PS - 7210 SAS-T/Mxp ETR -48V (200W) DC Conformal Coated Power Supply Must be used with Conformal Coated System to maximize benefit of CC.	\$ 975.00	35%	\$ 633.75
3HE05610AB	Same as 3HE05610AA. Part number for NAR Quote to cash (QTC) orders only.	Contact RBC's	35%	#VALUE!
3HE05610AC	Contracted Annual Software Subscription Plan (SSP) for 7705 SAR. Entitles Customer to unlimited nodal OS software upgrade licenses for one year. Annual contracts must be purchased against the total installed base for a given customer network or channel, for a particular product family (i.e. all 7705 SAR elements). Contact local B&P team or IPD BD for more information. Customer must complete Export Control Doc. prior to release of any S/W. Part number for use on all orders outside of NAR.	Contact RBC's	35%	#VALUE!
3HE05653AA	1RU SAR-M with 1 modular position with Ethernet ports only configuration with redundant universal (-48V/+24V) DC power feeds. Node has 7 10/100/1000 Mbps Ethernet ports (4 SFP/3 RJ45) and built-in Control/Switch functionality. OS and other licenses sold separately.	\$ 9,500.00	35%	\$ 6,175.00
3HE05653BA	Conformal Coated 1RU SAR-M with 1 modular position with Ethernet ports only configuration with redundant universal (-48V/+24V) DC power feeds. Node has 7 10/100/1000 Mbps Ethernet ports (4 SFP/3 RJ45) and built-in Control/Switch functionality. OS and other licenses sold separately.	\$ 10,650.00	35%	\$ 6,922.50
3HE05676AC	7210 SAS-D 6F4T Extended Temperature Range Ethernet AC system includes: (1) integrated AC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts(6) 100/1000 SFP. 128MB CF	\$ 2,050.00	35%	\$ 1,332.50
3HE05676AD	7210 SAS-D 6F4T Extended Temperature Range Ethernet DC system includes: (1) 7210 SAS -48V DC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts(6) 100/1000 SFP. 128MB CF	\$ 2,100.00	35%	\$ 1,365.00
3HE05677AC	7210 SAS-D 6F4T Ethernet AC system includes: (1) integrated AC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts (6) 100/1000 SFP. 128MB CF	\$ 1,430.00	35%	\$ 929.50
3HE05677AD	7210 SAS-D 6F4TEthernet DC system includes: (1) 7210 SAS -48V DC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts(6) 100/1000 SFP. 128MB CF	\$ 1,475.00	35%	\$ 958.75
3HE05681AD	7210 SAS-D 6F4T Ethernet AC system includes: (1) integrated AC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts (6) 100/1000 SFP. 128MB CF w NAR Power Cord	\$ 1,430.00	35%	\$ 929.50
3HE05681AE	7210 SAS-D 6F4T Ethernet AC system includes: (1) integrated AC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts (6) 100/1000 SFP. 128MB CF w UK Power Cord	\$ 1,430.00	35%	\$ 929.50
3HE05681AF	7210 SAS-D 6F4T Ethernet AC system includes: (1) integrated AC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts (6) 100/1000 SFP. 128MB CF w EUR Power Cord	\$ 1,430.00	35%	\$ 929.50
3HE05682AD	7210 SAS-D 6F4T Extended Temperature Range Ethernet AC system includes: (1) integrated AC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts (6) 100/1000 SFP. 128 MB CF w NAR Power Cord	\$ 2,050.00	35%	\$ 1,332.50
3HE05682AE	7210 SAS-D 6F4T Extended Temperature Range Ethernet AC system includes: (1) integrated AC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts (6) 100/1000 SFP.128MB CF w UK Power Cord	\$ 2,050.00	35%	\$ 1,332.50
3HE05682AF	7210 SAS-D 6F4T Extended Temperature Range Ethernet AC system includes: (1) integrated AC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts (6) 100/1000 SFP. 128MB CF w EUR Power Cord	\$ 2,050.00	35%	\$ 1,332.50
3HE05830CA	1-port 10GBASE-SR Small Form-Factor Pluggable (XFP) Optics Module, 850nm, 26 to 300 meters, LC Connector, RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 2,995.00	35%	\$ 1,946.75
3HE05831CA	1-port 10GBASE-LR Small Form-Factor Pluggable (XFP) Optics Module, Single Mode Fiber (SMF), 10km, 1310 nm, LC Connector, Digital Diagnostic Monitor(DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 3,995.00	35%	\$ 2,596.75
3HE05832CA	1-port 10GBASE-ER Small Form-Factor Pluggable (XFP) Optics Module, Single Mode Fiber (SMF), 40km, 1550 nm, LC Connector, Digital Diagnostic Monitor(DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 11,995.00	35%	\$ 7,796.75
3HE05833CA	1-port 10GBASE-ZR Small Form-Factor Pluggable (XFP) Optics Module, Single Mode Fiber (SMF), 80km, 1550nm, LC Connector, Digital Diagnostic Monitor(DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 19,995.00	35%	\$ 12,996.75
3HE05837BA	Used to connect 3HE05838AA 250W 120/240V AC power converter to SAR-8 Shelf v2, SAR-A/F/M shelves and any other shelf supporting O-ring connectors	\$ 260.00	35%	\$ 169.00
3HE05838AA	250W power adapter brick converting 120/240V AC to -48V DC. Requires separate pigtail for specific 7705 products.	\$ 1,550.00	35%	\$ 1,007.50
3HE06006AA	8 port multi-function card with 2 x FXS and 2 x FXO ports for analog voice, 2 x G.703 co-directional ports and 2 x C37.94 optical teleprotection ports. This card is supported in both -48 and +24VDC systems.	\$ 5,500.00	35%	\$ 3,575.00
3HE06006BA	Conformal Coated Variant of 8 port multi-function card with 2 x FXS and 2 x FXO ports for analog voice, 2 x G.703 co-directional ports and 2 x C37.94 optical teleprotection ports. This card is supported in both -48 and +24VDC systems.	\$ 6,200.00	35%	\$ 4,030.00
3HE06022AA	SAR-18 CSM Blanking Plate	\$ 450.00	35%	\$ 292.50
3HE06083AA	SR/ESS 32 GB Compact Flash - Spare (Blank)	\$ 7,000.00	35%	\$ 4,550.00
3HE06151AA	8-port GigE SFP Enhanced Performance Ethernet Card, supporting Ethernet/VLAN services. Includes 8 SyncE capable GigE ports. SFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 6,200.00	35%	\$ 4,030.00
3HE06151AC	8-port GigE SFP Enhanced Performance Ethernet Card v3 w. Large Tables, encryption capable and supporting Ethernet/VLAN services. Includes 8 SyncE capable GigE ports. SFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems. Note: SW license (3HE09302AA) required to enable hardware encryption (RTU-8 PORT GE SFP CARD V3 Encrypt)	\$ 7,750.00	35%	\$ 5,037.50
3HE06151BA	8-port GigE SFP Enhanced Performance Ethernet Card, supporting Ethernet/VLAN services. Includes 8 SyncE capable GigE ports. SFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 7,200.00	35%	\$ 4,680.00

3HE06151BC	Conformal Coated Variant of 8-port GigE SFP Enhanced Performance Ethernet Card v3 w. Large Tables, encryption capable and supporting Ethernet/VLAN services. Includes 8 SyncE capable GigE ports. SFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems. Note: SW license (3HE09302AA) required to enable hardware encryption (RTU-8 PORT GE SFP CARD V3 Encrypt)	\$ 8,800.00	35%	\$ 5,720.00
3HE06153AC	1-port 10GigE or 10-port 1GigE 10G-Card v2, encryption capable. Supports one of two modes. In 1-port 10GigE mode, only one SFP+ based port can be used for nw connectivity with the other ports disabled. In 10-port 1GigE mode, ten SFP based ports can be used for access or nw connectivity. SFP/SFP+ sold separately. Additional RTU (3HE09302BA) required to use HW Encryption.	\$ 37,500.00	35%	\$ 24,375.00
3HE06289AA	7x50 IMM RTU license for limited VPRN support on IMMs with capacity of up to 50Gb/s. This is a per IMM license, limited to 8 VPRNs. Required for access as well as network facing ports.	\$ 15,000.00	35%	\$ 9,750.00
3HE06290AA	7x50 IMM RTU license for full VPRN support on IMMs with capacity of up to 50Gb/s. This is a per IMM license to scale up to the max VPRNs supported on the IMM.	\$ 45,000.00	35%	\$ 29,250.00
3HE06305AA	IMM RTU License Upgrade from L3BQ to L3HQ for 12 port 10GE IMM . RTU license upgrade is tied to the specific IMM linecard for which it is purchased. Customers are required to provide the serial number of the IMM linecard for which the RTU license is being purchased.	\$ 235,000.00	35%	\$ 152,750.00
3HE06336AA	PS - 7210 SAS-M/Mxp/T ETR +24V DC Power supply	\$ 850.00	35%	\$ 552.50
3HE06336AB	PS - 7210 SAS-T/Mxp ETR +24V (200W) DC Power Supply	\$ 900.00	35%	\$ 585.00
3HE06338AA	ACC - 7210 SAS-M/Mxp/T 23" rack mount (5 set pack)	\$ 120.00	35%	\$ 78.00
3HE06339AA	ACC - 7210 SAS-M/Mxp/T Fan tray filter (10 pack)	\$ 250.00	35%	\$ 162.50
3HE06418AA	SROS RTP Performance Measurement per 10G/s traffic license. Per system and per active ISA license, or per network license.	\$ 25,000.00	35%	\$ 16,250.00
3HE06420AA	Kit used to upgrade existing 7705 T1/E1 distribution panels (3HE03394AA, 3HE03395AA, 3HE04430AA) to meet IEEE1613 and IEC 61850-3 environmental specifications	\$ 175.00	35%	\$ 113.75
3HE06485AA	1-port 40GBase LR4 10km QSFP+ Optics Module, 10km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 10,000.00	35%	\$ 6,500.00
3HE06486AA	SROS Enhanced Subscriber Management (ESM) base license. This base ESM license is required for using the ESM features on 7x50 platforms for IPoE, PPPoE, PPOA, and L2TP subscribers. Use of embedded DHCPv4 and DHCPv6 server functionality on 7x50 is also included in this license.  This is a per system license applicable to all 7x50 platforms using any flavor or IMM, IOM , MDA or CMA.  It applies to both layer-2 and layer-3 ( routed CO) ESM models, and includes IPv4, IPv6 and dual-stack access. Requires L2HQ or L3HQ licenses on the IMM modules. Additional per subscriber licenses apply.	\$ 20,000.00	35%	\$ 13,000.00
3HE06487AA	SROS Enhanced Subscriber Management (ESM) subscriber-host license for up to 4K subscriber-hosts.  This is a per system license. Multiple of these RTUs could be bought to match the total number of subscribers targetted to be supported on the chassis.	\$ 4,000.00	35%	\$ 2,600.00
3HE06488AA	RTU - 7x50 Enhanced Subscriber Management (ESM) subscriber-host license for up to 16K subscriber-hosts.  This is a per chassis license. Multiple of these RTUs could be bought to match the total number of subscribers targetted to be supported on the chassis.	\$ 12,000.00	35%	\$ 7,800.00
3HE06489AA	SROS Enhanced Subscriber Management (ESM) subscriber-host license for up to 32K subscriber-hosts.  This is a per system license. Multiple of these RTUs could be bought to match the total number of subscribers targetted to be supported on the chassis.	\$ 20,000.00	35%	\$ 13,000.00
3HE06490AA	SROS Enhanced Subscriber Management (ESM) subscriber-host license for up to 64K subscriber-hosts.  This is a per system license. Multiple of these RTUs could be bought to match the total number of subscribers targetted to be supported on the chassis.	\$ 32,000.00	35%	\$ 20,800.00
3HE06491AA	SROS Enhanced Subscriber Management (ESM) subscriber-host license for up to 128K subscriber-hosts.  This is a per system license. Multiple of these RTUs could be bought to match the total number of subscribers targetted to be supported on the chassis.	\$ 60,000.00	35%	\$ 39,000.00
3HE06520AA	SROS Enable RTP Performance license. Must be ordered as a pre-requisite to the RTP 1G or 10G RTUs. Per system and per active ISA license, or per network license.	\$ -	35%	\$ -
3HE06537AB	7210 SAS-D 6F4T Extended Temperature Range Ethernet +24V DC system includes: (1) 7210 SAS DC Power Supply, 7210 SAS Operating Software, (4) 10/100/1000 TX + Accepts(6) 100/1000 SFP. 128MB CF	\$ 2,150.00	35%	\$ 1,397.50
3HE06582AA	1-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1471 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582AB	1-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1491 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582AC	1-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1511 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582AD	1-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1531 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582AE	1-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1551 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582AF	1-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1571 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582AG	1-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1591 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582AH	1-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1611 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582BA	1-color CWDM add-drop OADM module for the SAR-M. 1 Tx and 1 Rx at 1471 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582BB	1-color CWDM add-drop OADM module for the SAR-M. 1 Tx and 1 Rx at 1491 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582BC	1-color CWDM add-drop OADM module for the SAR-M. 1 Tx and 1 Rx at 1511 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582BD	1-color CWDM add-drop OADM module for the SAR-M. 1 Tx and 1 Rx at 1531 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582BE	1-color CWDM add-drop OADM module for the SAR-M. 1 Tx and 1 Rx at 1551 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582BF	1-color CWDM add-drop OADM module for the SAR-M. 1 Tx and 1 Rx at 1571 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582BG	1-color CWDM add-drop OADM module for the SAR-M. 1 Tx and 1 Rx at 1591 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06582BH	1-color CWDM add-drop OADM module for the SAR-M. 1 Tx and 1 Rx at 1611 nm is filtered by East and West directions.	\$ 5,000.00	35%	\$ 3,250.00
3HE06583AA	2-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1471 and 1491 nm are filtered by East and West directions.	\$ 8,000.00	35%	\$ 5,200.00
3HE06583AB	2-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1511 and 1531 nm are filtered by East and West directions.	\$ 8,000.00	35%	\$ 5,200.00
3HE06583AC	2-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1551 and 1571 nm are filtered by East and West directions.	\$ 8,000.00	35%	\$ 5,200.00
3HE06583AD	2-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1591 and 1611 nm are filtered by East and West directions.	\$ 8,000.00	35%	\$ 5,200.00
3HE06584AA	4-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1471, 1491, 1511 and 1531 nm are filtered from the line (single direction) with expansion port.	\$ 8,000.00	35%	\$ 5,200.00
3HE06584AB	4-color CWDM add-drop OADM module for the SAR-8/18. 1 Tx and 1 Rx at 1551, 1571, 1591 and 1611 nm are filtered from the line (single direction) with expansion port.	\$ 8,000.00	35%	\$ 5,200.00
3HE06585AA	8-color CWDM optical Mux/Demux module for the SAR-8/18. 1 Tx and 1 Rx at 1471, 1491, 1511, 1531, 1551, 1571, 1591 and 1611 nm are filtered from the line (single direction).	\$ 10,000.00	35%	\$ 6,500.00

3HE06681HA	SAR Release 9.0 OS Upgrade for the basic suite of functionality. One (1) OS Upgrade is required for each SAR-18 in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 1,200.00	35%	\$ 780.00
3HE06681JA	SAR Release 20.x OS Upgrade for the basic suite of functionality. One (1) OS Upgrade is required for each SAR-18 in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 1,200.00	35%	\$ 780.00
3HE06693AA	PS - PS - 7210 SAS-D ETR External power supply AC. Needs ETR External PS tray to rack mount	\$ 240.00	35%	\$ 156.00
3HE06694AA	PS - 7210 SAS-D ETR External power supply DC -48V. Needs ETR External PS tray to rack mount.	\$ 260.00	35%	\$ 169.00
3HE06695AA	PS - 7210 SAS-D ETR External power supply DC +24V. Needs ETR External PS tray to rack mount.	\$ 260.00	35%	\$ 169.00
3HE06696AA	ACC - 7210 SAS-D rack mount kit Not suitable for ETR version with external PS	\$ 80.00	35%	\$ 52.00
3HE06697AA	ACC - 7210 SAS-D ETR external PS tray Only required when installing ETR version external PS Replaces ACC - 7210 SAS-D rack mount kit	\$ 200.00	35%	\$ 130.00
3HE06788AA	Expansion module with 2-port 10GigE XFPs for Network (Ring) connectivity. 10GigE switching between ports. XFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 5,200.00	35%	\$ 3,380.00
3HE06788BA	Conformal Coated Variant of Expansion module with 2-port 10GigE XFPs for Network (Ring) connectivity. 10GigE switching between ports. XFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 5,850.00	35%	\$ 3,802.50
3HE06789AA	2-port 10GigE Network connectivity (Ring) Card. 10GigE switching between ports. XFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 10,200.00	35%	\$ 6,630.00
3HE06789BA	Conformal Coated Variant of 2-port 10GigE Network connectivity (Ring) Card. 10GigE switching between ports. XFPs sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 11,450.00	35%	\$ 7,442.50
3HE06791AA	SAR-8 Shelf V2 that accepts redundant DC-power feeds and up to 2 CSMs (V1 or V2) and up to 6 interface cards. Fan Module must be version associated with this V2 shelf. 6 Blanking plates included.	\$ 2,500.00	35%	\$ 1,625.00
3HE06791BA	Conformal Coated SAR-8 Shelf V2 that accepts redundant DC-power feeds and up to 2 CSMs (V1 or V2) and up to 6 interface cards. Fan Module must be version associated with this V2 shelf. 6 Blanking plates included.	\$ 3,000.00	35%	\$ 1,950.00
3HE06792EA	Fan Module with extended temperature Range. Installs into SAR-8 Shelf v2 (3HE06791AA). -48/+24 VDC	\$ 1,100.00	35%	\$ 715.00
3HE06792FA	Conformal Coated Variant of Fan Module with extended temperature Range. Installs into SAR-8 Shelf v2 (3HE06791AA). -48/+24 VDC	\$ 1,800.00	35%	\$ 1,170.00
3HE06794AA	Terminates 8 analog FXO interfaces to a central PBX. RJ45 connector access (2 ports/connector). This card is supported in both -48 VDC and +24 VDC systems.	\$ 5,000.00	35%	\$ 3,250.00
3HE06794BA	Conformal Coated Variant of FXO card. Terminates 8 analog FXO interfaces to a central PBX. RJ45 connector access (2 ports/connector). This card is supported in both -48 VDC and +24 VDC systems.	\$ 5,600.00	35%	\$ 3,640.00
3HE06796AA	1RU SAR-A with redundant -48V DC power feeds. Node has 4xRJ45/SFP combo GigE ports, 4xSFP GigE ports and 4xRJ45 FE ports. OS and other licenses sold separately.	\$ 9,500.00	35%	\$ 6,175.00
3HE06797AA	1RU SAR-A with redundant -48V DC power feeds. Node has 4xRJ45/SFP combo GigE ports, 4xSFP GigE ports, 4xRJ45 FE ports and 8 T1/E1 ports. OS and other licenses sold separately.	\$ 13,200.00	35%	\$ 8,580.00
3HE06936AA	7950 XRS-20 XCM (XMA Control Module). Provides 800G of Slot Switching Capacity. Accepts (2) XMAS and/or C-XMAS.	\$ 50,000.00	35%	\$ 32,500.00
3HE06969AA	SAR-H shelf with high voltage power input (88 - 300V AC or DC). Contains 4 x SFP GigE and 4 x RJ45 10/100/1000 PoE-capable ethernet ports and two module positions. AC power cord 3HE10447AA for Japan is sold separately. OS and other licenses sold separately.	\$ 12,000.00	35%	\$ 7,800.00
3HE06969BA	SAR-H shelf with low voltage power input (+24/-48V DC). Contains 4 x SFP GigE and 4 x RJ45 10/100/1000 PoE-capable ethernet ports and two module positions. OS and other licenses sold separately.	\$ 12,000.00	35%	\$ 7,800.00
3HE06969CA	Conformal Coated SAR-H shelf with high voltage power input (88 - 300V AC or DC). Contains 4 x SFP GigE and 4 x RJ45 10/100/1000 PoE-capable ethernet ports and two module positions. AC power cord 3HE10447AA for Japan is sold separately. OS and other licenses sold separately.	\$ 13,500.00	35%	\$ 8,775.00
3HE06969DA	Conformal Coated SAR-H shelf with low voltage power input (+24/-48V DC). Contains 4 x SFP GigE and 4 x RJ45 10/100/1000 PoE-capable ethernet ports and two module positions. OS and other licenses sold separately.	\$ 13,450.00	35%	\$ 8,742.50
3HE06970AA	External supply required to supply additional PoE power to the SAR-H. Can also be used to provide 48VDC (nominal) to other equipment via 9 pin D-sub connector. 85-265V AC or 88-300V DC input. 100W output power. -40 to +65C operation. IP40 enclosure rating. AC power cord 3HE10447AA for Japan is sold separately.	\$ 3,700.00	35%	\$ 2,405.00
3HE06970BA	External supply required to supply additional PoE power to the SAR-H. Can be used to provide 48VDC (nominal) to other equipment via 9 pin D-sub connector. 20-75V DC input. 100W output power. -40 to +65C operation. IP40 enclosure rating.	\$ 5,300.00	35%	\$ 3,445.00
3HE06971AA	1RU tray to house up to 2 x 3HE06970xA 100W power supplies	\$ 450.00	35%	\$ 292.50
3HE06972AB	PSE Certified 100W High Voltage Power Supply - Requires a single 85-264VAC or 88-300VDC input, and provides a single 54VDC output (6' cable length) to provide power to one terminal of a 7705 SAR main chassis. This supply is DIN rail or wall/panel mountable with mounting hardware included.  Does not include AC cord. AC cords (3HE10447AA or 3HE10040AA or 3HE10041AA) needs to be ordered separately.	\$ 750.00	35%	\$ 487.50
3HE06973AA	Combo module supporting 2 x T1/E1 ports with TDM and IP functionality and 2 x RS232 serial data ports. RJ45 connectors for interconnection to end equipment.	\$ 2,500.00	35%	\$ 1,625.00
3HE06973BA	Conformal Coated Variant of Combo module supporting 2 x T1/E1 ports with TDM and IP functionality and 2 x RS232 serial data ports. RJ45 connectors for interconnection to end equipment.	\$ 3,050.00	35%	\$ 1,982.50
3HE07112AA	7950 XRS-20 Integrated Chassis bundle, includes the following;  (1) 3HE07113AA - CHAS - 7950 XRS-20 Spare Chassis, (2) 3HE07119AA - FAN - 7950 XRS-20 Fan Tray, (2) 3HE07117AA - CCM - 7950 XRS-20 CCM (1) 3HE07389AA - ACC - 7950 SFM/CPM Impedance Panel Accessory kit & Air Filters included	\$ 260,000.00	35%	\$ 169,000.00
3HE07113AA	CHAS - 7950 XRS-20 Spare Chassis	\$ 240,000.00	35%	\$ 156,000.00
3HE07116AA	7950 XRS-20 Control Processor Module (CPM) -(Spare)	\$ 140,000.00	35%	\$ 91,000.00
3HE07116AB	7950 XRS-20 Control Processor Module (CPM) -(Spare)	\$ 145,000.00	35%	\$ 94,250.00
3HE07117AA	7950 XRS-20 Connection and Control Module (CCM) - (Spare)	\$ 15,000.00	35%	\$ 9,750.00
3HE07118AB	7950 XRS-20 Air Filter - (Spare); Includes both main system and APEQ air filters	\$ 6,300.00	35%	\$ 4,095.00
3HE07119AA	7950 XRS-20 Fan Tray - (Spare)	\$ 11,900.00	35%	\$ 7,735.00
3HE07152AA	Power injector card allows up to two MPR-e to draw power from SAR-8/18 chassis directly via copper 1000BaseT link. Lightning protection and voltage surge suppression is supported. -48VDC	\$ 1,300.00	35%	\$ 845.00
3HE07161CA	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1471 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 11,995.00	35%	\$ 7,796.75

3HE07161CB	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1491 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 11,995.00	35%	\$ 7,796.75
3HE07161CC	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1511 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 11,995.00	35%	\$ 7,796.75
3HE07161CD	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1531 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 11,995.00	35%	\$ 7,796.75
3HE07161CE	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1551 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 11,995.00	35%	\$ 7,796.75
3HE07161CF	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1571 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 11,995.00	35%	\$ 7,796.75
3HE07161CG	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1591 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 11,995.00	35%	\$ 7,796.75
3HE07161CH	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1611 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 11,995.00	35%	\$ 7,796.75
3HE07165AA	7750 SR12e DC Integrated Chassis bundle, includes the following: (1) 3HE07440AB - 7750 SR12e Chassis (3) 3HE07168AA - 7750 SR12e Fan Trays	\$ 90,000.00	35%	\$ 58,500.00
3HE07168AA	FAN - 7750 SR12e Fan Tray	\$ 4,350.00	35%	\$ 2,827.50
3HE07279AA	SROS RTP Performance Measurement per 1Gb/s of traffic license. Per system and per active ISA license, or per network license.	\$ 5,000.00	35%	\$ 3,250.00
3HE07297AA	7950 XRS 40-port 10GE SFP+ XMA. Includes License for IP Core feature set. Provides support for a total IP FIB size of up to 1M entries (IPv4+IPv6; actual maximum number of entries achievable depends on route distribution), a MAC FIB size of 128k entries, and 8 ingress + 8 egress user defined queues per physical port.	\$ 800,000.00	35%	\$ 520,000.00
3HE07297BA	7950 XRS 40-port 10GE SFP+ XMA. Includes License for LSR Feature set. Provides support for a total IP FIB size of 64k (IPv4+IPv6), and 8 ingress + 8 egress user defined queues per physical port.	\$ 350,000.00	35%	\$ 227,500.00
3HE07310AA	SROS Base WIFI aggregation License. This is a per system license.	\$ 60,000.00	35%	\$ 39,000.00
3HE07310AB	SROS Diameter Credit Control License. This is a per system license.	\$ 20,000.00	35%	\$ 13,000.00
3HE07310AC	SROS Multiple SSID Support License. This is a per system license.	\$ 20,000.00	35%	\$ 13,000.00
3HE07310AD	SROS Inter-AP WIFI Mobility License. This is a per system license.	\$ 20,000.00	35%	\$ 13,000.00
3HE07310AE	SROS WIFI Agg. 4K - shaped AP tunnels. This is a per system license.	\$ 4,000.00	35%	\$ 2,600.00
3HE07310AF	SROS WIFI Agg. 8K - shaped AP tunnels. This is a per system license.	\$ 6,000.00	35%	\$ 3,900.00
3HE07310AG	SROS WIFI Agg. 16K - shaped AP tunnels. This is a per system license.	\$ 10,000.00	35%	\$ 6,500.00
3HE07310AH	SROS WIFI Agg. 32K - shaped AP tunnels. This is a per system license.	\$ 20,000.00	35%	\$ 13,000.00
3HE07310AJ	SROS WIFI Agg. 64K - shaped AP tunnels. This is a per system license.	\$ 30,000.00	35%	\$ 19,500.00
3HE07310AK	SROS WIFI Agg. 128K - shaped AP tunnels. This is a per system license.	\$ 60,000.00	35%	\$ 39,000.00
3HE07310AL	SROS WLAN to 3G/4G Interworking License. This is a per system license.	\$ 50,000.00	35%	\$ 32,500.00
3HE07310AM	SROS WLAN to 3G/4G - 4K Bearers. This is a per system license.	\$ 4,000.00	35%	\$ 2,600.00
3HE07310AN	SROS WLAN to 3G/4G - 8K Bearers. This is a per system license.	\$ 8,000.00	35%	\$ 5,200.00
3HE07310AP	SROS WLAN to 3G/4G - 16K Bearers. This is a per system license.	\$ 16,000.00	35%	\$ 10,400.00
3HE07310AR	SROS WLAN to 3G/4G - 32K Bearers. This is a per system license.	\$ 25,000.00	35%	\$ 16,250.00
3HE07310AT	SROS WLAN to 3G/4G - 64K Bearers. This is a per system license.	\$ 50,000.00	35%	\$ 32,500.00
3HE07310AU	SROS WLAN to 3G/4G - 128K Bearers. This is a per system license.	\$ 75,000.00	35%	\$ 48,750.00
3HE07310AV	SROS WLAN to 3G/4G - 256K Bearers. This is a per system license.	\$ 100,000.00	35%	\$ 65,000.00
3HE07315AA	7750 SR P-GW/GGSN Application Assurance License for 10,000 active Bearers/PDP Contexts. Per Network license.	\$ 4,000.00	35%	\$ 2,600.00
3HE07353AA	SAR-Hc with redundant (20-75V) DC power feeds. DIN rail or panel mountable. Node has 6 10/100/1000 Mbps Ethernet ports (2 SFP, 2 RJ45, 2 POE RJ45), and 2 RS232 ports . OS and other licenses sold separately. DIN rail or panel mounting hardware sold separately.	\$ 6,750.00	35%	\$ 4,387.50
3HE07353BA	SAR-Hc with conformal coating on internal PCBs. Has redundant (20-75V) DC power feeds. DIN rail or panel mountable. Node has 6 10/100/1000 Mbps Ethernet ports (2 SFP, 2 RJ45, 2 POE RJ45), and 2 RS232 ports . OS and other licenses sold separately. DIN rail or panel mounting hardware sold separately.	\$ 7,600.00	35%	\$ 4,940.00
3HE07354AA	RTU - PoE/PoE+ license for PoE-capable ports in the SAR-W/H/Hc as well as the SAR-M Ethernet Module. One (1) OS License is required for each SAR-W/H/Hc/M in the network (not needed for PoE variants of the SAR-Wx).	\$ 800.00	35%	\$ 520.00
3HE07354AB	RTU - IP Multicast license. One (1) OS License is required for each SAR in the network.	\$ 1,700.00	35%	\$ 1,105.00
3HE07354AC	RTU - IP IEEE1588 PTP Time/Phase license. Applicable to 1588 Slave or Boundary or Grandmaster Clocks. OAM performance can be improved with PTP time accuracy. One (1) OS License is required for each SAR in the network.	\$ 800.00	35%	\$ 520.00
3HE07354AF	RTU - 7705 SAR-8/18 Multi Drop Data Bridging (MDDB) RTU License for use on the 3HE07942AA Integrated Services Card (ISC). One (1) MDDB License required for up to 25 SAR-8/18s in the network using the ISC card. Incremental license (3HE07354AH) required for each node beyond 25 in network. Supports a maximum of 16 bridges per card with each bridge supporting 30 branches. SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 50,000.00	35%	\$ 32,500.00
3HE07354AH	RTU - 7705 SAR-8/18 Multi Drop Data Bridging (MDDB) RTU License for additional nodes using the 3HE07942AA Integrated Services Card (ISC). One (1) MDDB License required for up each SAR-8/18 in the network using the ISC card beyond the 25 associated with the 3HE07354AF RTU- MDDB License. Supports a maximum of 16 bridges per card with each bridge supporting 30 branches. SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 2,000.00	35%	\$ 1,300.00
3HE07354AJ	RTU - 7705 SAR-8/18 PCM Multidrop Bridging RTU License for use on the 3HE07942AA Integrated Services Card (ISC). One (1) PCM Multidrop License required for up to 25 SAR-8/18s in the network using the ISC card. Incremental license (3HE07354AK) required for each node beyond 25 in network. Supports a maximum of 16 bridges per card with each bridge supporting 30 branches (E1) or 24 branches (T1). SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 50,000.00	35%	\$ 32,500.00
3HE07354AK	RTU - 7705 SAR-8/18 PCM Multidrop Bridging RTU License for additional nodes using the 3HE07942AA Integrated Services Card (ISC). One (1) PCM Multidrop License (Additional Nodes) required for up each SAR-8/18 in the network using the ISC card beyond the 25 associated with the 3HE07354AJ RTU- PCM Multidrop Bridging License. Supports a maximum of 16 bridges per card with each bridge supporting 30 branches (E1) or 24 branches (T1). SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 2,000.00	35%	\$ 1,300.00
3HE07354AN	RTU - 7705 SAR-8/18 Voice Conference Bridging (VCB) RTU License for use on the 3HE07942AA Integrated Services Card (ISC). One (1) VCB License required for up to 25 SAR-8/18s in the network using the ISC card. Incremental license (3HE07354AP) required for each node beyond 25 in network. Supports a maximum of 16 bridges per card with each bridge supporting 30 branches (E1) or 24 branches (T1). SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 50,000.00	35%	\$ 32,500.00

3HE07354AP	RTU - 7705 SAR-8/18 Voice Conference Bridging (VCB) RTU License for additional nodes using the 3HE07942AA/BA Integrated Services Card (ISC). One (1) VCB Multidrop License (Additional Nodes) required for up each SAR-8/18 in the network using the ISC card beyond the 25 associated with the 3HE07354AN RTU- VCB License. Supports a maximum of 16 bridges per card with each bridge supporting 30 branches (E1) or 24 branches (T1). SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 2,000.00	35%	\$ 1,300.00
3HE07354AR	RTU - VPN Multicast license. One (1) OS License is required for each SAR in the network.	\$ 1,700.00	35%	\$ 1,105.00
3HE07357AA	Kit contains DIN rail bracket and hardware to mount the SAR-Hc to a DIN rail from the rear of the chassis.	\$ 250.00	35%	\$ 162.50
3HE07357AB	Kit contains DIN rail bracket and hardware to mount the SAR-Hc to a DIN rail from the side of the chassis.	\$ 250.00	35%	\$ 162.50
3HE07373AA	7950 XRS-20 Top air flow deflector (plenum accessory)	\$ 4,500.00	35%	\$ 2,925.00
3HE07388AA	7950 XRS-20 XCM Impedance Panel. Must be installed in each and every empty XCM slot.	\$ 2,700.00	35%	\$ 1,755.00
3HE07389AA	7950 XRS-20 SFM and CPM Impedance Panel. Must be installed in each and every empty SFM slot and each empty CPM slot.	\$ 2,000.00	35%	\$ 1,300.00
3HE07390AA	7950 XRS-20 XMA Impedance Panel. Must be installed in each and every empty XMA slot.	\$ 1,400.00	35%	\$ 910.00
3HE07391AA	7950 XRS-20 C-XMA Mechanical Adapter. (Spare)	\$ 850.00	35%	\$ 552.50
3HE07392AA	7950 XRS-20 C-XMA Impedance Panel. (Spare)	\$ 1,300.00	35%	\$ 845.00
3HE07440AB	7750 SR12e Chassis Spare. Includes; 7750 SR12e Chassis & Fan Filter.	\$ 85,000.00	35%	\$ 55,250.00
3HE07442AA	7750 SR-12e LUG KIT contains the following; #4AWG 1/4" with 0.625" spacing - Qty 18	\$ 1,500.00	35%	\$ 975.00
3HE07457AA	7750 SR12e Air & APEQ Filter Qty 5	\$ 4,000.00	35%	\$ 2,600.00
3HE07460AA	7750 SR12e Accessory Kit Includes: Mounting Hardware, Wrist Strap, 6' Null Cable DB9F - DB9F	\$ 550.00	35%	\$ 357.50
3HE07463AA	SROS VPLS Service Right To Use License. A per system license. Allows the use of up to 64 VPLS service instances in one system (any mix of VPLS types). Not controlled by this license: Number of SAPs, queues, policers, RTU for EVPN in VPLS instances.	\$ 20,000.00	35%	\$ 13,000.00
3HE07464AA	SROS VPLS Service Right To Use License. A per system license. Allows the use of up to 512 VPLS service instances in one system (any mix of VPLS types). Not controlled by this license: Number of SAPs, queues, policers, RTU for EVPN in VPLS instances.	\$ 30,000.00	35%	\$ 19,500.00
3HE07465AA	SROS VPLS Service Right To Use License. A per system license. Allows the use of up to 2,000 VPLS service instances in one system (any mix of VPLS types). Not controlled by this license: Number of SAPs, queues, policers, RTU for EVPN in VPLS instances.	\$ 40,000.00	35%	\$ 26,000.00
3HE07466AA	SROS VLL Service Right To Use License. A per system license. Allows the use of up to 256 terminating VLL service instances in one system. This license also adds the RTU for support of full scale dynamic multi-segment pseudowire routing (stitching). The RTU for statically configured pseudowire switching is also included, and each static switched VLL counts towards the 256 VLL limit. Not controlled by this license: Number of SAPs, queues or policers, RTU for EVPN in VLL instances.	\$ 20,000.00	35%	\$ 13,000.00
3HE07467AA	SROS VLL Service Right To Use License. A per system license. Allows the use of up to 4,000 terminating VLL service instances in one system. This license also adds the RTU for support of full scale dynamic multi-segment pseudowire routing (stitching). The RTU for statically configured pseudowire switching is also included, and each static switched VLL counts towards the 4095 VLL limit. Not controlled by this license: Number of SAPs, queues or policers, RTU for EVPN in VLL instances.	\$ 30,000.00	35%	\$ 19,500.00
3HE07468AA	SROS VLL Service Right To Use License. A per system license. Allows the use of up to 32,000 terminating VLL service instances in one system. This license also adds the RTU for support of full scale dynamic multi-segment pseudowire routing (stitching). The RTU for statically configured pseudowire switching is also included, and each static switched VLL counts towards the 32767 VLL limit. Not controlled by this license: Number of SAPs, queues or policers, RTU for EVPN in VLL instances.	\$ 40,000.00	35%	\$ 26,000.00
3HE07469AA	SROS SAP Right To Use License. A per system license. Allows the use of up to 32767 SAPs across all services. Not controlled by this license: RTU for VLL,VPLS or VPRN service instances.	\$ 5,000.00	35%	\$ 3,250.00
3HE07470AA	7950 XRS Advanced Peering Right To Use License. A per system license. Allows the use of Inter-AS support for unicast and multicast L2 and L3 services (actual services at the PE are licensed separately). Not controlled by this license: Number of VPRN, VPLS or VLL service instances. Prerequisites: No LSR Level C-XMAs or XMAs can be present in the system unless they have the associated ""LIC UP - LSR to IPCore"" license."	\$ 20,000.00	35%	\$ 13,000.00
3HE07471AA	7950 XRS Advanced BGP Right To Use License. A per system license. Allows the use of the QPPB, FlowSpec and Policy Accounting features. Prerequisites: No LSR Level C-XMAs or XMAs can be present in the system unless they have the associated "LIC UP - LSR to IPCore" license.	\$ 20,000.00	35%	\$ 13,000.00
3HE07473AA	SROS basic cFlowd license. A per system license. Allows the use of all cFlowd functionality.	\$ 20,000.00	35%	\$ 13,000.00
3HE07475AA	7950 XRS QoS Right To Use License. A per C-XMA/XMA license. Allows the use of up to 8191 ingress policers/queues (combined sum of policers plus queues) and up to 8191 egress policers/queues (combined sum of policers plus queues) on a C-XMA/XMA. QoS RTU license is tied to the specific C-XMA/XMA (tied to the serial number) for which it is purchased.	\$ 150,000.00	35%	\$ 97,500.00
3HE07476AA	C-XMA Right To Use License Upgrade from LSR to IPCore for 20-port 10GE SFP+ C-XMA. RTU license is tied to the specific C-XMA (tied to the serial number) for which it is purchased.	\$ 300,000.00	35%	\$ 195,000.00
3HE07477AA	C-XMA Right To Use License Upgrade from LSR to IPCore for 2-port 100GE CFP C-XMA. RTU license is tied to the specific C-XMA (tied to the serial number) for which it is purchased.	\$ 325,000.00	35%	\$ 211,250.00
3HE07479AA	XMA Right To Use License Upgrade from LSR to IPCore for 40-port 10GE SFP+ XMA. RTU license is tied to the specific XMA (tied to the serial number) for which it is purchased.	\$ 550,000.00	35%	\$ 357,500.00
3HE07481AA	XMA Right To Use License Upgrade from LSR to IPCore for 4-port 100GE XMA. RTU license is tied to the specific XMA (tied to the serial number) for which it is purchased.	\$ 600,000.00	35%	\$ 390,000.00
3HE07529AA	OSP cabinet 10/100/1000BT Ethernet surge protector, single line	\$ 1,270.00	35%	\$ 825.50
3HE07592AA	SROS VLL Service Right To Use License. A per system license. Allows the use of up to 64,000 terminating VLL service instances in one system. This license also adds the RTU for support of full scale dynamic multi-segment pseudowire routing (stitching). The RTU for statically configured pseudowire switching is also included, and each static switched VLL counts towards the 65535 VLL limit. Not controlled by this license: Number of SAPs, queues or policers, RTU for EVPN in VLL instances.	\$ 75,000.00	35%	\$ 48,750.00
3HE07593AA	SROS 64K SAP Right To Use License. A per system license. Allows the use of up to 65535 SAPs across all services. Not controlled by this license: RTU for VLL,VPLS or VPRN service instances.	\$ 35,000.00	35%	\$ 22,750.00
3HE07594AA	7950 XRS QoS Right To Use License. A per C-XMA/XMA license. Allows the use of up to 32767 ingress policers/queues (combined sum of policers plus queues) and up to 32767 egress policers/queues (combined sum of policers plus queues) on a C-XMA/XMA. QoS RTU license is tied to the specific C-XMA/XMA (tied to the serial number) for which it is purchased.	\$ 250,000.00	35%	\$ 162,500.00

3HE07595AA	7950 XRS QoS Right To Use License. A per C-XMA/XMA license. Allows the use of all queues and policers that are available and supported on a particular C-XMA/XMA, subject to any h/w limitations on the C-XMA/XMA and any s/w limitations. QoS RTU license is tied to the specific C-XMA/XMA (tied to the serial number) for which it is purchased.	\$ 375,000.00	35%	\$ 243,750.00
3HE07614AA	10Gb/s HD, environmentally hardened in IP65 rated, fan-less (-40°C to +65°C), with 5 GigE Ethernet ports (3 x SFP, 2 x RJ45). OS and other licenses sold separately.	\$ 10,500.00	35%	\$ 6,825.00
3HE07617AA	10Gb/s HD, environmentally hardened in IP65 rated, fan-less (-40°C to +65°C), with 5 GigE Ethernet ports (3 x SFP, 2 x RJ45) and integrated GPS receiver and PoE+ port. OS and other licenses sold separately.	\$ 14,500.00	35%	\$ 9,425.00
3HE07645AA	SROS VPLS Service Right To Use License. A per system license. Allows the use of up to 8,000 VPLS service instances in one system (any mix of VPLS types). Not controlled by this license: Number of SAPs, queues, policers, RTU for EVPN in VPLS instances.	\$ 75,000.00	35%	\$ 48,750.00
3HE07671AA	OSP cabinet -48VDC incoming power surge protector, din rail mount. Min order Qty of 25 required on all orders.	\$ 3,500.00	35%	\$ 2,275.00
3HE07672AA	Bracket to hold up to 16 Ethernet surge protectors with ground wire, used with ALP-7705/7210 5RU cabinet. Min order Qty of 25 required on all orders	\$ 1,080.00	35%	\$ 702.00
3HE07673AA	low profile 12 position Fiber splice tray and termination tray for ALP-7705/7210 5RU cabinet. Min order Qty of 10 required on all orders	\$ 3,060.00	35%	\$ 1,989.00
3HE07675AB	ALP-7705/7210 Cabinet battery Compartment to house batteries when the cabinet is fed with AC and the deployment requires battery hold up time. Min order Qty of 25 required on all orders	\$ 5,400.00	35%	\$ 3,510.00
3HE07676AA	battery cable kit to hook up batteries from the rectifier to the battery string. Min order Qty of 25 required on all orders	\$ 1,200.00	35%	\$ 780.00
3HE07677AB	ALP-7705/7210 cabinet pole mount kit required when mounting the cabinet to a pole. Min order Qty of 10 required on all orders	\$ 1,200.00	35%	\$ 780.00
3HE07678AA	ALP-7705/7210 5RU Cabinet concrete Pad mounting pour in place anchor plate. Used in conjunction with a concrete pad installations. Min order Qty of 25 required on all orders	\$ 9,700.00	35%	\$ 6,305.00
3HE07679AA	10-position DC distribution / GMT fuse panel.Used with DC input power. Min order Qty of 10 required on all orders	\$ 4,000.00	35%	\$ 2,600.00
3HE07757AA	ACC - 7x50 Power Terminal Cover (2 pack).Only used on the SR-12	\$ 150.00	35%	\$ 97.50
3HE07769AA	Kit contains brackets to wall mount or reverse rack mount a 7705 SAR-H.	\$ 450.00	35%	\$ 292.50
3HE07776AA	SROS Software license to enable use of IPsec Multi-Chassis Redundancy feature. This is a per system and per active ISA1 license. Multiple of these RTUs could be bought to match the total number of ISA1 that need IPsec Multi-Chassis Redundancy support.	\$ 5,000.00	35%	\$ 3,250.00
3HE07777AA	SROS Stateful Firewall License per 10Gbps. Per system and per active ISA license, or per network license.	\$ 50,000.00	35%	\$ 32,500.00
3HE07778AA	7750 SR P-GW/GGSN AA Stateful Firewall License for 10,000 active Bearers/PDP Contexts. Per Network license.	\$ 2,000.00	35%	\$ 1,300.00
3HE07800AA	Mounting bracket kit for individual SAR-W mounting to pole/wall. Hardware not included. This unit may not be required in all installation scenarios.	\$ 500.00	35%	\$ 325.00
3HE07801AA	Ergonomic handles compatible with the SAR-W/Wx. Handles are removable/reusable. There are two handles per kit.	\$ 175.00	35%	\$ 113.75
3HE07803AA	12m AC Power Cable for the SAR-W/Wx.	\$ 400.00	35%	\$ 260.00
3HE07804AA	Weather proof kit for termination of Ethernet copper cables on the SAR-W/Wx. Includes five (5) cable terminations per kit. Not suitable for fiber terminations.	\$ 350.00	35%	\$ 227.50
3HE07804BA	Weather proof flexible kit for termination of both Ethernet fiber/copper on the SAR-W/Wx. Includes five (5) cable terminations per kit.	\$ 700.00	35%	\$ 455.00
3HE07904AA	Accessory Kit - Dust Covers Qty 2 for CFP	\$ 300.00	35%	\$ 195.00
3HE07905AA	Accessory Kit - Dust Covers Qty 20 for SFP/SFP+	\$ 300.00	35%	\$ 195.00
3HE07906AA	Accessory Kit - Dust Covers Qty 10 for XFP/QSFP+	\$ 300.00	35%	\$ 195.00
3HE07907AA	Accessory Kit - Dust Covers Qty 10 for CXP	\$ 300.00	35%	\$ 195.00
3HE07928AA	1-port 40GBase SR4 QSFP+ Optics Module, 100m, MMF, MPO Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 3,000.00	35%	\$ 1,950.00
3HE07938AA	4-port OC3/STM1 or 1-port OC12/STM4 Card, with support for clear channel or channelization down to DS1/E1. In the OC3/STM1 mode, each port can be independently configured for the different services and access/network. In access mode, each port must be configured for TDM. In network mode, each port must be configured for MLPPP or POS. This card is supported in both -48 VDC & +24 VDC systems. SFPs sold separately.	\$ 29,000.00	35%	\$ 18,850.00
3HE07939AA	SAR-O outdoor system for passive optical CWDM OADM of 4 wavelengths (1471/1491/1511/1531 nm) with an expansion port (including 1310 nm passthrough) over a dual fiber cable	\$ 9,500.00	35%	\$ 6,175.00
3HE07942AA	Application resource card. Requires purchase of application-specific RTU - MDDB LICENSE - 3HE07354AF, .RTU - MDDB LICENSE (ADDITIONAL NODES) -3HE07354AH This card is supported in both -48 VDC and +24 VDC systems	\$ 4,000.00	35%	\$ 2,600.00
3HE07942BA	Conformal Coated Variant of Application resource card. Requires purchase of application-specific RTU - MDDB LICENSE - 3HE07354AF, .RTU - MDDB LICENSE (ADDITIONAL NODES) -3HE07354AH This card is supported in both -48 VDC and +24 VDC systems	\$ 6,000.00	35%	\$ 3,900.00
3HE07943AA	6 port ( 2 x 10G SFP+, 4 x 1G – SFP) Ethernet 10Gbps card. Optics ( SFP, SFP+ ) are sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 14,700.00	35%	\$ 9,555.00
3HE07943BA	Conformal Coated Variant of 6 port ( 2 x 10G SFP+, 4 x 1G – SFP) Ethernet 10Gbps card. Optics ( SFP, SFP+ ) are sold separately. This card is supported in both -48 VDC and +24 VDC systems.	\$ 16,000.00	35%	\$ 10,400.00
3HE07945AA	Kit contains bracket hardware for mounting the SAR-Hc to a panel from the rear of the chassis.	\$ 250.00	35%	\$ 162.50
3HE07945AB	Kit contains bracket hardware for mounting the SAR-Hc to a panel from the side of the chassis.	\$ 250.00	35%	\$ 162.50
3HE07954AA	SAR-8/18 card supporting an integrated GNSS receiver which can provide a PRC-traceable frequency, PRTC-traceable time of day clock and geographic location. It can be used in conjunction with integrated IEEE1588v2 for GM capabilities.-48/+24 VDC.	\$ 6,000.00	35%	\$ 3,900.00
3HE07955AA	SAR-H GPS Receiver Module plus Integrated and Distributed 1588v2 GrandMasters	\$ 5,000.00	35%	\$ 3,250.00
3HE07957AA	SAR-Wx Pole/Wall Mounting Bracket	\$ 750.00	35%	\$ 487.50
3HE07958AA	SAR-Wx Strand Mounting Bracket	\$ 450.00	35%	\$ 292.50
3HE07959AA	SAR-Wx GPS Antenna Mounting	\$ 500.00	35%	\$ 325.00
3HE07960AA	SAR-Wx 0.35m GPS Cable	\$ 250.00	35%	\$ 162.50
3HE07961AA	1.0/2.3 DIN right-angle plug at SAR-H/8/18, 7/16 DIN straight plug towards antenna	\$ 250.00	35%	\$ 162.50
3HE07962AA	1.0/2.3 DIN right-angle plug at SAR-H/8/18, N-type straight plug towards antenna	\$ 250.00	35%	\$ 162.50
3HE07979AA	7950 XRS-20 XCM Impedance Panel Multi Pack Qty 5. Must be installed in each and every empty XCM slot.	\$ 9,000.00	35%	\$ 5,850.00
3HE08116AB	SYS - 7210 SAS-T 12F 10T 4XFP system includes; 2 GB CPU memory (1) Fan Tray, (10) 10/100/1000 TX + Accepts(12) 100/1000 SFP + (4) XFP(s). Does not include 7210 SAS Operating Software or usage licenses.	\$ 6,225.00	35%	\$ 4,046.25
3HE08117AB	SYS - 7210 SAS-T 12F 10T 4XFP Extended Temperature Range system includes; 2 GB CPU memory (1) Fan Tray, (10) 10/100/1000 TX + Accepts(12) 100/1000 SFP + (4) XFP(s). Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,075.00	35%	\$ 5,248.75
3HE08151AA	CHAS - 7210 SAS-R6 CHASSIS SPARE	\$ 5,000.00	35%	\$ 3,250.00
3HE08152AA	FAN - 7210 SAS-R6 Fan Tray	\$ 750.00	35%	\$ 487.50
3HE08153AA	PEM - 7210 SAS-R6 -48V	\$ 675.00	35%	\$ 438.75
3HE08154AB	SF/CPM - 7210 SAS-R6	\$ 9,375.00	35%	\$ 6,093.75
3HE08159AA	ACC - 7210 SAS-R IMM Impedance Panel	\$ 90.00	35%	\$ 58.50
3HE08166AA	ACC - 7210 SAS-R6 SF/CPM Impedance Panel	\$ 120.00	35%	\$ 78.00
3HE08167AA	ACC - 7210 SAS-R6 PEM Impedance Panel	\$ 90.00	35%	\$ 58.50
3HE08168AA	ACC - 7210 SAS-R6 Air Filter 5 pack	\$ 1,500.00	35%	\$ 975.00



3HE08174AA	7x50 10-port 10GE SFP+ + 20-ports GE SFP MultiCore CPU IMM. Provides 10 physical 10GE SFP+ port + 20 physical GE SFP ports. Full Service Routing Functionality, Full Queuing, hierarchical policing, IPv4/IPv6 routing services. Available upgrades/licenses: VPRN	\$ 500,000.00	35%	\$ 325,000.00
3HE08174BA	7x50 10-port 10GE SFP+ + 20-ports GE SFP MultiCore CPU IMM. Provides 10 physical 10GE SFP+ port + 20 physical GE SFP ports. Includes "Layer-3 basic Queuing" IMM Software License/functionality for full IPv4/IPv6 routing services. Limited to 8 ingress and 8 egress queues per port. Does not include Hierarchical Policers. Available upgrades/licenses: VPRN, upgrade to L3HQ	\$ 325,000.00	35%	\$ 211,250.00
3HE08174CA	7x50 10-port 10GE SFP+ + 20-ports GE SFP MultiCore CPU IMM. Provides 10 physical 10GE SFP+ port + 20 physical GE SFP ports. Includes "Layer-2 High Queuing" IMM Software License/functionality for full ESS functionality which includes the use of full queuing and policing with layer-2 services. Excludes use of multicast routing protocol or services, IPv6 routing services, VPRN services (including IPv4 and IPv6 VPNs), network interfaces when installed in a chassis running the above mentioned restricted services. Available upgrades/licenses: upgrade to L3HQ	\$ 400,000.00	35%	\$ 260,000.00
3HE08216AA	C-XMA Right To Use License Upgrade from LSR to IPCore for 6-port 40G C-XMA. RTU license is tied to the specific C-XMA (tied to the serial number) for which it is purchased.	\$ 300,000.00	35%	\$ 195,000.00
3HE08217AA	1-port 100GBaseLR4 Low Power 10km CFP2 Optics Module, 10km, LC Connector, RoHS 6/6 compliant	\$ 60,000.00	35%	\$ 39,000.00
3HE08228AA	SROS IBN Res 10K Subs - Right to Use (RTU) required for Application Assurance IBN rules for in-browser notification (IBN) for wifi DSM subscribers. One (1) of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per network license.	\$ 10,000.00	35%	\$ 6,500.00
3HE08279AA	OSP cabinet AC incoming power surge protector. Min order Qty of 10 required on all orders	\$ 1,500.00	35%	\$ 975.00
3HE08279BA	OSP cabinet 24VDC incoming power surge protector, din rail mount. Min order Qty of 25 required on all orders.	\$ 3,250.00	35%	\$ 2,112.50
3HE08280AB	-48VDC OSP cabinet, with Heat Exchanger thermal system, for use with the 7210 SAS and 7705 SAR routers. AC compatible with AC to DC rectifier option. Min order Qty of 25 required on all orders	\$ 17,500.00	35%	\$ 11,375.00
3HE08281AA	Nuage Virtualized Services Directory (VSD) - Virtual Appliance Edition - Annual RTU License for a single (non-redundant) VSD instance Nuage VSD runs as a virtual machine (VM) on a server. Includes Software Release Subscription (SRS)	\$ 17,995.00	35%	\$ 11,696.75
3HE08283AA	Nuage Virtualized Services Controller (VSC) - Virtual Appliance Edition - Annual RTU License for a 1+1 redundant VSC instance Nuage VSC runs as a virtual machine (VM) on a dedicated server. Includes Software Release Subscription (SRS)	\$ 7,995.00	35%	\$ 5,196.75
3HE08284AA	Nuage VMware vSphere integration - RTU License per vCenter. License to use Nuage VSP with VMware vSphere. One integration license required per vCenter Instance. Nuage VMware vSphere Integration Provides: • VRS integration for activation of ESXi VMs into Nuage Networks • VRS integration as an Agent on each ESXi Hypervisor (vSphere Solution) • Deployment Toolbox for easy provisioning and deployment of each VRS Agent • User Plugin on vCenter Client in order to ease the provisioning of the Nuage parameter on the Nuage VMs	\$ 5,995.00	35%	\$ 3,896.75
3HE08287DA	Nuage Virtualized Services Directory (VSD) Standalone - Virtual Appliance Edition - License for a single (non-redundant) VSD instance Nuage VSD runs as a virtual machine (VM) on a server.	\$ 44,995.00	35%	\$ 29,246.75
3HE08289DA	Nuage Virtualized Services Controller (VSC) - Virtual Appliance Edition - Includes RTU License for a 1+1 redundant VSC instance Nuage VSC runs as a VM within a dedicated server.	\$ 19,995.00	35%	\$ 12,996.75
3HE08312AA	1-port 100GBase SR10 100 meter CFP2 Optics Module, MultiMode, MPO Connector, RoHS 6/6 compliant, 0/70C, Non-DDM Compliant	\$ 35,000.00	35%	\$ 22,750.00
3HE08313AA	2-ports 1000BASE-BX10-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 10km, TX:1310 nm, RX: 1490 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, -40/85C	\$ 2,700.00	35%	\$ 1,755.00
3HE08313BA	2-ports 1000BASE-BX10-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 10km, TX: 1490 nm, RX: 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, -40/85C	\$ 2,700.00	35%	\$ 1,755.00
3HE08314AA	2-ports 1000BASE-BX40-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, TX:1310 nm, RX: 1490 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, -40/85C	\$ 4,500.00	35%	\$ 2,925.00
3HE08314BA	2-ports 1000BASE-BX40-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, Single Mode Fiber (SMF), 40km, TX: 1490 nm, RX: 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, -40/85C	\$ 4,500.00	35%	\$ 2,925.00
3HE08362AF	SYS - 7210 SAS-T 12F 10T 4XFP DC system includes; 2 GB CPU memory (1) 3HE08116AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE06336AB PS - 7210 SAS-T/Mxp ETR +24V (200W) DC Does not include 7210 SAS Operating Software or usage licenses.	\$ 7,050.00	35%	\$ 4,582.50
3HE08362AG	SYS - 7210 SAS-T 12F 10T 4XFP AC system includes; 2 GB CPU memory, (1) 3HE08116AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE04414AB PS-7210 SAS Mxp/T AC PS (NON-ETR) 200 Watt Does not include 7210 SAS Operating Software or usage licenses.	\$ 6,475.00	35%	\$ 4,208.75
3HE08362AH	SYS - 7210 SAS-T 12F 10T 4XFP DC system includes; 2 GB CPU memory (1) 3HE08116AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE04415AB PS-7210 SAS Mxp/T DC -48V PS (NON-ETR) 200W Does not include 7210 SAS Operating Software or usage licenses.	\$ 6,750.00	35%	\$ 4,387.50
3HE08363AD	SYS - 7210 SAS-T 12F 10T 4XFP AC Extended Temperature Range system includes; 2 GB CPU memory (1) 3HE08117AB SYS -7210 SAS-T 12F 10T 4XFP ETR (1) 3HE05580AB 7210 SAS (200W) AC ETR Power supply Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,600.00	35%	\$ 5,590.00

3HE08363AE	SYS - 7210 SAS-T 12F 10T 4XFP Extended Temperature Range DC system includes; 2 GB CPU memory (1) 3HE08117AB SYS -7210 SAS-T 12F 10T 4XFP ETR (1) 3HE05581AB 7210 SAS -48V (200W) DC ETR Power supply Does not include 7210 SAS Operating Software or usage licenses..	\$ 8,700.00	35%	\$ 5,655.00
3HE08363AF	SYS - 7210 SAS-T 12F 10T 4XFP Extended Temperature Range DC system includes; 2 GB CPU memory (1) 3HE08117AB SYS -7210 SAS-T 12F 10T 4XFP ETR (1) 3HE06336AB PS - 7210 SAS-T/Mxp ETR +24V (200W) DC Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,875.00	35%	\$ 5,768.75
3HE08364AG	SYS - 7210 SAS-T 12F 10T 4XFP AC system includes; 2 GB CPU memory (1) 3HE08116AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE04414AB PS-7210 SAS Mxp/T AC PS (NON-ETR) 200 Watt (1) 3HE00271AA CBL - AC PWR CBL 110V USA Does not include 7210 SAS Operating Software or usage licenses.	\$ 6,740.00	35%	\$ 4,381.00
3HE08364AH	SYS - 7210 SAS-T 12F 10T 4XFP AC system includes; 2 GB CPU memory (1) 3HE08116AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE04414AB PS-7210 SAS Mxp/T AC PS (NON-ETR) 200 Watt (1) 3HE00271AD CBL - AC PWR CBL 110V UK Does not include 7210 SAS Operating Software or usage licenses.	\$ 6,740.00	35%	\$ 4,381.00
3HE08364AJ	SYS - 7210 SAS-T 12F 10T 4XFP AC system includes; 2 GB CPU memory (1) 3HE08116AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE04414AB PS-7210 SAS Mxp/T AC PS (NON-ETR) 200 Watt (1) 3HE00271AC CBL - AC PWR CBL 110V EUR Does not include 7210 SAS Operating Software or usage licenses.	\$ 6,740.00	35%	\$ 4,381.00
3HE08365AD	SYS - 7210 SAS-T 12F 10T 4XFP AC Extended Temperature Range system includes; 2 GB CPU memory (1) 3HE08117AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE05580AB 7210 SAS (200W) AC ETR Power supply (1) 3HE00271AA CBL - AC PWR CBL 110V USA Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,700.00	35%	\$ 5,655.00
3HE08365AE	SYS - 7210 SAS-T 12F 10T 4XFP AC Extended Temperature Range system includes; 2 GB CPU memory (1) 3HE08117AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE05580AB 7210 SAS (200W) AC ETR Power supply (1) 3HE00271AD CBL - AC PWR CBL 110V UK Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,720.00	35%	\$ 5,668.00
3HE08365AF	SYS - 7210 SAS-T 12F 10T 4XFP AC Extended Temperature Range system includes; 2 GB CPU memory (1) 3HE08117AB SYS - 7210 SAS-T 12F 10T 4XFP (1) 3HE05580AB 7210 SAS (200W) AC ETR Power supply (1) 3HE00271AC CBL - AC PWR CBL 110V EUR Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,720.00	35%	\$ 5,668.00
3HE08421AA	Spare - 7750 SR SFM5-12e	\$ 110,000.00	35%	\$ 71,500.00
3HE08422AA	7750 SR12e - Mini-SFM5-12e - SFM functionality	\$ 85,000.00	35%	\$ 55,250.00
3HE08423AA	Spare - 7750 SR CPM5	\$ 60,000.00	35%	\$ 39,000.00
3HE08428AA	Spare - 7750 SR SFM5-12	\$ 55,000.00	35%	\$ 35,750.00
3HE08429AA	Spare - 7750 SR SFM5-7	\$ 35,000.00	35%	\$ 22,750.00
3HE08430AA	Spare - SFM - 7450 ESS SFM5-12	\$ 55,000.00	35%	\$ 35,750.00
3HE08431AA	Spare - SFM - 7450 ESS SFM5-7	\$ 35,000.00	35%	\$ 22,750.00
3HE08432AA	Spare - CPM - 7450 ESS CPM5	\$ 60,000.00	35%	\$ 39,000.00
3HE08505AA	7950 XRS-20 Switch Fabric Module-B Stand Alone (SFM-X20S-B) - (Spare)	\$ 65,000.00	35%	\$ 42,250.00
3HE08534AA	7705 SAR-X with 2x10GE SFP+, 12x1GE (4xCombo SFP/RJ45 + 8x1G SFP) & 8 T1/E1. Accepts Redundant DC Power Input (+24V/-48V).	\$ 24,550.00	35%	\$ 15,957.50
3HE08534BA	7705 SAR-X (Conformal Coated Variant) with 2x10GE SFP+, 12x1GE(4xCombo SFP/RJ45 + 8x1G SFP) & 8 T1/E1. Accepts Redundant DC Power Input (+24V/-48V).	\$ 25,700.00	35%	\$ 16,705.00
3HE08590AA	Cable ASSM, QSFP+ to QSFP+ Passive Direct Attach Cable (DAC), 1 meter length - package of 4	\$ 1,800.00	35%	\$ 1,170.00
3HE08591AA	Cable ASSM, QSFP+ to QSFP+ Passive Direct Attach Cable (DAC), 3 meter length - package of 4	\$ 2,200.00	35%	\$ 1,430.00
3HE08592AA	Cable ASSM, QSFP+ to QSFP+ Passive Direct Attach Cable (DAC), 7 meter length - package of 4	\$ 2,600.00	35%	\$ 1,690.00
3HE08605AA	ACC - 7210 SAS E/M/T/Mxp DC-Power input connector 10 Pack	\$ 120.00	35%	\$ 78.00
3HE08607AA	RTU - SAR-H Basic IPsec license. Including Encryption Throughput of 150 Mbps and Maximum of 25 IPsec Tunnels. One (1) OS License is required for each SAR-H in the network.	\$ 1,500.00	35%	\$ 975.00
3HE08607AB	RTU - SAR-H Upgrade IPsec license. Upgrade Basic IPsec license to Full IPsec license. One (1) OS License is required for each SAR-H in the network.	\$ 2,250.00	35%	\$ 1,462.50
3HE08607AC	RTU - SAR-H Full IPsec license. Including Maximum supported Encryption Throughput and Maximum supported IPsec Tunnels. One (1) OS License is required for each SAR-H in the network.	\$ 3,000.00	35%	\$ 1,950.00
3HE08607BA	RTU - SAR-Hc Basic IPsec license. Including Encryption Throughput of 150 Mbps and Maximum of 25 IPsec Tunnels. One (1) OS License is required for each SAR-Hc in the network.	\$ 1,500.00	35%	\$ 975.00
3HE08607BB	RTU - SAR-Hc Upgrade IPsec license. Upgrade Basic IPsec license to Full IPsec license. One (1) OS License is required for each SAR-Hc in the network.	\$ 2,250.00	35%	\$ 1,462.50
3HE08607BC	RTU - SAR-Hc Full IPsec license. Including Maximum supported Encryption Throughput and Maximum supported IPsec Tunnels. One (1) OS License is required for each SAR-Hc in the network.	\$ 3,000.00	35%	\$ 1,950.00
3HE08607CA	RTU - SAR-W Basic IPsec license. Including Encryption Throughput of 150 Mbps and Maximum of 10 IPsec Tunnels. One (1) OS License is required for each SAR-W in the network.	\$ 1,500.00	35%	\$ 975.00
3HE08607CB	RTU - SAR-W Upgrade IPsec license. Upgrade Basic IPsec license to Full IPsec license. One (1) OS License is required for each SAR-W in the network.	\$ 2,250.00	35%	\$ 1,462.50
3HE08607CC	RTU - SAR-W Full IPsec license. Including Maximum supported Encryption Throughput and Maximum supported IPsec Tunnels. One (1) OS License is required for each SAR-W in the network.	\$ 3,000.00	35%	\$ 1,950.00
3HE08607DA	RTU - SAR-Wx Basic IPsec license. Including Encryption Throughput of 150 Mbps and Maximum of 25 IPsec Tunnels. One (1) OS License is required for each SAR-Wx in the network.	\$ 1,500.00	35%	\$ 975.00
3HE08607DB	RTU - SAR-Wx Upgrade IPsec license. Upgrade Basic IPsec license to Full IPsec license. One (1) OS License is required for each SAR-Wx in the network.	\$ 2,250.00	35%	\$ 1,462.50
3HE08607DC	RTU - SAR-Wx Full IPsec license. Including Maximum supported Encryption Throughput and Maximum supported IPsec Tunnels. One (1) OS License is required for each SAR-Wx in the network.	\$ 3,000.00	35%	\$ 1,950.00
3HE08607EA	RTU - SAR-8 Basic IPsec license. Including Encryption Throughput of 250 Mbps and Maximum of 50 IPsec Tunnels. One (1) OS License is required for each SAR-8 in the network. Note: Additional licenses (3HE09302AA, 3HE09302BA, 3HE09302CA ) required to enable hardware encryption	\$ 2,300.00	35%	\$ 1,495.00
3HE08607EB	RTU - SAR-8 Upgrade IPsec license. Upgrade Basic IPsec license to Full IPsec license. One (1) OS License is required for each SAR-8 in the network. Note: Additional licenses (3HE09302AA, 3HE09302BA, 3HE09302CA ) required to enable hardware encryption	\$ 3,430.00	35%	\$ 2,229.50

3HE08607EC	RTU - SAR-8 Full IPsec license. Including Maximum supported Encryption Throughput and Maximum supported IPsec Tunnels. One (1) OS License is required for each SAR-8 in the network. Note: Additional licenses (3HE09302AA, 3HE09302BA,3HE09302CA ) required to enable hardware encryption	\$ 4,500.00	35%	\$ 2,925.00
3HE08607FA	RTU - SAR-18 Basic IPsec license. Including Encryption Throughput of 500 Mbps and Maximum of 50 IPsec Tunnels. One (1) OS License is required for each SAR-18 in the network. Note: Additional licenses (3HE09302AA, 3HE09302BA,3HE09302CA ) required to enable hardware encryption	\$ 3,000.00	35%	\$ 1,950.00
3HE08607FB	RTU - SAR-18 Upgrade IPsec license. Upgrade Basic IPsec license to Full IPsec license. One (1) OS License is required for each SAR-18 in the network. Note: Additional licenses (3HE09302AA, 3HE09302BA,3HE09302CA ) required to enable hardware encryption	\$ 4,500.00	35%	\$ 2,925.00
3HE08607FC	RTU - SAR-18 Full IPsec license. Including Maximum supported Encryption Throughput and Maximum supported IPsec Tunnels. One (1) OS License is required for each SAR-18 in the network. Note: Additional licenses (3HE09302AA, 3HE09302BA,3HE09302CA ) required to enable hardware encryption	\$ 6,000.00	35%	\$ 3,900.00
3HE08607GA	RTU - SAR-X Basic IPsec license. Including Encryption Throughput of 150 Mbps and Maximum of 25 IPsec Tunnels. One (1) OS License is required for each SAR-X in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 2,300.00	35%	\$ 1,495.00
3HE08607GB	RTU - SAR-X Upgrade IPsec license. Upgrade Basic IPsec license to Full IPsec license. One (1) OS License is required for each SAR-X in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 3,430.00	35%	\$ 2,229.50
3HE08607GC	RTU - SAR-X Full IPsec license. Including Maximum supported Encryption Throughput and Maximum supported IPsec Tunnels. One (1) OS License is required for each SAR-X in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 4,500.00	35%	\$ 2,925.00
3HE08607HA	RTU - SAR-Ax Basic IPsec license. Including Encryption Throughput of 150 Mbps and Maximum of 25 IPsec Tunnels. One (1) OS License is required for each SAR-Ax. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 1,500.00	35%	\$ 975.00
3HE08607HB	RTU - SAR-Ax Upgrade IPsec license. Upgrade Basic IPsec license to Full IPsec license. One (1) OS License is required for each SAR-Ax. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 2,250.00	35%	\$ 1,462.50
3HE08607HC	RTU - SAR-Ax Full IPsec license. Including Maximum supported Encryption Throughput and Maximum supported IPsec Tunnels. One (1) OS License is required for each SAR-Ax. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 3,000.00	35%	\$ 1,950.00
3HE08607JA	RTU - SAR-Hm/Hmc IPsec license. Including maximum supported encryption throughput available on one SAR-Hm/Hmc. One (1) OS License is required for each SAR-Hm/Hmc in the network.	\$ 400.00	35%	\$ 260.00
3HE08632AA	7950 XRS 4-port 100GE CFP2 XMA. Includes License for IPCore Feature set. Provides support for a total IP FIB size of up to 1M entries (IPv4+IPv6; actual maximum number of entries achievable depends on route distribution), a MAC FIB size of 128k entries, and 8 ingress + 8 egress user defined queues per physical port.	\$ 890,000.00	35%	\$ 578,500.00
3HE08632BA	7950 XRS 4-port 100GE CFP2 XMA. Includes License for LSR Feature set. Provides support for a total IP FIB size of 64k (IPv4+IPv6), and 8 ingress + 8 egress user defined queues per physical port.	\$ 400,000.00	35%	\$ 260,000.00
3HE08703AA	SAR-Wx/W, 7450 ESS/7750 SR CPM5, XRS-16c/20/40 - CONSOLE CBL, 5 FT w RJ45 to DB9 adapter.	\$ 100.00	35%	\$ 65.00
3HE08898AA	BNDL - 7210 SAS-R6 (1) 3HE08151AA CHAS - 7210 SAS-R6 CHASSIS SPARE (1) 3HE08154AB SF/CPM - 7210 SAS-R6 (1) 3HE08166AA ACC - 7210 SAS-R6 SF/CPM Impedance Panel (1) 3HE08152AA FAN - 7210 SAS-R6 Fan Tray (2) 3HE08153AA PEM - 7210 SAS-R6 -48V (5) 3HE08159AA ACC - 7210 SAS-R IMM Impedance Panel	\$ 16,500.00	35%	\$ 10,725.00
3HE08961AA	7950 XRS-20 FRONT PROTECTION PANEL	\$ 11,500.00	35%	\$ 7,475.00
3HE08996GA	OS - 7210 SAS-R Base OS License Release 20.X Base OS license.  This is a per chassis license, valid for release 20.X. It provides the base OS and includes support for native and MPLS-based Ethernet services (e.g. VPLS and Epipe services) to operate 7210 SAS-R6 and 7210 SAS-R12 chassis..  It excludes the use of MPLS-TP and IP services (e.g. VPRNs and IES services).  It must be also purchased for upgrade to release 20.X.  One (1) Operating Software License is required for each 7210 SAS-R6 or 7210 SAS-R12 in the network. Includes two (2) 2GB Compact Flashes with the Operating Software.	\$ 3,500.00	35%	\$ 2,275.00
3HE08997AA	RTU - 7210 SAS-R IP Services License.  This is a per chassis license and is required for each 7210 SAS-R6 and 7210 SAS-R12 chassis. It enables support of IP services (e.g. VPRN, IES and L3 VPNs using BGP 3107).	\$ 2,000.00	35%	\$ 1,300.00
3HE08998AA	RTU - 7210 SAS-R MPLS-TP Services License.  This is a per chassis license and is required for each 7210 SAS-R6 and 7210 SAS-R12 chassis. It enables MPLS-TP based Ethernet services (i.e. Epipe services).	\$ 1,500.00	35%	\$ 975.00
3HE08999AA	RTU - 7210 SAS-R PTP/1588 & Timing Interfaces License.  This is a per chassis license and is required for each 7210 SAS-R6 and 7210 SAS-R12 chassis. It enables the following Timing interfaces and software - BITS, 1pps, 10MHz, ToD and PTP/1588.  NOTE: SyncE is available with the base OS software license and does not require a separate license.	\$ 1,500.00	35%	\$ 975.00
3HE09001AA	SFM - 7750 SR SFM5-12e + CPM5 Bundle includes: (1) 3HE08421AA - SFM - 7750 SR SFM5-12e (1) 3HE08423AA - CPM - 7750 SR CPM5	\$ 160,000.00	35%	\$ 104,000.00
3HE09017AA	SR0S Software license to enable 1K IPsec IKEv2 Remote-Access Tunnels. Per network license.	\$ 1,500.00	35%	\$ 975.00
3HE09018AA	SR0S Software license to enable 10K IPsec IKEv2 Remote-Access Tunnels. Per network license.	\$ 12,000.00	35%	\$ 7,800.00

3HE09022AA	SROS VPLS Service Right To Use License. A per system license. Allows the use of up to 40,000 VPLS service instances in one system (any mix of VPLS types). Not controlled by this license: Number of SAPs, queues, policers	\$ 100,000.00	35%	\$ 65,000.00
3HE09023AA	SROS VLL Service Right To Use License. A per system license. Allows the use of up to 192,000 terminating VLL service instances in one system. This license also adds the RTU for support of full scale dynamic multi-segment pseudowire routing (stitching). The RTU for statically configured pseudowire switching is also included, and each static switched VLL counts towards the 196607 VLL limit. Not controlled by this license: Number of SAPs, queues or policers, RTU for EVPN in VLL instances.	\$ 100,000.00	35%	\$ 65,000.00
3HE09024AA	SROS 256K SAP Right To Use License. A per system license. Allows the use of up to 262143 SAPs across all services. Not controlled by this license: RTU for VLL,VPLS or VPRN service instances.	\$ 70,000.00	35%	\$ 45,500.00
3HE09025AA	RTU - 7950 XRS Performance cFlowd license. A per system license. Allows the use of all cFlowd functionality with up to 1,500,000 cached flows and up to 2,500,000 pps total sampling performance. The maximum pps sampling performance and flow cache capacity can only be achieved when sampling is being performed on a variety of interfaces.	\$ 40,000.00	35%	\$ 26,000.00
3HE09026AA	RTU - 7950 XRS IP FIB Scaling license. A per system license. Allows the use of all IPv4 and IPv6 FIB entries that are achievable on the system subject to limitations imposed by the particular SR OS release deployed and the capabilities of the deployed hardware in the system. Prerequisites: No LSR Level C-XMAs or XMAs can be present in the system unless they have the associated "LIC UP - LSR to IPCore" license.	\$ 30,000.00	35%	\$ 19,500.00
3HE09027AA	RTU - 7950 XRS MAC FIB Scaling license. A per system license. Allows the use of all MAC FIB entries that are achievable on the system subject to limitations imposed by the particular SR OS release deployed and the capabilities of the deployed hardware in the system. Not controlled by this license: Number of VPLS service instances, number of SAPs. Prerequisites: No LSR Level C-XMAs or XMAs can be present in the system unless they have the associated "LIC UP - LSR to IPCore" license	\$ 30,000.00	35%	\$ 19,500.00
3HE09028AA	SROS Hybrid OpenFlow Switch license. A per system license. Allows configuration of Hybrid OpenFlow switch functionality for traffic steering subject to limitations imposed by the particular SROS release deployed and the capabilities of the deployed hardware in the system	\$ 40,000.00	35%	\$ 26,000.00
3HE09043AA	Nuage Professional Services, Covers all Professional Services for Nuage products (Nuage VCS, Nuage VNS, Nuage White Label, Nuage VSS). Includes Design, Integration, Audit & Migration services, Solutions Architecture, NMS/OSS Integration, Upgrade & Operational Consultation services, as well as onboarding to the Nuage VNS White label Service	See Comment field	35%	#VALUE!
3HE09095AA	Rear attachable tray for SAR-A/SAR-Ax (3HE06797AA, 3HE06796AA, 3HE10329AA) designed to hold two 100W Power Supplies (3HE06972AB).	\$ 750.00	35%	\$ 487.50
3HE09116AA	ACC - 7210 R6 ETSI Cabinet & Cable Management bracket (This includes sufficient brackets to mount 1 Chassis)	\$ 360.00	35%	\$ 234.00
3HE09117AA	Multi-Service Integrated Services Module which could be used for AA, LNS, NAT, and Tunnel/IPsec applications	\$ 160,000.00	35%	\$ 104,000.00
3HE09118AA	Multi-Service Integrated Services Module which could be used for AA, BB (LNS, NAT), and Tunnel/IPsec applications (no Encryption)	\$ 160,000.00	35%	\$ 104,000.00
3HE09119AA	SROS Software license to enable use of IP Tunneling Applications (GRE, IP in IP) per 10Gbps capacity. Per network or per system and active ISA license.	\$ 20,000.00	35%	\$ 13,000.00
3HE09120AA	SROS NAT license for 12 Million bi-directional flows. This is a per system license.	\$ 55,000.00	35%	\$ 35,750.00
3HE09121AA	SROS NAT license for 24 Million bi-directional flows. This is a per system license.	\$ 100,000.00	35%	\$ 65,000.00
3HE09152AA	IMM - 7210 SAS-R-b 10SFP - 1SFP+	\$ 4,750.00	35%	\$ 3,087.50
3HE09153AA	IMM - 7210 SAS-R-b 2SFP+	\$ 4,250.00	35%	\$ 2,762.50
3HE09154AA	IMM - 7210 SAS-R-b 4SFP+	\$ 4,950.00	35%	\$ 3,217.50
3HE09155AA	IMM - 7210 SAS-R-b 11SFP/22cSFP	\$ 4,250.00	35%	\$ 2,762.50
3HE09156AA	IMM - 7210 SAS-R-b 16TX	\$ 4,150.00	35%	\$ 2,697.50
3HE09157AA	ACC - 7210 SAS-R6 DC-Power input connector 10 Pack	\$ 250.00	35%	\$ 162.50
3HE09170AA	6 port Ethernet Module ( 2xFE SFP ports, 4xGE (2xRJ.5, 2xCombo(SFP, RJ.5 ) for SAR-M with Poe/PoE+ capability. PoE RTU sold separately	\$ 3,300.00	35%	\$ 2,145.00
3HE09171AA	C-XMA Right To Use License Upgrade from LSR to IPCore for 72-port 1GE C-XMA. RTU license is tied to the specific C-XMA (tied to the serial number) for which it is purchased.	\$ 250,000.00	35%	\$ 162,500.00
3HE09180AA	SSF VSR-RR Route Reflector – Level 1 - Software Subscription Fee (SSF) that allows for the upgrade of the VSR-RR software to any currently available software releases, including new major releases, as long as the annual support contract is in effect. One (1) Level 1 SSF is required for each instance of the level 1 VSR-RR purchased. The SSF must be purchased at the time the VSR-RR license is purchased and must be renewed annually to retain access to new versions of the VSR-RR software. VSR-RR license is sold for the specified SROS release. Licenses for different releases must be purchased separately, unless covered by an SSF for VSR-RR	\$ 18,000.00	35%	\$ 11,700.00
3HE09181AA	SSF VSR-RR Route Reflector – Level 2 - Software Subscription Fee (SSF) that allows for the upgrade of the VSR-RR software to any currently available software releases, including new major releases, as long as the annual support contract is in effect. One (1) Level 2 SSF is required for each instance of the level 2 VSR-RR purchased. The SSF must be purchased at the time the VSR-RR license is purchased and must be renewed annually to retain access to new versions of the VSR-RR software. VSR-RR license is sold for the specified SROS release and is not covered by any other Nokia software support contract. Licenses for different releases must be purchased separately	\$ 30,000.00	35%	\$ 19,500.00
3HE09195AA	7750 SR-a4 4-slot Chassis Spare (Includes Air Filter)	\$ 16,000.00	35%	\$ 10,400.00
3HE09196AA	7750 SR-a8 8-slot Chassis Spare (Includes Air Filter)	\$ 19,000.00	35%	\$ 12,350.00
3HE09197AA	7750 SR-a4 fan Tray Module Spare	\$ 1,700.00	35%	\$ 1,105.00
3HE09198AA	7750 SR-a8 fan Tray Module Spare	\$ 2,300.00	35%	\$ 1,495.00
3HE09199AA	7750 SR-a Family -48v DC Power Supply Unit.	\$ 2,700.00	35%	\$ 1,755.00
3HE09200AA	7750 SR-a Family AC Power Supply Unit. Cables Purchased Separately.	\$ 3,200.00	35%	\$ 2,080.00
3HE09201AA	7750 SR-a Control & Processor Module (CPM) with 6-core 800Mhz CPU and 4GB DRAM.	\$ 9,300.00	35%	\$ 6,045.00
3HE09201AB	7750 SR-a Control & Processor Module (CPM) with 6-core 800Mhz CPU and 8GB DRAM.	\$ 9,750.00	35%	\$ 6,337.50
3HE09202AA	7750 SR-a 100Gbps Input Output Module (IOM-a). Includes License for Layer 3 with High Queuing (L3HQ) Features Set.	\$ 66,000.00	35%	\$ 42,900.00
3HE09202BA	7750 SR-a 100Gbps Input Output Module (IOM-a). Includes License for Layer 3 with Basic Queuing (L3BQ) Features Set.	\$ 39,000.00	35%	\$ 25,350.00
3HE09202CA	7750 SR-a 100Gbps Input Output Module (IOM-a). Includes License for Layer 2 with High Queuing (L2HQ) Features Set.	\$ 23,000.00	35%	\$ 14,950.00
3HE09204AA	10-port 10GE SFP+ MDA-a XP for the 7750 SR-a family. Optics Module must be purchased separately.	\$ 29,000.00	35%	\$ 18,850.00
3HE09205AA	2-port 10GE SFP+ and 12-port GE SFP Combo MDA-a for the 7750 SR-a family. Optics Module must be purchased separately.	\$ 17,200.00	35%	\$ 11,180.00
3HE09206AA	20-port 10/100/1000 TX RJ45 MDA-a for the 7750 SR-a family.	\$ 13,600.00	35%	\$ 8,840.00
3HE09207AA	22-port GE SFP/44-port GE cSFP MDA-a for the 7750 SR-a family. Optics Module must be purchased separately.	\$ 17,600.00	35%	\$ 11,440.00
3HE09240AA	4-port 10GE SFP+ MDA-a For The 7750 SR-a Family. Optics Module must be purchased separately.	\$ 16,000.00	35%	\$ 10,400.00
3HE09242AA	DC BNDL - 7750 SR-a4. Non-Redundant Bundle Includes: (1) 3HE09195AA - CHAS - 7750 SR-a4 CHASSIS (Including filter), (1) 3HE09197AA - FAN - 7750 SR-a4 Fan Tray, (1) 3HE09199AA - PSU - 7750 SR-a DC -48v, (1) 3HE09201AA - CPM - 7750 SR-a, (4) 3HE09417AA - ACC - 7750 SR-a CPM/MDA Impedance Panels, (3) 3HE09419AA - ACC - 7750 SR-a PSU Impedance Panels.	\$ 35,000.00	35%	\$ 22,750.00

3HE09242AB	DC BNDL - 7750 SR-a4. Non-Redundant Bundle Includes: (1) 3HE09195AA CHAS - 7750 SR-a4 CHASSIS (Including filter), (1) 3HE09197AA FAN - 7750 SRa4 Fan Tray, (1) 3HE09199AA PSU - 7750 SR-a DC -48v, (1) 3HE09201AB CPM - 7750 SR-a CPM 8GB, (4) 3HE09417AA ACC - 7750 SR-a CPM/MDA Impedance Panels, (3) 3HE09419AA ACC - 7750 SR-a PSU Impedance Panels.	\$ 35,500.00	35%	\$ 23,075.00
3HE09243AA	AC BNDL - 7750 SR-a4. Non-Redundant Bundle Includes: (1) 3HE09195AA - CHAS - 7750 SR-a4 CHASSIS (Including filter), (1) 3HE09197AA - FAN - 7750 SR-a4 Fan Tray, (1) 3HE09200AA - PSU - 7750 SR-a AC, (1) 3HE09201AA - CPM - 7750 SR-a, (4) 3HE09417AA - ACC - 7750 SR-a CPM/MDA Impedance Panels, (3) 3HE09419AA - ACC - 7750 SR-a PSU Impedance Panels.	\$ 35,500.00	35%	\$ 23,075.00
3HE09243AB	AC BNDL - 7750 SR-a4. Non-Redundant Bundle Includes: (1) 3HE09195AA CHAS - 7750 SR-a4 CHASSIS (Including filter), (1) 3HE09197AA FAN - 7750 SRa4 Fan Tray, (1) 3HE09200AA PSU - 7750 SR-a AC, (1) 3HE09201AB CPM - 7750 SR-a CPM 8GB, (4) 3HE09417AA ACC - 7750 SR-a CPM/MDA Impedance Panels, (3) 3HE09419AA ACC - 7750 SR-a PSU Impedance Panels	\$ 36,000.00	35%	\$ 23,400.00
3HE09244AA	DC BNDL - 7750 SR-a8 Non-Redundant Bundle Includes; (1) 3HE09196AA - CHAS - 7750 SR-a8 CHASSIS (includes filter), (1) 3HE09198AA - FAN - 7750 SRa8 Fan Tray, (2) 3HE09199AA - PSU - 7750 SR-a DC -48V, (1) 3HE09201AA - CPM - 7750 SR-a, (8) 3HE09417AA - ACC - 7750 SR-a CPM/MDA Impedance Panels, (2) 3HE09418AA - ACC - 7750 SR-a PSU Impedance Panels, (1) 3HE09419AA - ACC - 7750 SR-a IOM Impedance Panel	\$ 44,000.00	35%	\$ 28,600.00
3HE09244AB	DC BNDL - 7750 SR-a8 Non-Redundant Bundle Includes; (1) 3HE09196AA CHAS - 7750 SR-a8 CHASSIS (includes filter), (1) 3HE09198AA FAN - 7750 SRa8 Fan Tray, (2) 3HE09199AA PSU - 7750 SR-a DC -48V, (1) 3HE09201AB CPM - 7750 SR-a CPM 8GB, (8) 3HE09417AA ACC - 7750 SR-a CPM/MDA Impedance Panels, (2) 3HE09418AA ACC - 7750 SR-a PSU Impedance Panels, (1) 3HE09419AA ACC - 7750 SR-a IOM Impedance Panel	\$ 44,500.00	35%	\$ 28,925.00
3HE09245AA	AC BNDL - 7750 SR-a8 Non-Redundant Bundle Includes: (1) 3HE09196AA - CHAS - 7750 SR-a8 CHASSIS (includes filter), (1) 3HE09198AA - FAN - 7750 SRa8 Fan Tray, (2) 3HE09200AA - PSU - 7750 SR-a -AC, (1) 3HE09201AA - CPM - 7750 SR-a, (8) 3HE09417AA - ACC - 7750 SR-a CPM/MDA Impedance Panels, (2) 3HE09418AA - ACC - 7750 SR-a PSU Impedance Panels, (1) 3HE09419AA - ACC - 7750 SR-a IOM Impedance Panel	\$ 44,500.00	35%	\$ 28,925.00
3HE09245AB	AC BNDL - 7750 SR-a8 Non-Redundant Bundle Includes: (1) 3HE09196AA CHAS - 7750 SR-a8 CHASSIS (includes filter), (1) 3HE09198AA FAN - 7750 SRa8 Fan Tray, (2) 3HE09200AA PSU - 7750 SR-a -AC, (1) 3HE09201AB CPM - 7750 SR-a CPM 8GB, (8) 3HE09417AA ACC - 7750 SR-a CPM/MDA Impedance Panels, (2) 3HE09418AA ACC - 7750 SR-a PSU Impedance Panels, (1) 3HE09419AA ACC - 7750 SR-a IOM Impedance Panel	\$ 45,000.00	35%	\$ 29,250.00
3HE09255AA	1-port 100GBase-ER4 CP2 (Dual rate 100GE and OTU4) Optics Module, 40km, LC Connector, RoHS 6/6 compliant, 0/70C	\$ 140,000.00	35%	\$ 91,000.00
3HE09257AA	7705 SAR-X Air Filter Media replacement kit (10 pack)	\$ 400.00	35%	\$ 260.00
3HE09259AA	RTU - SAR-H Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-H node. One (1) OS License is required for each SAR-H in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 3,500.00	35%	\$ 2,275.00
3HE09259BA	RTU - SAR-Hc Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-Hc node. One (1) OS License is required for each SAR-Hc in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 3,500.00	35%	\$ 2,275.00
3HE09259CA	RTU - SAR-W Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-W node. One (1) OS License is required for each SAR-W in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 3,500.00	35%	\$ 2,275.00
3HE09259DA	RTU - SAR-Wx Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-Wx node. One (1) OS License is required for each SAR-Wx in the network.	\$ 3,500.00	35%	\$ 2,275.00
3HE09259EA	RTU - SAR-8 Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-8 node. One (1) OS License is required for each SAR-8 in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> . Note: Additional licenses (3HE09302AA, 3HE09302BA, 3HE09302CA) are required to enable hardware encryption on the SAR-8.	\$ 6,000.00	35%	\$ 3,900.00
3HE09259FA	RTU - SAR-18 Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-18 node. One (1) OS License is required for each SAR-18 in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> . Note: Additional licenses (3HE09302AA, 3HE09302BA, 3HE09302CA) are required to enable hardware encryption on the SAR-18.	\$ 8,000.00	35%	\$ 5,200.00
3HE09259GA	RTU - SAR-X Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-X node. One (1) OS License is required for each SAR-X in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 8,000.00	35%	\$ 5,200.00

3HE09259HA	RTU - SAR-Ax Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-H node. One (1) OS License is required for each SAR-Ax in the network. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a>	\$ 3,500.00	35%	\$ 2,275.00
3HE09259JA	RTU - SAR-Hm/Hmc Network Group Encryption license. Includes maximum supported network group encryption throughput available on one SAR-Hm node. One (1) OS License is required for each SAR-Hm/Hmc in the network.	\$ 450.00	35%	\$ 292.50
3HE09259KA	ASL VSR Standard NGE 10Gbps - Application Software License (ASL) is required to enable up to 10Gbps (Full Duplex, for IMIX traffic distribution) of VSR Network Group Encryption (NGE) throughput. One (1) of these ASLs is required for every 10Gbps of NGE traffic required. Multiple instances may be applied to a single VSR to allow the desired throughput.	\$ 20,000.00	35%	\$ 13,000.00
3HE09260AA	7750 SR SFM5-12 & CPM5, one (1) required per 7750 SR12 slot Shelf, up to two (2) per 7750 SR12 slot Shelf for CPU and fabric redundancy Bundle includes; (1) 3HE08428AA - SFM - 7750 SR SFM5-12 (1) 3HE08423AA - CPM - 7750 SR CPM5	\$ 104,000.00	35%	\$ 67,600.00
3HE09261AA	7750 SR SFM5-7 & CPM5, one (1) required per 7750 SR7 slot Shelf, up to two (2) per 7750 SR7 slot Shelf for CPU and fabric redundancy Bundle includes; (1) 3HE08429AA - SFM - 7750 SR SFM5-7 (1) 3HE08423AA - CPM - 7750 SR CPM5	\$ 54,500.00	35%	\$ 35,425.00
3HE09262AA	7450 ESS SFM5-12 & CPM5, one (1) required per 7450 ESS-12 slot Shelf, up to two (2) per 7450 ESS-12 slot Shelf for CPU and fabric redundancy Bundle includes; (1) 3HE08430AA - SFM - 7450 ESS SFM5-12 (1) 3HE08432AA - CPM - 7450 ESS CPM5	\$ 104,000.00	35%	\$ 67,600.00
3HE09263AA	7450 ESS-7 SFM5-7 & CPM5, one (1) required per 7450 ESS-7 slot Shelf, up to two (2) per 7450 ESS-7slot Shelf for CPU and fabric redundancy Bundle Includes: (1) 3HE08431AA - SFM - 7450 ESS SFM5-7 (1) 3HE08432AA - CPM - 7450 ESS CPM5	\$ 54,500.00	35%	\$ 35,425.00
3HE09285AA	SROS Software license to enable use of the ISA2 for IPsec Tunneling Applications, this is a per system and per active ISA2 license.	\$ 185,000.00	35%	\$ 120,250.00
3HE09286AA	SROS Software license to enable use of IPsec Multi-Chassis Redundancy feature. This is a per system and per active ISA2 license. Multiple of these RTUs could be bought to match the total number of ISA2 that need IPsec Multi-Chassis Redundancy support.	\$ 30,000.00	35%	\$ 19,500.00
3HE09287AA	SROS Enhanced Subscriber Management (ESM) subscriber-host license for up to 256K subscriber-hosts.  This is a per system license. Multiple of these RTUs could be bought to match the total number of subscribers targeted to be supported on the chassis.	\$ 100,000.00	35%	\$ 65,000.00
3HE09288AA	SROS Selective offload with single IP. This is a per system license.	\$ 75,000.00	35%	\$ 48,750.00
3HE09289AA	SROS WIFI-GW Inter-chass Redundancy. This is a per system license.	\$ 25,000.00	35%	\$ 16,250.00
3HE09290AA	SROS WIFI Migrant User Support. This is a per system license.	\$ 25,000.00	35%	\$ 16,250.00
3HE09291AA	SROS WIFI 256K migrant Users. This is a per system license.	\$ 20,000.00	35%	\$ 13,000.00
3HE09292AA	SROS WIFI 512K migrant Users. This is a per system license.	\$ 40,000.00	35%	\$ 26,000.00
3HE09293AA	SROS WIFI 1M migrant Users. This is a per system license.	\$ 60,000.00	35%	\$ 39,000.00
3HE09294AA	SROS WIFI 2M migrant Users. This is a per system license.	\$ 80,000.00	35%	\$ 52,000.00
3HE09295AA	SROS Distributed Subscriber Management (DSM) base license. This base DSM license is required for using the subscriber management features implemented on MS-ISA on 7750 platforms for IPoE subscribers. This is a per system license.	\$ 20,000.00	35%	\$ 13,000.00
3HE09296AA	SROS 64K DSM hosts. This is a per system license.	\$ 25,000.00	35%	\$ 16,250.00
3HE09297AA	SROS 128K DSM hosts. This is a per system license.	\$ 50,000.00	35%	\$ 32,500.00
3HE09298AA	SROS 256K DSM hosts. This is a per system license.	\$ 85,000.00	35%	\$ 55,250.00
3HE09299AA	SROS 512K DSM hosts. This is a per system license.	\$ 170,000.00	35%	\$ 110,500.00
3HE09300AA	SROS 1M DSM hosts. This is a per system license.	\$ 350,000.00	35%	\$ 227,500.00
3HE09301AA	SROS 2M DSM hosts. This is a per system license.	\$ 700,000.00	35%	\$ 455,000.00
3HE09302AA	Encryption LICENSE for 3HE06151AC 8 PORT GE SFP CARD V3. One (1) License needed per card performing packet encryption and/or decryption. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 1,500.00	35%	\$ 975.00
3HE09302BA	Encryption LICENSE for 3HE06153AC 1 PORT 10GE / 10 PORT 1GE 10G-CARD V2. One (1) License needed per card performing packet encryption and/or decryption. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 5,000.00	35%	\$ 3,250.00
3HE09302CA	Encryption LICENSE for 3HE07943AA 2P 10GE+4P GE 10G ETH CARD. One (1) License needed per card performing packet encryption and/or decryption. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 1,500.00	35%	\$ 975.00
3HE09303AA	Fast ETHERNET module supporting 4xRJ45 10/100 ethernet data ports .	\$ 2,500.00	35%	\$ 1,625.00
3HE09303BA	Conformal Coated Variant of Fast ETHERNET module supporting 4xRJ45 10/100 ethernet data ports .	\$ 3,350.00	35%	\$ 2,177.50
3HE09326AA	1-port 10GBASE-SR Small Form-Factor Pluggable+ (SFP+) Optics Module, 850 nm, 26 to 300 meters, LC Connector, RoHS 6/6 compliant, -40/85C	\$ 2,995.00	35%	\$ 1,946.75
3HE09327AA	1-port 10GBASE-LR Small Form-Factor Pluggable+ (SFP+) Optics Module, Single Mode Fiber (SMF), 10km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, -40/85C	\$ 3,995.00	35%	\$ 2,596.75
3HE09328AA	1-port 10GBASE-ER Small Form-Factor Pluggable+ (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, 1550 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, -40/85C	\$ 11,995.00	35%	\$ 7,796.75
3HE09329AA	1-port 10GBASE-ZR Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 80km, 1550nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, -40/85C	\$ 19,995.00	35%	\$ 12,996.75
3HE09407FA	ASL R16.0 VSIM Simulator - Application Software License (ASL) supporting the VSIM functionality. One (1) ASL is required for each VSIM system, independent of the number of virtual machines that form the system. The VSIM supports most functionality of all 7x50 router HW and is intended to be used to test new SROS functionality in a release and or to test deployment architectures in a lab setting. The VSIM is intended to be used as a lab tool only and should not be used in a production or customer facing role. The ASL allows a forwarding rate of 250 packets per second per interface. The VSIM product carries limited technical support and software defects should be replicated on a hardware based 7x50 node before a customer defect report can be opened. A unique software license key is required to operate each individual VSIM system. The VSIM license is sold for the specified SROS release and is not covered by any other Nokia software support contract. Licenses for different releases must be purchased separately	\$ 5,000.00	35%	\$ 3,250.00

3HE09407GA	ASL R19 VSIM Simulator - Application Software License (ASL) supporting the VSIM functionality. One (1) ASL is required for each VSIM system, independent of the number of virtual machines that form the system. The VSIM supports most functionality of all 7x50 router HW and is intended to be used to test new SROS functionality in a release and or to test deployment architectures in a lab setting. The VSIM is intended to be used as a lab tool only and should not be used in a production or customer facing role. The ASL allows a forwarding rate of 250 packets per second per interface. The VSIM product carries limited technical support and software defects should be replicated on a hardware based 7x50 node before a customer defect report can be opened. A unique software license key is required to operate each individual VSIM system. The VSIM license is sold for the specified SROS release and is not covered by any other Nokia software support contract. Licenses for different releases must be purchased separately	\$ 5,000.00	35%	\$ 3,250.00
3HE09407HA	ASL R20 VSIM Simulator - Application Software License (ASL) supporting the VSIM functionality. One (1) ASL is required for each VSIM system, independent of the number of virtual machines that form the system. The VSIM supports most functionality of all 7x50 router HW and is intended to be used to test new SROS functionality in a release and or to test deployment architectures in a lab setting. The VSIM is intended to be used as a lab tool only and should not be used in a production or customer facing role. The ASL allows a forwarding rate of 250 packets per second per interface. The VSIM product carries limited technical support and software defects should be replicated on a hardware based 7x50 node before a customer defect report can be opened. A unique software license key is required to operate each individual VSIM system. The VSIM license is sold for the specified SROS release and is not covered by any other Nokia software support contract. Licenses for different releases must be purchased separately	\$ 5,000.00	35%	\$ 3,250.00
3HE09411AA	ETHERNET CABLE WITH RJ.5 AND RJ-45 (6M) for use with 3HE10113AA	\$ 150.00	35%	\$ 97.50
3HE09411BA	ETHERNET CABLE WITH RJ.5 AND RJ-45 (20M) for use with 3HE10113AA	\$ 400.00	35%	\$ 260.00
3HE09411CA	ETHERNET CABLE WITH RJ.5 AND RJ-45 (50M) for use with 3HE10113AA	\$ 900.00	35%	\$ 585.00
3HE09417AA	7750 SR-a Slot Filler/Impedance Panel for unused CPM or MDA slots.	\$ 800.00	35%	\$ 520.00
3HE09418AA	7750 SR-a Slot Filler/Impedance Panel for unused IOM slots.	\$ 900.00	35%	\$ 585.00
3HE09419AA	7750 SR-a Slot Filler/Impedance Panel for unused PSU slots.	\$ 800.00	35%	\$ 520.00
3HE09420AA	7750 SR-a4 Air Filter 5-Pack	\$ 1,200.00	35%	\$ 780.00
3HE09421AA	ACC - 7750 SR-a8 AIR FILTER-5 pack	\$ 1,350.00	35%	\$ 877.50
3HE09422AA	APEQ-DC-2200-2800 Power Equalizer Module	\$ 9,500.00	35%	\$ 6,175.00
3HE09423AA	APEQ-AC-3000 Power Equalizer Module	\$ 9,500.00	35%	\$ 6,175.00
3HE09425AA	7210 SAS-K 2F2T1C Ethernet system includes: (1) 7210 SAS + AC Power Adapter (No AC power cable included), (2) 10/100/1000 TX + Accepts(2) 1000 SFP + 1 Combo, Does not include 7210 SAS Operating Software	\$ 1,400.00	35%	\$ 910.00
3HE09426AA	7210 SAS-K 2F2T1C Ethernet system Extended Temperature Range includes: (1) 7210 SAS-K Does not include a power supply, (2) 10/100/1000 TX + Accepts(2) 1000 SFP + 1 Combo, Does not include 7210 SAS Operating Software	\$ 1,900.00	35%	\$ 1,235.00
3HE09427AA	CHAS - 7210 SAS-R12 CHASSIS SPARE	\$ 16,350.00	35%	\$ 10,627.50
3HE09428AA	FAN - 7210 SAS-R12 Fan Tray	\$ 3,650.00	35%	\$ 2,372.50
3HE09429AA	PEM - 7210 SAS-R12 -48V	\$ 1,575.00	35%	\$ 1,023.75
3HE09430AA	SF/CPM - 7210 SAS-R12	\$ 14,550.00	35%	\$ 9,457.50
3HE09431AA	PS 7210 SAS-R AC Power shelve	\$ 1,250.00	35%	\$ 812.50
3HE09432AA	PS 7210 SAS-R AC Power modules	\$ 1,800.00	35%	\$ 1,170.00
3HE09434DA	Nuage Virtualized Services Directory (VSD) Cluster - Virtual Appliance Edition - Add-on license for a clustered (redundant) VSD instance. Requires VSD Standalone license purchase.	\$ 67,995.00	35%	\$ 44,196.75
3HE09435AA	Nuage Virtualized Services Directory (VSD) Cluster - Virtual Appliance Edition - Add-on licence for an annual RTU License for a (redundant) VSD cluster. Requires VSD (non-redundant) Standalone subscription. Nuage VSD runs as a virtual machine (VM) on a server. Includes Software Release Subscription (SRS)	\$ 26,995.00	35%	\$ 17,546.75
3HE09469DA	Nuage Virtual Routing and Switching Software License per server (upto 4x40GigE interface) with VMware ESXi. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 16,995.00	35%	\$ 11,046.75
3HE09479DA	Nuage Virtual Routing and Switching Software License per server (upto 4x40GigE interface) with KVM. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 16,995.00	35%	\$ 11,046.75
3HE09495DA	Nuage Virtual Routing and Switching Software Gateway License per server (upto 4x40GigE interface). Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 16,995.00	35%	\$ 11,046.75
3HE09500AA	1-port 100BASE-FX Small Form-Factor Pluggable (SFP) Optics Module, Multimode Fiber (SMF), 2 km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 400.00	35%	\$ 260.00
3HE09507FA	OS - 7210 SAS-T Release 20.X Base OS. This is a per chassis license, valid for release 20.XR. It provides the base OS and includes support for native and MPLS-based Ethernet services (e.g. VPLS and Epipe services). It excludes the use of MPLS-TP and IP services (e.g. VPRNs and IES services). It must also be purchased to upgrade to release 20.X. Includes one (1) programmed 2GB Compact Flash cards with the Operating Software.	\$ 900.00	35%	\$ 585.00
3HE09540DA	Nuage Virtual Routing and Switching Software License per server (upto 4x10GigE interface) with VMware ESXi. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 4,895.00	35%	\$ 3,181.75
3HE09542DA	Nuage Virtual Routing and Switching Software License per server (upto 4x10GigE interface) with KVM. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 4,895.00	35%	\$ 3,181.75
3HE09546DA	Nuage Virtual Routing and Switching Software Gateway License per server (upto 4x10GigE interface) for Release 4.0. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 4,895.00	35%	\$ 3,181.75
3HE09548AA	Power Supply Unit (PSU) - 7750 SR-e -48V DC	\$ 2,700.00	35%	\$ 1,755.00
3HE09549AA	Power Supply Unit (PSU)PSU - 7750 SR-e AC PSU	\$ 3,200.00	35%	\$ 2,080.00
3HE09550WA	7750 SR-a4/8 Release 16.0 Operating Software License. Notes: One (1) Operating Software License is required for each SR-a4 and SR-a8 in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.	\$ 5,000.00	35%	\$ 3,250.00
3HE09551AA	License to upgrade a 3HE09202CA L2HQ IOM-a to a 3HE09202BA L3BQ Feature set.	\$ 18,000.00	35%	\$ 11,700.00



3HE09552AA	License to upgrade a 3HE09202BA L3BQ IOM-a to a 3HE09202AA L3HQ Feature set.	\$ 29,000.00	35%	\$ 18,850.00
3HE09553AA	License to upgrade a 3HE09202CA L2HQ IOM-a to a 3HE09202AA L3HQ Feature set.	\$ 45,000.00	35%	\$ 29,250.00
3HE09569AA	RTU – 7210 SAS-T IP Services License. This is a per chassis license. It enables support of IP services (e.g. VPRN, IES and L3 VPNs using BGP 3107).	\$ 400.00	35%	\$ 260.00
3HE09570AA	RTU – 7210 SAS-T MPLS-TP Services License. This is a per chassis license. It enables MPLS-TP based Ethernet services (i.e. Epipe services).	\$ 400.00	35%	\$ 260.00
3HE09571AA	RTU – 7210 SAS-T PTP/1588 & Timing Interfaces License. This is a per chassis license. It enables the following Timing interfaces and software – BITS, 1pps, 10MHz, ToD and PTP/1588. NOTE: SyncE is available with the base OS software license and does not require a separate license.	\$ 400.00	35%	\$ 260.00
3HE09577AA	ePDG Application Software License	\$ 40,000.00	35%	\$ 26,000.00
3HE09578AA	ePDG RTU LIC FOR 10K Bearers	\$ 20,000.00	35%	\$ 13,000.00
3HE09608AA	ACC - 7750/7705/7210 Vertical Rack Mount 300mm	\$ 6,950.00	35%	\$ 4,517.50
3HE09609AA	ACC - 7750/7705/7210 Cable Management Tray (Fits the vertical rack mount)	\$ 2,780.00	35%	\$ 1,807.00
3HE09648AA	7750 SR IOM4-e Baseboard. Accepts up to 2 MDA-e Full Service Routing Functionality, Full Queuing, hierarchical policing, IPv4/IPv6 routing services. Available upgrades/licenses: VPRN	\$ 422,500.00	35%	\$ 274,625.00
3HE09648BA	7750 SR IOM4-e Baseboard. Accepts up to 2 MDA-e Includes "Layer-3 basic Queuing" IMM Software License/functionality for full IPv4/IPv6 routing services. Limited to 8 ingress and 8 egress queues per port. Does not include Hierarchical Policers. Available upgrades/licenses: VPRN, upgrade to L3HQ	\$ 125,000.00	35%	\$ 81,250.00
3HE09648CA	7750 SR IOM4-e Baseboard. Accepts up to 2 MDA-e Includes "Layer-2 High Queuing" IMM Software License/functionality for full ESS functionality which includes the use of full queuing and policing with layer-2 services. Excludes use of multicast routing protocol or services, IPv6 routing services, VPRN services (including IPv4 and IPv6 VPNs), network interfaces when installed in a chassis running the above mentioned restricted services. Available upgrades/licenses: upgrade to L3HQ	\$ 250,000.00	35%	\$ 162,500.00
3HE09649AA	7750 SR 10-port 10GBASE MDA-e. Accepts ten (10) SFP+ 10GBase Optics Modules.	\$ 145,000.00	35%	\$ 94,250.00
3HE09697AA	Contracted Annual Software Release Subscription (SRS) for Nuage outside of NAR. Entitles customer to unlimited software upgrade licenses for one year. Annual contracts must be purchased against the total installed base for a given customer network or channel based on the perpetual license pricing. Contact local B&P team or IPD BD for more information. Customer must complete Export Control Doc. prior to release of any S/W. Part number for use on all orders outside of NAR.	Contact RBC's	35%	#VALUE!
3HE09697AB	Same as 3HE09697AA. Part number for NAR Quote to cash (QTC) orders only.	Contact RBC's	35%	#VALUE!
3HE09698AA	A mechanical Rack/Cabinet Mounting Kit for SAR-W and SAR-O. Can be used in 19 inch or 23 inch racks.	\$ 810.00	35%	\$ 526.50
3HE09704AA	PS 7210 SAS-R AC Power shelf impedance panel	\$ 35.00	35%	\$ 22.75
3HE09711DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router License 100Mbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 660.00	35%	\$ 429.00
3HE09712DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router License 200Mbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 990.00	35%	\$ 643.50
3HE09713DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router License 500Mbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 1,650.00	35%	\$ 1,072.50
3HE09714DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router RTU License 1Gbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 3,300.00	35%	\$ 2,145.00
3HE09715DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router RTU License 2Gbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 9,900.00	35%	\$ 6,435.00
3HE09716DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router RTU License 10Gbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 11,880.00	35%	\$ 7,722.00

3HE09717DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router License 100Mbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 300.00	35%	\$ 195.00
3HE09718DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router License 200Mbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 450.00	35%	\$ 292.50
3HE09719DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router License 500Mbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 750.00	35%	\$ 487.50
3HE09720DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router RTU License 1Gbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 1,500.00	35%	\$ 975.00
3HE09721DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router RTU License 2Gbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 4,500.00	35%	\$ 2,925.00
3HE09722DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router RTU License 10Gbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 5,400.00	35%	\$ 3,510.00
3HE09723DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Right-To-Use 100Mbps	\$ 55.00	35%	\$ 35.75
3HE09724DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Right-To-Use 200Mbps	\$ 85.00	35%	\$ 55.25
3HE09725DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Right-To-Use 500Mbps	\$ 140.00	35%	\$ 91.00
3HE09726DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) RTU License 1Gbps	\$ 275.00	35%	\$ 178.75
3HE09727DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) RTU License 2Gbps	\$ 825.00	35%	\$ 536.25
3HE09728DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) RTU License 10Gbps	\$ 990.00	35%	\$ 643.50
3HE09729DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Right-To-Use 100Mbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 85.00	35%	\$ 55.25
3HE09730DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Right-To-Use 200Mbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 125.00	35%	\$ 81.25
3HE09731DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Right-To-Use 500Mbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 210.00	35%	\$ 136.50
3HE09732DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) RTU License 1Gbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 415.00	35%	\$ 269.75
3HE09733DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) RTU License 2Gbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 1,240.00	35%	\$ 806.00
3HE09734DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) RTU License 10Gbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 1,485.00	35%	\$ 965.25
3HE09735DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Right-To-Use 100Mbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes	\$ 140.00	35%	\$ 91.00
3HE09736DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Right-To-Use 200Mbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes	\$ 210.00	35%	\$ 136.50
3HE09737DA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Right-To-Use 500Mbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 345.00	35%	\$ 224.25
3HE09738DA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics RTU License 1Gbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 690.00	35%	\$ 448.50
3HE09739DA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics RTU License 2Gbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 2,065.00	35%	\$ 1,342.25
3HE09740DA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics RTU License 10Gbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 2,475.00	35%	\$ 1,608.75

3HE09741DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Right-To-Use 100Mbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 140.00	35%	\$ 91.00
3HE09742DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Right-To-Use 200Mbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 210.00	35%	\$ 136.50
3HE09743DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Right-To-Use 500Mbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 345.00	35%	\$ 224.25
3HE09744DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining RTU License 1Gbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 690.00	35%	\$ 448.50
3HE09745DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining RTU License 2Gbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 2,065.00	35%	\$ 1,342.25
3HE09746DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining RTU License 10Gbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 2,475.00	35%	\$ 1,608.75
3HE09747AA	RTU - SAR-8/18H/Hc/Wx/X Basic Firewall license. One (1) OS License is required for each SAR-8/18H/Hc/Wx/X in the network. Note: additional hardware firewall RTU is needed for HW performing firewall functionality.	\$ 2,000.00	35%	\$ 1,300.00
3HE09747BA	Firewall LICENSE for 8 PORT GE SFP CARD (All versions). One (1) License needed per card performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 2,000.00	35%	\$ 1,300.00
3HE09747BB	Hardware Firewall LICENSE for 2 PORT 10GE XFP CARD. One (1) License needed per card performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 2,000.00	35%	\$ 1,300.00
3HE09747BC	Hardware Firewall LICENSE for Packet Microwave CARD. One (1) License needed per card performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 2,000.00	35%	\$ 1,300.00
3HE09747BD	Hardware Firewall LICENSE for 1 PORT 10GE / 10 PORT 1GE 10G-CARD (All versions). One (1) License needed per card performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 6,000.00	35%	\$ 3,900.00
3HE09747BE	Hardware Firewall LICENSE for 6 PORT 10GE CARD (3HE06789AA, 3HE06789BA). One (1) License needed per card performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 6,000.00	35%	\$ 3,900.00
3HE09747CA	Hardware Firewall LICENSE for SAR-H. One (1) License needed per SAR-H performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 2,000.00	35%	\$ 1,300.00
3HE09747CB	Hardware Firewall LICENSE for SAR-Hc. One (1) License needed per SAR-Hc performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 2,000.00	35%	\$ 1,300.00
3HE09747CC	Hardware Firewall LICENSE for SAR-Wx. One (1) License needed per SAR-Wx performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 2,000.00	35%	\$ 1,300.00
3HE09747CD	Hardware Firewall LICENSE for SAR-X. One (1) License needed per SAR-X performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality.	\$ 6,000.00	35%	\$ 3,900.00
3HE09747CE	Hardware Firewall LICENSE for SAR-Ax. One License needed per SAR-Ax performing Firewall functionality. Note: additional Basic SW firewall RTU is needed to enable firewall functionality. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 2,000.00	35%	\$ 1,300.00
3HE09749AA	ACC - 7210 SAS-K AC Non-ETR Power Cable - 5 pack - United States / Canada / South America	\$ 150.00	35%	\$ 97.50
3HE09749AB	ACC - 7210 SAS-K AC Non-ETR Power Cable - (1) - United States / Canada / South America	\$ 120.00	35%	\$ 78.00
3HE09750AA	ACC - 7210 SAS-K AC Non-ETR Power Cable - 5 pack - Continental Europe	\$ 150.00	35%	\$ 97.50
3HE09751AA	ACC - 7210 SAS-K AC Non-ETR Power Cable - 5 pack - United Kingdom / Hong Kong / Singapore	\$ 200.00	35%	\$ 130.00
3HE09752AA	PS - 7210 SAS-K AC Non-ETR Universal Power Supply - 5 pack Suits 7210 SAS-K 5 port device only	\$ 375.00	35%	\$ 243.75
3HE09752AB	PS - 7210 SAS-K AC Non-ETR Universal Power Supply - (1) Suits 7210 SAS-K 5 port device only	\$ 180.00	35%	\$ 117.00
3HE09879AA	7950 XRS-20 main system honeycomb Air Filter assembly	\$ 2,600.00	35%	\$ 1,690.00
3HE09881AA	7750 SR 1-port 100GBASE MDA-e. Accepts one (1) CFP2 100GBase Optic Module.	\$ 185,000.00	35%	\$ 120,250.00
3HE09904AA	ACC - Dust Cover - CFP2 (x4)	\$ 300.00	35%	\$ 195.00
3HE09905AA	ACC - Dust Cover - CFP4 (x10)	\$ 300.00	35%	\$ 195.00
3HE09914AB	ACC - 7210 SAS-K 2F2T1C & 2F4T6C rack mount, fits two side by side 7210 SAS-K5 or a single K12 and their AC power supply in a single RU 19" rack	\$ 266.00	35%	\$ 172.90
3HE09915AA	ACC - 7210 SAS-M/Mxp/T 19" rack mount (5 set pack)	\$ 175.00	35%	\$ 113.75
3HE09968AA	SROS URL Filter Res 10k Subs - Right to Use (RTU) required for Application Assurance local list URL filtering for residential (ESM or transit-AA) subscribers. One (1) of these RTUs is required for URL filtering for every increment of 10,000 subscribers.s. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 10,000.00	35%	\$ 6,500.00
3HE09969AA	SROS URL Filter 10 Gbps - Right to Use (RTU) required for Application Assurance local list URL filtering for aggregate traffic without subscriber context. One (1) of these RTUs is required for URL filtering on every increment of 10 Gbps traffic. Required only if the per-subscriber URL filter RTU is not purchased. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 10,000.00	35%	\$ 6,500.00
3HE09970AA	RTU MGW AA URL Filter 10k Subs - Right to Use (RTU) required for Application Assurance local list URL filtering for subscribers. One (1) of these RTUs is required for URL filtering for every increment of 10,000 subscribers, in addition to AA identification and control RTUs. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 1,000.00	35%	\$ 650.00
3HE09976AA	Compact Flash dust cover for the SF/CPM2/3/4 for cf1 & cf2 slots, 10 pack	\$ 950.00	35%	\$ 617.50
3HE09977AA	Compact Flash dust cover for the CPM5 10 pack	\$ 950.00	35%	\$ 617.50
3HE09978AA	Compact Flash cover for CPM-a 10pkg	\$ 950.00	35%	\$ 617.50
3HE09980AA	SROS URL Filter Wifi 10k Subs - Right to Use (RTU) required for Application Assurance local list URL filtering for Wifi DSM subscribers. One (1) of these RTUs is required for URL filtering for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 2,500.00	35%	\$ 1,625.00
3HE10016AA	RTU - Enable FEC/G.709 support per 6x10GE, 10x10GE or 1x100GE MDA-e	\$ 35,000.00	35%	\$ 22,750.00
3HE10017AA	RTU AA ICAP Control Res 10k Subs - Right to Use (RTU) required for Application Assurance ICAP session control for residential (ESM and transit-AA) subscribers. One (1) of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 100,000.00	35%	\$ 65,000.00
3HE10018AA	SROS ID and CTL Wifi 10k Subs - Right to Use (RTU) required for Application Assurance traffic identification and control for wifi DSM subscribers. One (1) of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 10,000.00	35%	\$ 6,500.00

3HE10019AA	SROS IBN Wifi 10K Subs - Right to Use (RTU) required for Application Assurance IBN rules for in-browser notification (IBN) for wifi DSM subscribers. One (1) of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 2,500.00	35%	\$ 1,625.00
3HE10020AA	SROS 3M DSM hosts. This is a per system license.	\$ 1,000,000.00	35%	\$ 650,000.00
3HE10021AA	SROS 4M DSM hosts. This is a per system license.	\$ 1,400,000.00	35%	\$ 910,000.00
3HE10022AA	SROS 5M DSM hosts. This is a per system license.	\$ 1,750,000.00	35%	\$ 1,137,500.00
3HE10023AA	SROS 6M DSM hosts. This is a per system license.	\$ 2,100,000.00	35%	\$ 1,365,000.00
3HE10024AA	RTU MGW IBN 10K Subs - Right to Use (RTU) required for Application Assurance IBN rules for in-browser notification (IBN) for subscribers. One (1) of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 1,000.00	35%	\$ 650.00
3HE10025AA	RTU MGW AA ICAP Control 10k Subs - Right to Use (RTU) required for Application Assurance ICAP session control for subscribers. One (1) of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 20,000.00	35%	\$ 13,000.00
3HE10026AA	RTU MGW AA RTP Perf 10k Subs - Right to Use (RTU) required for Application Assurance RTP Performance Measurement, including enable RTP Performance license. One (1) of these RTUs is required for every increment of 10,000 subscribers undergoing RTP performance measurement. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 12,500.00	35%	\$ 8,125.00
3HE10028AA	ACC - 7210 SAS-K 2F4T6C ETR wall mount, fits one 7210 SAS-K 2F4T6C ETR and its power supplies	\$ 375.00	35%	\$ 243.75
3HE10029AA	PS - 7210 SAS-K (5) ETR AC power supply (Can also be used in the 7210 SAS-K Non-ETR)	\$ 350.00	35%	\$ 227.50
3HE10030AA	PS - 7210 SAS-K (5) ETR -48V DC power supply (Can also be used in the 7210 SAS-K Non-ETR)	\$ 360.00	35%	\$ 234.00
3HE10040AA	Includes a single 6 ft (1.8M) long AC ETR auto-Lock Power Cord (NEMA 5-15P to IEC 320-C13). Can be used for North American deployments with SAR-X or SAR-H.	\$ 275.00	35%	\$ 178.75
3HE10041AA	Includes a single 8.2 ft (2.5M) long AC ETR auto-Lock Power Cord (Schuko CEE 7/7 to IEC 320-C13). Can be used for European deployments with SAR-X or SAR-H.	\$ 275.00	35%	\$ 178.75
3HE10075AB	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ system includes; 2 GB CPU memory (1) Fan Tray, Accepts (22) 100/1000 SFP + (2) Combo ports + (4) SFP+ Does not include 7210 SAS Operating Software or usage licenses.	\$ 11,000.00	35%	\$ 7,150.00
3HE10076AB	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ Extended Temperature Range system includes; 2 GB CPU memory, (1) Fan Tray, Accepts(22) 100/1000 SFP + (2) Combo ports + (4) SFP+ Does not include 7210 SAS Operating Software or usage licenses.	\$ 16,000.00	35%	\$ 10,400.00
3HE10076BB	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ Extended Temperature Range, Conformal Coated system includes; 2 GB CPU memory, (1) Fan Tray, Accepts(22) 100/1000 SFP + (2) Combo ports + (4) SFP+ Does not include 7210 SAS Operating Software or usage licenses. Must be used with Conformal Coated Power Supply to maximize benefit of CC.	\$ 17,000.00	35%	\$ 11,050.00
3HE10113AA	2-port 10/100/1000BASE-T Compact Small Form-Factor Pluggable (SFP) Copper Module, Cat5, RJ.5 Connector, RoHS 6/6 compliant.	\$ 680.00	35%	\$ 442.00
3HE10114AA	ACC 7750 SR-12e AC bezel	\$ 1,750.00	35%	\$ 1,137.50
3HE10199AA	1-port OC-3/STM-1 SFP ,OC-3/STM-1 TSOP over GE, IR-1 / I-1, Single Mode Fiber (SMF), 15-21km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 10,800.00	35%	\$ 7,020.00
3HE10202AA	1-port OC-12/STM-4 SFP ,OC-12/STM-4 TSOP over GE, IR-1 / I-1, Single Mode Fiber (SMF), 15-21km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 12,800.00	35%	\$ 8,320.00
3HE10212AA	SROS ICAP Control Wifi 10k Subs - Right to Use (RTU) required for Application Assurance ICAP session control for Wifi DSM subscribers. One (1) of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 10,000.00	35%	\$ 6,500.00
3HE10218GA	OS - 7210 SAS-K 2F1C2T, Release 20.X Base OS license / Native Ethernet L2 VPNs license. This license is required for both ETR and non-ETR variants.  This is a per chassis license valid for release 20.X. It provides the Base OS and includes support for native Ethernet services (e.g. Layer-2 VPLS and Epipe services). It also includes support for syncE and PTP.  It must also be purchased for upgrade to release 20.X. It will shipped on a SD Card.	\$ 225.00	35%	\$ 146.25
3HE10219AA	PS - 7210 SAS-K (5) ETR +24V DC power supply (Can also be used in the 7210 SAS-K Non-ETR)	\$ 400.00	35%	\$ 260.00
3HE10275AA	7950 XRS-20 pwr stud repair kit to replace broken studs in the rear power panel. Includes tool to remove studs and two (different sizes ) replacement studs.  This kit is compatible with the SR-12e chassis for power stud replacement.	\$ 650.00	35%	\$ 422.50
3HE10295AA	ACC - 7750 SR-e CCM-e Impedance Panel Qty 1	\$ 700.00	35%	\$ 455.00
3HE10296AA	ACC - 7750 SR-e CPM-e Impedance Panel Qty 1	\$ 800.00	35%	\$ 520.00
3HE10297AA	ACC - 7750 SR-e IOM-e Impedance Panel Qty 1	\$ 900.00	35%	\$ 585.00
3HE10298AA	ACC - 7750 SR-1e Air Filters (5 pack)	\$ 1,900.00	35%	\$ 1,235.00
3HE10299AA	ACC - 7750 SR-2e Air Filters (5 pack)	\$ 2,100.00	35%	\$ 1,365.00
3HE10300AA	ACC - 7750 SR-3e Air Filters (5 pack)	\$ 2,500.00	35%	\$ 1,625.00
3HE10301AA	7750 SR-1e Chassis Spare. Includes; 7750 SR-1e Chassis & Fan Filter	\$ 31,000.00	35%	\$ 20,150.00
3HE10302AA	7750 SR-2e Chassis Spare. Includes; 7750 SR-2e Chassis & Fan Filter	\$ 35,000.00	35%	\$ 22,750.00
3HE10303AA	7750 SR-3e Chassis Spare. Includes; 7750 SR-3e Chassis & Fan Filter	\$ 37,000.00	35%	\$ 24,050.00
3HE10304AA	FAN - 7750 SR-1e Fan Tray	\$ 7,200.00	35%	\$ 4,680.00
3HE10305AA	FAN - 7750 SR-2e Fan Tray	\$ 7,900.00	35%	\$ 5,135.00
3HE10306AA	FAN - 7750 SR-3e Fan Tray	\$ 8,900.00	35%	\$ 5,785.00
3HE10309AA	CCM - 7750 SR-e CCM-e	\$ 5,000.00	35%	\$ 3,250.00
3HE10310AA	CPM - 7750 SR-e CPM-e	\$ 45,000.00	35%	\$ 29,250.00
3HE10311AA	7750 SR IOM-e Baseboard.  Full Service Routing Functionality, Full Queuing, hierarchical policing, IPv4/IPv6 routing services. Available upgrades/licenses: VPRN	\$ 198,000.00	35%	\$ 128,700.00
3HE10311BA	7750 SR IOM-e Baseboard.  Includes "Layer-2 High Queuing" IMM Software License/functionality for full ESS functionality which includes the use of full queuing and policing with layer-2 services.  Excludes use of multicast routing protocol or services, IPv6 routing services, VPRN services (including IPv4 and IPv6 VPNs), network interfaces when installed in a chassis running the above mentioned restricted services. Available upgrades/licenses: upgrade to L3HQ.	\$ 117,000.00	35%	\$ 76,050.00
3HE10311CA	7750 SR IOM-e Baseboard.  Includes "Layer-3 basic Queuing" IMM Software License/functionality for full IPv4/IPv6 routing services. Limited to 8 ingress and 8 egress queues per port. Does not include Hierarchical Policers. Available upgrades/licenses: VPRN, upgrade to L3HQ	\$ 69,000.00	35%	\$ 44,850.00
3HE10312AA	ACC - MDA-e & MDA-e-XP Impedance Panel Qty 1	\$ 700.00	35%	\$ 455.00

3HE10328AA	7210 SAS-Sx SONET/SDH satellite system can be configured as a 4-port OC3/STM1 or 1-port OC12/STM4, with support for channelization to DS1/E1. The system is managed by the 7750 SR host to provide TDM services on access.	\$ 30,000.00	35%	\$ 19,500.00
3HE10329AA	1RU SAR-Ax with redundant DC power feeds (-48V/+24V), 12x1GE ( 4 RJ45/SFP combo, 8 SFP) ports and an integrated GNSS. It supports built-in Control/Switch functionality. OS and other licenses sold separately.	\$ 12,500.00	35%	\$ 8,125.00
3HE10338AA	Includes two CPX Modules and one 19 inch 1RU CPX chassis to hold up to 8 CPX modules. The SPD kit is required to meet IEE1613/IEC61850-3 surge requirements on SAR-18 and SAR-8	\$ 2,300.00	35%	\$ 1,495.00
3HE10339AA	CPX Defender module designed to fit in the CPX 1 RU Chassis, with 3 mode protection.	\$ 650.00	35%	\$ 422.50
3HE10365CA	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 70km, 1471 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 19,995.00	35%	\$ 12,996.75
3HE10365CB	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 70km, 1491 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 19,995.00	35%	\$ 12,996.75
3HE10365CC	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 70km, 1511 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 19,995.00	35%	\$ 12,996.75
3HE10365CD	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 70km, 1531 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 19,995.00	35%	\$ 12,996.75
3HE10365CE	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 70km, 1551 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 19,995.00	35%	\$ 12,996.75
3HE10365CF	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 70km, 1571 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 19,995.00	35%	\$ 12,996.75
3HE10365CG	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 70km, 1591 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 19,995.00	35%	\$ 12,996.75
3HE10365CH	1-port 10GBASE CWDM Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 70km, 1611 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant.	\$ 19,995.00	35%	\$ 12,996.75
3HE10413AF	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ System includes; 2 GB CPU memory (1) 3HE10075AB SYS-7210 SAS-Mxp 22F2C4SFP+ (1) 3HE06336AB 7210 SAS-M/T/Mxp ETR +24V (200W) DC Power Supply Does not include 7210 SAS Operating Software or usage licenses.	\$ 11,950.00	35%	\$ 7,767.50
3HE10413AG	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ AC system includes; 2 GB CPU memory (1) 3HE10075AB SYS-7210 SAS-Mxp 22F2C4SFP+ (1) 3HE04414AB PS-7210 SAS Mxp/T AC PS (NON-ETR) 200 Watt Does not include 7210 SAS Operating Software or usage licenses.	\$ 11,950.00	35%	\$ 7,767.50
3HE10413AH	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ DC system includes; 2 GB CPU memory (1) 3HE10075AB SYS-7210 SAS-Mxp 22F2C4SFP+ (1) 3HE04415AB PS-7210 SAS Mxp/T DC -48V PS (NON-ETR) 200W Does not include 7210 SAS Operating Software or usage licenses.	\$ 12,052.00	35%	\$ 7,833.80
3HE10414AD	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ AC Extended Temperature Range system includes; 2 GB CPU memory (1) 3HE10076AB SYS - 7210 SAS-Mxp 22F2C4SFP+ ETR (1) 3HE05580AB 7210 SAS (200W) AC ETR Power supply Does not include 7210 SAS Operating Software or usage licenses.	\$ 17,500.00	35%	\$ 11,375.00
3HE10414AE	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ -48V DC Extended Temperature Range system includes; 2 GB CPU memory (1) 3HE10076AB SYS - 7210 SAS-Mxp 22F2C4SFP+ ETR (1) 3HE05581AB 7210 SAS -48V (200W) DC ETR Power supply Does not include 7210 SAS Operating Software or usage licenses.	\$ 17,400.00	35%	\$ 11,310.00
3HE10414AF	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ +24V DC Extended Temperature Range system includes; 2 GB CPU memory (1) 3HE10076AB SYS - 7210 SAS-Mxp 22F2C4SFP+ ETR (1) 3HE06336AB 7210 SAS +24V (200W) DC Power supply, Does not include 7210 SAS Operating Software or usage licenses.	\$ 17,750.00	35%	\$ 11,537.50
3HE10415AG	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ AC system includes; 2 GB CPU memory. With NAR AC Cable (1) 3HE10075AB SYS-7210 SAS-Mxp 22F2C4SFP+ (1) 3HE04414AB PS-7210 SAS Mxp/T AC PS (NON-ETR) 200 Watt (1) 3HE00271AA CBL - AC PWR CBL 110V USA Does not include 7210 SAS Operating Software or usage licenses.	\$ 11,840.00	35%	\$ 7,696.00
3HE10415AH	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ AC system includes; 2 GB CPU memory. With UK AC Cable (1) 3HE10075AB SYS-7210 SAS-Mxp 22F2C4SFP+ (1) 3HE04414AB PS-7210 SAS Mxp/T AC PS (NON-ETR) 200 Watt (1) 3HE00271AD CBL - AC PWR CBL 110V UK Does not include 7210 SAS Operating Software or usage licenses.	\$ 11,854.00	35%	\$ 7,705.10
3HE10415AJ	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ AC system includes; 2 GB CPU memory. With EUR AC Cable (1) 3HE10075AB SYS-7210 SAS-Mxp 22F2C4SFP+ (1) 3HE04414AB PS-7210 SAS Mxp/T AC PS (NON-ETR) 200 Watt (1) 3HE00271AC CBL - AC PWR CBL 110V EUR Does not include 7210 SAS Operating Software or usage licenses.	\$ 11,863.00	35%	\$ 7,710.95
3HE10416AD	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ AC Extended Temperature Range system includes; 2 GB CPU memory w NAR Power cord (1) 3HE10076AB SYS - 7210 SAS-Mxp 22F2C4SFP+ ETR (1) 3HE05580AB 7210 SAS (200W) AC Power supply, (1) 3HE00271AA CBL - AC PWR CBL 110V USA Does not include 7210 SAS Operating Software or usage licenses.	\$ 17,500.00	35%	\$ 11,375.00
3HE10416AE	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ AC Extended Temperature Range system includes; 2 GB CPU memory w UK Power cord (1) 3HE10076AB SYS - 7210 SAS-Mxp 22F2C4SFP+ ETR (1) 3HE05580AB 7210 SAS (200W) AC Power supply (1) 3HE00271AD CBL - AC PWR CBL 110V UK Does not include 7210 SAS Operating Software or usage licenses.	\$ 17,500.00	35%	\$ 11,375.00
3HE10416AF	SYS - 7210 SAS-Mxp 22F 2C 4SFP+ AC Extended Temperature Range system includes; 2 GB CPU memory w UK Power cord (1) 3HE10076AB SYS - 7210 SAS-Mxp 22F2C4SFP+ ETR (1) 3HE05580AB 7210 SAS (200W) AC Power supply (1) 3HE00271AC CBL - AC PWR CBL 110V EUR Does not include 7210 SAS Operating Software or usage licenses.	\$ 17,500.00	35%	\$ 11,375.00
3HE10417EA	OS - 7210 SAS-Mxp Release 20.X Base OS license, Standalone mode.  This is a per chassis license, valid for release 20.X. It provides the base OS and includes support for native and MPLS-based Ethernet services (e.g. VPLS and Epipe services). It excludes the use of IP services (e.g. VPRNs and IES services). It is required to operate 7210 SAS-Mxp ETR and non-ETR chassis, in standalone mode.  It excludes the use satellite mode of operation. It must also be purchased for upgrade to release 20.X. Includes one (1) programmed 2GB Compact Flash cards with the Operating Software.	\$ 900.00	35%	\$ 585.00

3HE10418AA	RTU – 7210 SAS-Mxp IP Services License. This is a per chassis license. It enables support of IP services (e.g. VPRN, IES and L3 VPNs using BGP 3107).	\$ 500.00	35%	\$ 325.00
3HE10420AA	RTU – 7210 SAS-Mxp PTP/1588 & Timing Interfaces License. This is a per chassis license. It enables the following Timing interfaces and software – BITS, 1pps, 10MHz, ToD and PTP/1588. NOTE: SyncE is available with the base OS software license and does not require a separate license.	\$ 500.00	35%	\$ 325.00
3HE10421AA	1-port 100GE CFP2 MDA-a XP for the 7750 SR-a family. Optics Module must be purchased separately.	\$ 31,000.00	35%	\$ 20,150.00
3HE10427AA	Multi-Service Integrated Services Module-2 which could be used for AA, LNS, NAT	\$ 50,000.00	35%	\$ 32,500.00
3HE10428AA	Multi-Service Integrated Services Module-2 which could be used for AA, BB, LNS, NAT (no Encryption)	\$ 50,000.00	35%	\$ 32,500.00
3HE10429AA	7750 SR 6-port 10GBASE MDA-e. Accepts six (6) SFP+ 10GBase Optics Modules.	\$ 87,000.00	35%	\$ 56,550.00
3HE10439AA	ACC - 7210 SAS-R12 PEM Impedance Panel	\$ 185.00	35%	\$ 120.25
3HE10440AA	ACC – 7210 SAS-R12 AIR FILTER 5 pack	\$ 1,250.00	35%	\$ 812.50
3HE10441AA	ACC - 7210 SAS-R12 SF/CPM Impedance Panel	\$ 185.00	35%	\$ 120.25
3HE10447AA	Includes a single 8.2 ft (2.5M) long PSE certified auto-locking Japanese AC power cord ,12A/125V with (JIS 8303 plug to IEC320-C13). Can be used for Japan deployments with SAR-X or SAR-H	\$ 275.00	35%	\$ 178.75
3HE10452AA	1-port 10GBASE-BX40-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, TX: 1270nm, RX: 1330nm; LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature - 40/85C	\$ 5,995.00	35%	\$ 3,896.75
3HE10452AB	1-port 10GBASE-BX40-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 40km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature - 40/85C	\$ 5,995.00	35%	\$ 3,896.75
3HE10468AA	7750 SR-1e Chassis DC PSU starter bundle. Bundle Includes: (2) 3HE09419AA - ACC - 7750 SR-a PSU Impedance Panel (2) 3HE09548AA - PSU - 7750 SR-e -48V DC PSU (1) 3HE10295AA - ACC - 7750 SR-e CCM Impedance Panel (1) 3HE10296AA - ACC - 7750 SR-e CPM Impedance Panel (1) 3HE10301AA - CHAS - 7750 SR-1e Chassis Spare (1) 3HE10304AA - FAN - 7750 SR-1e Fan Tray (1) 3HE10309AA - CCM - 7750 SR-e CCM-e (1) 3HE10310AA - CPM - 7750 SR-e CPM-e (3) 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP	\$ 60,000.00	35%	\$ 39,000.00
3HE10469AA	7750 SR-1e AC PSU starter bundle Bundle includes; (2) 3HE09419AA ACC - 7750 SR-a PSU Impedance Panel (2) 3HE09549AA PSU - 7750 SR-e AC PSU (1) 3HE10295AA ACC - 7750 SR-e CCM Impedance Panel (1) 3HE10296AA ACC - 7750 SR-e CPM Impedance Panel (1) 3HE10301AA CHAS - 7750 SR-1e Chassis Spare (1) 3HE10304AA FAN - 7750 SR-1e Fan Tray (1) 3HE10309AA CCM - 7750 SR-e CCM-e (1) 3HE10310AA CPM - 7750 SR-e CPM-e (3) 3HE10312AA ACC - Impedance PNL MDA-e MDA-e-XP	\$ 60,000.00	35%	\$ 39,000.00
3HE10470AA	7750 SR-2e Chassis DC PSU starter bundle. Bundle Includes: (6) 3HE09419AA ACC - 7750 SR-a PSU Impedance Panel (2) 3HE09548AA PSU - 7750 SR-e -48V DC PSU (1) 3HE10295AA ACC - 7750 SR-e CCM Impedance Panel (1) 3HE10296AA ACC - 7750 SR-e CPM Impedance Panel (1) 3HE10297AA ACC - 7750 SR-e IOM Impedance Panel (1) 3HE10302AA CHAS - 7750 SR-2e Chassis Spare (1) 3HE10305AA FAN - 7750 SR-2e Fan Tray (1) 3HE10309AA CCM - 7750 SR-e CCM-e (1) 3HE10310AA CPM - 7750 SR-e CPM-e (7) 3HE10312AA ACC - Impedance PNL MDA-e MDA-e-XP	\$ 70,000.00	35%	\$ 45,500.00
3HE10471AA	7750 SR-2e AC PSU starter bundle Bundle includes; (6) 3HE09419AA ACC - 7750 SR-a PSU Impedance Panel (2) 3HE09549AA PSU - 7750 SR-e AC PSU (1) 3HE10295AA ACC - 7750 SR-e CCM Impedance Panel (1) 3HE10296AA ACC - 7750 SR-e CPM Impedance Panel (1) 3HE10297AA ACC - 7750 SR-e IOM Impedance Panel (1) 3HE10302AA CHAS - 7750 SR-2e Chassis Spare (1) 3HE10305AA FAN - 7750 SR-2e Fan Tray (1) 3HE10309AA CCM - 7750 SR-e CCM-e (1) 3HE10310AA CPM - 7750 SR-e CPM-e (7) 3HE10312AA ACC - Impedance PNL MDA-e MDA-e-XP	\$ 70,000.00	35%	\$ 45,500.00

3HE10472AA	7750 SR-3e Chassis DC PSU starter bundle.  Bundle Includes: (5) 3HE09419AA ACC - 7750 SR-a PSU Impedance Panel (3) 3HE09548AA PSU - 7750 SR-e -48V DC PSU (1) 3HE10295AA ACC - 7750 SR-e CCM Impedance Panel (1) 3HE10296AA ACC - 7750 SR-e CPM Impedance Panel (2) 3HE10297AA ACC - 7750 SR-e IOM Impedance Panel (1) 3HE10303AA CHAS - 7750 SR-3e Chassis Spare (1) 3HE10306AA FAN - 7750 SR-3e Fan Tray (1) 3HE10309AA CCM - 7750 SR-e CCM-e (1) 3HE10310AA CPM - 7750 SR-e CPM-e (11) 3HE10312AA ACC - Impedance PNL MDA-e MDA-e-XP	\$ 80,000.00	35%	\$ 52,000.00
3HE10473AA	7750 SR-3e AC PSU starter bundle  Bundle includes; (5) 3HE09419AA ACC - 7750 SR-a PSU Impedance Panel (3) 3HE09549AA PSU - 7750 SR-e AC PSU (1) 3HE10295AA ACC - 7750 SR-e CCM Impedance Panel (1) 3HE10296AA ACC - 7750 SR-e CPM Impedance Panel (2) 3HE10297AA ACC - 7750 SR-e IOM Impedance Panel (1) 3HE10303AA CHAS - 7750 SR-3e Chassis Spare (1) 3HE10306AA FAN - 7750 SR-3e Fan Tray (1) 3HE10309AA CCM - 7750 SR-e CCM-e (1) 3HE10310AA CPM - 7750 SR-e CPM-e (11) 3HE10312AA ACC - Impedance PNL MDA-e MDA-e-XP	\$ 80,000.00	35%	\$ 52,000.00
3HE10474AA	ACC 7950 XRS-20 80A BREAKERS (x24)	\$ 2,078.00	35%	\$ 1,350.70
3HE10475AA	ACC 7750 SR-12e 80A breakers (x16)	\$ 950.00	35%	\$ 617.50
3HE10476AA	7750 SR12e Chassis Bundle includes: (1) 3HE07165AA - CH-BN - 7750 SR12e Integrated Chassis (1) 3HE08421AA - SFM - 7750 SR SFM5-12e (1) 3HE08423AA - CPM - 7750 SR CPM5 (2) 3HE08422AA - SFM - 7750 SR mini-SFM5-12e (3) 3HE09423AA - APEQ-AC-3000 Power Equalizer Module (1) 3HE10114AA - ACC 7750 SR-12e AC bezel (1) 3HE10475AA - ACC 7750 SR-12e 80A Breakers x16	\$ 275,000.00	35%	\$ 178,750.00
3HE10477AA	7750 SR12e Chassis Bundle includes: (1) 3HE07165AA - CH-BN - 7750 SR12e Integrated Chassis (1) 3HE08421AA - SFM - 7750 SR SFM5-12e (1) 3HE08423AA - CPM - 7750 SR CPM5 (2) 3HE08422AA - SFM - 7750 SR mini-SFM5-12e (3) 3HE09422AA - APEQ-DC-2200-2800 Power Equalizer Module (1) 3HE10475AA - ACC 7750 SR-12e 80A Breakers x16	\$ 275,000.00	35%	\$ 178,750.00
3HE10481AA	7950 XRS-20 Stand-Alone Complete Chassis 60A/80A DC Bundle, shipped with all common hardware. Includes: (1) 3HE07112AA - CH-BN - 7950 XRS-20 Integrated Chassis (5) 3HE09422AA - APEQ-DC-2200-2800 Power Equalizer Module , (8) 3HE08505AA - SFM - 7950 XRS-20 SFM-X20S-B, (2) 3HE07116AA - CPM - 7950 XRS-20 CPM, (1) 3HE10474AA - ACC - 7950 XRS-20 80A BREAKERS (x24)  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot.	\$ 550,000.00	35%	\$ 357,500.00
3HE10492AB	SYS - 7210 SAS-Sx 46F 2C 4SFP+ system includes; (1) Fixed Fans, (2) Hot swappable power supply slots, (2) Replaceable Air Filters, Accepts(46) 100/1000 SFP + 2 Combo + (4) SFP+. Supports stacking. Does not include power supplies. Does not include 7210 SAS Operating Software or usage licenses.	\$ 9,100.00	35%	\$ 5,915.00
3HE10493AB	SYS - 7210 SAS-Sx 22F 2C 4SFP+ system includes; (1) Fixed Fans, (2) Hot swappable power supply slots, (2) Replaceable Air Filters, Accepts (22) 100/1000 SFP + 2 Combo + (4) SFP+. Supports stacking. Does not include power supplies. Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,500.00	35%	\$ 5,525.00
3HE10494AB	SYS - 7210 SAS-Sx 48T 4SFP+ system includes; (1) Fixed Fans, (2) Hot swappable power supply slots, (2) Replaceable Air Filters, (48) 10/100/1000 TX (4) SFP+) Non-PoE. Supports stacking. Does not include power supplies. Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,350.00	35%	\$ 5,427.50
3HE10495AB	SYS - 7210 SAS-Sx 24T 4SFP+ system includes; (1) Fixed Fans, (2) Hot swappable power supply slots, (2) Replaceable Air Filters, (24) 10/100/1000 TX (4) SFP+) Non-PoE. Supports stacking. Does not include power supplies. Does not include 7210 SAS Operating Software or usage licenses.	\$ 7,500.00	35%	\$ 4,875.00
3HE10496AB	SYS - 7210 SAS-Sx 48Tp 4SFP+ system includes; (1) Fixed Fans, (2) Hot swappable power supply slots, (2) Replaceable Air Filters, (48) 10/100/1000 TX (4) SFP+) 720W PoE capability. Supports stacking. Does not include power supplies. Does not include 7210 SAS Operating Software or usage licenses.	\$ 9,575.00	35%	\$ 6,223.75
3HE10497AB	'SYS - 7210 SAS-Sx 24Tp 4SFP+ system includes; (1) Fixed Fans, (2) Hot swappable power supply slots, (2) Replaceable Air Filters, (24) 10/100/1000 TX (4) SFP+) 720W PoE Capability. Supports stacking. Does not include power supplies. Does not include 7210 SAS Operating Software or usage licenses.	\$ 8,650.00	35%	\$ 5,622.50
3HE10498AA	PS - 7210 SAS-Sx Power Supply (fits fiber 1/10G Sx units only) AC 400W	\$ 750.00	35%	\$ 487.50
3HE10499AA	PS - 7210 SAS-Sx Power Supply (fits fiber 1/10G Sx units only) DC -48V 400W	\$ 1,430.00	35%	\$ 929.50
3HE10500AA	PS - 7210 SAS-Sx Power Supply (Fits Copper 1/10G Sx units only) AC	\$ 640.00	35%	\$ 416.00
3HE10501AA	PS - 7210 SAS-Sx Power Supply (Fits Copper1/10G Sx units only) DC -48V	\$ 700.00	35%	\$ 455.00
3HE10502AA	PS - 7210 SAS-Sx Power Supply PoE (Fits Copper PoE 1/10G Sx units only) AC 920W	\$ 1,200.00	35%	\$ 780.00
3HE10503AA	ACC - 7210 SAS-Sx Fan Tray Filter (10)	\$ 1,500.00	35%	\$ 975.00



3HE10515AA	<p>BNDL - 7210 SAS-R12  (1) 3HE09427AA CHAS - 7210 SAS-R12 CHASSIS SPARE  (1) 3HE09430AA SF/CPM - 7210 SAS-R12  (1) 3HE10441AA ACC - 7210 SAS-R12 SF/CPM Impedance Panel  (1) 3HE09428AA FAN - 7210 SAS-R12 Fan Tray  (2) 3HE09429AA PEM - 7210 SAS-R12 -48V  (1) 3HE08159AA ACC - 7210 SAS-R IMM Impedance Panel</p>	\$ 38,600.00	35%	\$ 25,090.00
3HE10530AB	<p>SYS - 7210 SAS-S 48F4SFP+ system includes;  (1) Fixed Fans,  (1) Fixed AC Power supply,  (1) Hot swappable power supply slot,  No Air Filters,  Accepts (48) 100/1000 SFP  (4) SFP+.</p> <p>Does not include 7210 SAS Operating Software or usage licenses.</p>	\$ 6,325.00	35%	\$ 4,111.25
3HE10531AB	<p>SYS - 7210 SAS-S 48F4SFP+ system includes;  (1) Fixed Fans,  (1) Fixed DC -48V Power supply,  (1) Hot swappable power supply slot,  No Air Filters,  Accepts (48) 100/1000 SFP  (4) SFP+.</p> <p>Does not include 7210 SAS Operating Software or usage licenses.</p>	\$ 6,450.00	35%	\$ 4,192.50
3HE10532AB	<p>SYS - 7210 SAS-S 24F4SFP+ system includes;  (1) Fixed Fans,  (1) Fixed AC Power supply,  (1) Hot swappable power supply slot,  No Air Filters,  Accepts (24) 100/1000 SFP  (4) SFP+.</p> <p>Does not include 7210 SAS Operating Software or usage licenses.</p>	\$ 5,000.00	35%	\$ 3,250.00
3HE10533AB	<p>SYS - 7210 SAS-S 24F4SFP+ system includes;  (1) Fixed Fans,  (1) Fixed DC -48V Power supply,  (1) Hot swappable power supply slot,  No Air Filters,  Accepts (24) 100/1000 SFP  (4) SFP+.</p> <p>Does not include 7210 SAS Operating Software or usage licenses.</p>	\$ 5,200.00	35%	\$ 3,380.00
3HE10534AB	<p>SYS - 7210 SAS-S 48T4SFP+ system includes;  (1) Fixed Fans,  (1) Fixed AC Power supply,  (1) Hot swappable power supply slot,  No Air Filters,  Accepts (48) 10/100/1000 TX  (4) SFP+.</p> <p>Does not include 7210 SAS Operating Software or usage licenses.</p>	\$ 6,325.00	35%	\$ 4,111.25
3HE10535AB	<p>SYS - 7210 SAS-S 48T4SFP+ system includes;  (1) Fixed Fans,  (1) Fixed DC -48V Power supply,  (1) Hot swappable power supply slot,  No Air Filters,  Accepts (48) 10/100/1000 TX  (4) SFP+.</p> <p>Does not include 7210 SAS Operating Software or usage licenses.</p>	\$ 6,450.00	35%	\$ 4,192.50
3HE10536AB	<p>SYS - 7210 SAS-S 24T4SFP+ system includes;  (1) Fixed Fans,  (1) Fixed AC Power supply,  (1) Hot swappable power supply slot,  No Air Filters,  Accepts (24) 10/100/1000 TX  (4) SFP+.</p> <p>Does not include 7210 SAS Operating Software or usage licenses.</p>	\$ 4,825.00	35%	\$ 3,136.25
3HE10537AB	<p>SYS - 7210 SAS-S 24T4SFP+ system includes;  (1) Fixed Fans,  (1) Fixed DC -48V Power supply,  (1) Hot swappable power supply slot,  No Air Filters,  Accepts (24) 10/100/1000 TX  (4) SFP+.</p> <p>Does not include 7210 SAS Operating Software or usage licenses.</p>	\$ 5,000.00	35%	\$ 3,250.00

3HE10538AB	SYS - 7210 SAS-S 48Tp4SFP+ PoE AC system includes; (1) Fixed Fans, (1) Fixed AC Power supply, (1) Hot swappable power supply slot, No Air Filters, Accepts (48) 10/100/1000 TX (4) SFP+.  Requires a C15 compliant Power cable	\$ 8,400.00	35%	\$ 5,460.00
3HE10540AB	SYS - 7210 SAS-S 24Tp4SFP+ PoE AC system includes; (1) Fixed Fans, (1) Fixed AC Power supply, (1) Hot swappable power supply slot, No Air Filters, Accepts (24) 10/100/1000 TX (4) SFP+.  Requires a C15 compliant Power cable	\$ 7,000.00	35%	\$ 4,550.00
3HE10542AA	PS - 7210 SAS-S Power Supply AC (Fits Fiber & Copper 1/10G NON-PoE "S" units)	\$ 455.00	35%	\$ 295.75
3HE10543AA	PS - 7210 SAS-S Power Supply DC -48V (Fits Fiber & Copper 1/10G NON-PoE "S" units)	\$ 1,100.00	35%	\$ 715.00
3HE10544AA	PS - 7210 SAS-S Power Supply AC 1050W (Fits Copper PoE "S" units). Requires a C16 compliant Power cable	\$ 1,100.00	35%	\$ 715.00
3HE10550AA	1-port 100GBase LR4 QSFP28 Optics Module, 10km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM), 0/70C	\$ 40,000.00	35%	\$ 26,000.00
3HE10551AA	1-port 100GBase SR4 QSFP28 Optics Module, 100m, MMF, MPO Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM), 0/70C	\$ 6,500.00	35%	\$ 4,225.00
3HE10552AA	1-port 100GBase CWDMA4 QSFP28 Optics Module, 2km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM), 0/70C	\$ 28,000.00	35%	\$ 18,200.00
3HE10556AA	Integrated Services Module - Mobile Gateway (ISM-MG-C).	\$ 400,000.00	35%	\$ 260,000.00
3HE1057AA	Integrated Services Module - Mobile Gateway (ISM-MG-C-E). (no encryption)	\$ 400,000.00	35%	\$ 260,000.00
3HE10581AA	IMM - 7210 SAS-R-c 100GE QSFP28	\$ 9,999.00	35%	\$ 6,499.35
3HE10640AA	SROS GMPLS-UNI Right To Use License. A per system license. Allows the use of the GMPLS-UNI functionality.	\$ 25,000.00	35%	\$ 16,250.00
3HE10641AA	SROS Advanced Data Center Gateway (DC GW) and Service Chaining Right To Use License. A per system license. Allows the use of advanced DC GW and service chaining and steering functions, subject to platform feature limitations and support, such as: Fully Dynamic VSD Integration for Nuage driven service creation, use of a BGP EVPN control plane for L2/L3 service chaining and steering, Ethernet Segment Identifier (ESI) traffic steering using filter policies (including L3 ESM subscriber downstream traffic steering) and other related functions.	\$ 40,000.00	35%	\$ 26,000.00
3HE10642AA	7750 SR 20 port SFP, 40port cSFP GE MDA-e, Accepts twenty (20) cSFP/SFP 1000Base Optics Modules.	\$ 60,000.00	35%	\$ 39,000.00
3HE10671WA	7750 SR-1e/2e/3e Release 16.0 Operating Software License. Notes: One (1) Operating Software License is required for each SR-7/12/12e in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.	\$ 7,500.00	35%	\$ 4,875.00
3HE10717AA	7750 SR IOM4-e-B Baseboard. Accepts up to 2 MDA-e  Full Service Routing Functionality, Full Queuing, hierarchical policing, IPv4/IPv6 routing services. Available upgrades/licenses: VPRN	\$ 422,500.00	35%	\$ 274,625.00
3HE10717BA	7750 SR IOM4-e-B Baseboard. Accepts up to 2 MDA-e  Includes "Layer-3 basic Queuing" IMM Software License/functionality for full IPv4/IPv6 routing services. Limited to 8 ingress and 8 egress queues per port. Does not include Hierarchical Policers. Available upgrades/licenses: VPRN, upgrade to L3HQ	\$ 125,000.00	35%	\$ 81,250.00
3HE10717CA	7750 SR IOM4-e-B Baseboard. Accepts up to 2 MDA-e  Includes "Layer-2 High Queuing" IMM Software License/functionality for full ESS functionality which includes the use of full queuing and policing with layer-2 services.  Excludes use of multicast routing protocol or services, IPv6 routing services, VPRN services (including IPv4 and IPv6 VPNs), network interfaces when installed in a chassis running the above mentioned restricted services. Available upgrades/licenses: upgrade to L3HQ	\$ 250,000.00	35%	\$ 162,500.00
3HE10757EA	OS - 7210 SAS-D Release 20.X (or upgrade to rel 20.X).	\$ 225.00	35%	\$ 146.25
3HE10759EA	OS - 7210 SAS-M Release 20.X (or upgrade to rel 20.X).	\$ 700.00	35%	\$ 455.00
3HE10766AA	7750 SR-7-B Chassis Spare. Includes; 7750 SR-7-B Chassis & Fan Filter.  (5) impedance panels are included within the 3HE10766AA - CHAS - 7750 SR-7-B CHASSIS SPARE RoHS6/6	\$ 35,000.00	35%	\$ 22,750.00
3HE10768AA	7750 SR-12-B Chassis Spare. Includes; 7750 SR-12-B Chassis & Fan Filter.  (10) impedance panels and cable management tray included	\$ 45,000.00	35%	\$ 29,250.00
3HE10833AB	Nuage 7850 Network Services Gateway-X (NSG-X). AC powered with 2-ports 10GigE SFP+, 4-ports 1000BASE-T, 4-ports GigE SFP, 2 ports USB, 1 port RJ-45 serial. Pre-loaded with 5.2.1-8 software. Included in bundle is Qty=2 3HE10834AA AC power supplies for 1+1 AC power redundancy. Two C13 power cords must be purchased separately, one for each of the two power supplies. Includes hardware for mounting in EIA/ECA-310 racks. Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 11,995.00	35%	\$ 7,796.75
3HE10834AA	PS - Nuage 7850 NSG-X 300W AC Power Supply. NSG-X ships with redundant power supplies and this is an additional spare power supply.	\$ 425.00	35%	\$ 276.25
3HE10836AA	PS - 7210 SAS-Sx 64SFP+4CFP4/4QSFP28 NETR AC Fits both CFP4 and QSFP28 models	\$ 800.00	35%	\$ 520.00
3HE10837AA	PS - 210 WBX, 7210 Sx 100G -48VDC (FtoB) supports also: 3HE15622AA SYS - 7220 IXR-D2 48SFP28 8QSFP28 3HE15623AA SYS - 7220 IXR-D3 32QSFP28 2SFP+	\$ 1,800.00	35%	\$ 1,170.00

3HE10852AA	<p>7750 SR-7-B Chassis bundle includes the following:</p> <p>(1) 3HE03661AA - PEM - 7750 SR-7 100A DC PEM-3 SLOT 2  (1) 3HE03662AA - PEM - 7750 SR-7 100A DC PEM-3 SLOT 1  (2) 3HE04498AA - PWR FLT - 7750 SR-7 100 AMP PWR FILTER  (1) 3HE05180AA - FAN - 7750 SR-7 Enhanced Fan Tray  (1) 3HE10766AA - CHAS - 7750 SR-7-B CHASSIS SPARE RoHS6/6</p> <p>Note: (1) 3HE04148AA - 7750 SR Impedance Panels (5 pkg) are part of the 3HE10766AA - CHAS - 7750 SR-7-B CHASSIS SPARE RoHS6/6</p>	\$ 40,800.00	35%	\$ 26,520.00
3HE10854AA	<p>7750 SR-12-B Chassis bundle includes the following:</p> <p>(2) 3HE03663AA - PEM - 7750 SR-12 175A DC PEM-3  (3) 3HE05106AA - FAN - 7750 SR-12 ENHANCED FAN TRAY  (1) 3HE10768AA - CHAS - 7750 SR-12-B CHASSIS SPARE RoHS6/6</p> <p>Note: (10) impedance panels and cable management tray included with the 3HE10768AA - CHAS - 7750 SR-12-B CHASSIS SPARE RoHS6/6</p>	\$ 60,000.00	35%	\$ 39,000.00
3HE10866EA	<p>OS - 7210 SAS-Sx and 7210 SAS-S, 1GE/10GE variant, Release 20.X Base OS License / Native and MPLS Ethernet L2 VPNs License, Standalone Mode.</p> <p>This is a per chassis license, valid for release 20.X. It provides the Base OS and includes support for native and MPLS-based Ethernet services (e.g. Layer-2 VPLS and Epipe services) for operating the chassis in standalone mode. It also includes support for syncE and PTP.</p> <p>It excludes the use IP services (e.g. VPRNs and IES services).</p> <p>In a stacked/VC configuration, it must be purchased for every node in the stack/VC.</p> <p>It must also be purchased for upgrade to release 20.X. It will shipped on a SD Card.</p>	\$ 1,000.00	35%	\$ 650.00
3HE10867AA	<p>RTU - 7210 SAS-Sx and 7210 SAS-S IP services License, 1GE variant, Standalone Mode.</p> <p>This is a per chassis license. It is a one-time license to enable IP services on the node. It enables support of IP services (e.g. VPRN, IES and L3 VPNs using BGP 3107).</p> <p>In a stacked/VC configuration this license must be purchased for every node in the stack/VC.</p>	\$ 600.00	35%	\$ 390.00
3HE10869EA	<p>OS - 7210 SAS-Sx and 7210 SAS-S, 1GE/10GE variant, Release 20.X Base OS License, Satellite Mode.</p> <p>This is a per chassis license for release 20.X. It allows for operating the chassis in satellite mode.</p> <p>It excludes the use standalone mode of operation and use of stacking/VC configuration.</p> <p>It must also be purchased for upgrade to release 20.X.  It will be shipped on a SD card.</p>	\$ 500.00	35%	\$ 325.00
3HE10871DA	<p>Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Right-To-Use 100Mbps  Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path  Requires the purchase of NSG VPN License</p>	\$ 275.00	35%	\$ 178.75
3HE10872DA	<p>Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Right-To-Use 200Mbps  Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path  Requires the purchase of NSG VPN License</p>	\$ 415.00	35%	\$ 269.75
3HE10873DA	<p>Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Right-To-Use 500Mbps  Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path  Requires the purchase of NSG VPN License</p>	\$ 690.00	35%	\$ 448.50
3HE10874DA	<p>Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec RTU License 10Gbps  Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path  Requires the purchase of NSG VPN License</p>	\$ 4,950.00	35%	\$ 3,217.50
3HE10875DA	<p>Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec RTU License 1Gbps  Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path  Requires the purchase of NSG VPN License</p>	\$ 1,375.00	35%	\$ 893.75
3HE10876DA	<p>Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec RTU License 2Gbps  Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path  Requires the purchase of NSG VPN License</p>	\$ 4,125.00	35%	\$ 2,681.25
3HE10877AA	<p>SROS UPnP IGD License - A per system license for UPnP IGD function on BB-JSA</p>	\$ 25,000.00	35%	\$ 16,250.00
3HE10934FA	<p>ASL R16.0 VSR Distributed Base - Application Software License (ASL) required to create a single distributed VSR instance.  One (1) of these ASLs is required for each instance of VSR distributed system and supports a single control plane VM. Additional ASLs will be required to add control plane redundancy, bandwidth capacity, services and value added services such as AA, SEGW, BNG, WLGW &amp; NAT.</p>	\$ 50,000.00	35%	\$ 32,500.00
3HE10935FA	<p>ASL R16.0 VSR Dist Redundant Control Plane - Application Software License (ASL) required to enable a redundant control plane VM.  One (1) of these ASL is required to instantiate a redundant control plane VM per VSR system.</p>	\$ 20,000.00	35%	\$ 13,000.00
3HE10936FA	<p>ASL R16.0 VSR Distributed Base &lt; 60Gbps - Application Software License (ASL) required to create a single distributed VSR instance under 60Gbps. Not required if using ASL R15.0 VSR Distributed Base.  One (1) of these ASLs is required for each instance of a &lt;60Gbps VSR distributed system and supports a single control plane VM. Additional ASLs will be required to add control plane redundancy, bandwidth capacity, services and value added services such as AA, SEGW, BNG, WLGW &amp; NAT.</p>	\$ 25,000.00	35%	\$ 16,250.00
3HE10937AA	<p>Kit contains two spare adapter brackets and fastener hardware to secure the 7750 SR-a4 chassis to an ETSI rack.</p>	\$ 170.00	35%	\$ 110.50
3HE10958AA	<p>SROS IEEE1588 Precision Time Protocol Right To Use License. A per system license. Allows the use of IEEE1588 PTP support including Ordinary Clock-Master, Ordinary Clock-Slave, Boundary clock and 1588 Port Based Timestamping</p>	\$ 25,000.00	35%	\$ 16,250.00
3HE10959AA	<p>7210 SAS-K 2F4T6C Ethernet system includes: (1) 7210 SAS + AC Power Adapter (No AC power cable included), (4) 10/100/1000 TX + Accepts(2) 1000 SFP + 6 Combo, Does not include 7210 SAS Operating Software</p>	\$ 3,350.00	35%	\$ 2,177.50
3HE10960AA	<p>7210 SAS-K 2F4T6C Ethernet system Extended Temperature Range includes: (4) 10/100/1000 TX + Accepts (2) 1000 SFP + 6 Combo, Does not include power supplies, does not include 7210 SAS Operating Software</p>	\$ 3,500.00	35%	\$ 2,275.00
3HE10962AA	<p>PS - 7210 SAS-K 2F4T6C Non-ETR AC, includes AC power supply.  Suits 12 port device only.</p>	\$ 260.00	35%	\$ 169.00
3HE10963AA	<p>PS - 7210 SAS-K 2F4T6C Non-ETR -48V DC  Suits 12 port device only</p>	\$ 485.00	35%	\$ 315.25

3HE10964AA	PS - 7210 SAS-K 2F4T6C ETR AC Suits 12 port device ETR and 7210 SAS-Dxp ETR	\$ 600.00	35%	\$ 390.00
3HE10965AA	PS - 7210 SAS-K 2F4T6C ETR -48V DC Suits 12 port device ETR and 7210 SAS-Dxp ETR	\$ 525.00	35%	\$ 341.25
3HE10966AA	PS - 7210 SAS-K 2F4T6C ETR +24V DC Suits 12 port device ETR only	\$ 525.00	35%	\$ 341.25
3HE11031AA	7750 SR 2-ports 40/100GBASE MDA-e. Accepts two (2) QSFP+/QSFP28 100GBase Optic Module.	\$ 240,000.00	35%	\$ 156,000.00
3HE11035AA	GNSS antenna for global GNSS timing reference featuring 26 dB low noise, high gain amplifier with a nominal impedance of 50 Ohms and uses a N-Type Female Connector and supports a Temp Range of -40C to +85C. Includes mounting collar.	\$ 1,600.00	35%	\$ 1,040.00
3HE11035AB	GNSS antenna for global GNSS timing reference featuring 40 dB low noise, high gain amplifier with a Nominal impedance of 50 Ohms and uses a N-Type Female Connector and supports a Temp Range of -40C to +85C. Includes mounting collar	\$ 1,600.00	35%	\$ 1,040.00
3HE11036AA	GPS timing reference antenna featuring 26 dB amplifier and narrow band high rejection filtering. Antenna has a Nominal impedance of 50 Ohms and uses a N-Type Female Connector and supports a Temp Range of -40C to +85C Includes mounting collar	\$ 1,300.00	35%	\$ 845.00
3HE11036AB	GPS timing reference antenna featuring 40 dB amplifier and narrow band high rejection filtering. Antenna has a Nominal impedance of 50 Ohms and uses a N-Type Female Connector and supports a Temp Range of -40C to +85C. Includes mounting collar	\$ 1,300.00	35%	\$ 845.00
3HE11085AA	7950 XRS-20e Universal chassis supporting any of LVDC, AC or HVDC. Chassis only.	\$ 350,000.00	35%	\$ 227,500.00
3HE11086AA	7950 XRS-20e chassis supporting only AC/HVDC. Chassis only	\$ 260,000.00	35%	\$ 169,000.00
3HE11087AA	7950 XRS-20e XCM (XMA Control Module). Provides 800G of Slot Switching Capacity. Accepts (2) XMAs and/or C-XMAs. *1	\$ 50,000.00	35%	\$ 32,500.00
3HE11088AA	7950 XRS-20e Fan Tray - (Spare)	\$ 30,000.00	35%	\$ 19,500.00
3HE11089AA	7950 XRS-20e XCM Impedance Panel. Must be installed in each and every empty XCM slot.	\$ 3,890.00	35%	\$ 2,528.50
3HE11090AA	ACC-7950 XRS-20e Air filter Kit includes all filters for a single XRS-20e (1) APEQ intake filter, (1) main fan intake filter, (1) XCM intake filter, (1) CCM intake filter	\$ 2,200.00	35%	\$ 1,430.00
3HE11091AA	ACC-7950 XRS-20e FRONT PROTECTION PANEL	\$ 5,100.00	35%	\$ 3,315.00
3HE11092AA	ACC-7950 XRS-20e REAR PROTECTION PANEL	\$ 9,000.00	35%	\$ 5,850.00
3HE11093AA	7950 XRS-20e Dual Power Connect Module (PCM). To be used in conjunction with a 2KW or 2.2/2.8KW APEQ. APEQs not included with this part.	\$ 3,100.00	35%	\$ 2,015.00
3HE11094AA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance to 2.4T FD and 24 connectors Universal QSFP28 in the XRS-20e, performance restricted to 1.6T and 16 connectors universal QSFP28 in the XRS-20. Core Router (CR) scale feature set (2048 = h/w queues, 2048 = egress policers)  Software scale upgradeable to ER or HE feature set.	\$ 800,000.00	35%	\$ 520,000.00
3HE11094BA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance to 2.4T FD and 24 connectors Universal QSFP28 in the XRS-20e, performance restricted to 1.6T and 16 connectors universal QSFP28 in the XRS-20. Edge Router (ER) scale feature set (32768 = h/w queues, 32768 = egress policers)  Software scale upgradeable to HE feature set.	\$ 960,000.00	35%	\$ 624,000.00
3HE11094CA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance to 2.4T FD and 24 connectors Universal QSFP28 in the XRS-20e, performance restricted to 1.6T and 16 connectors universal QSFP28 in the XRS-20. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set.	\$ 1,120,000.00	35%	\$ 728,000.00
3HE11097AA	7950 XRS-20e power input module (PIM). Accepts (1) Dual PCM or (1) quad PCM. PCM not included with the PIM.	\$ 6,100.00	35%	\$ 3,965.00
3HE11099AA	APEQ-DC-4275 Low Voltage DC Advanced Power Equalizer Module. A Quad PCM must be ordered in conjunction with each APEQ.	\$ 9,500.00	35%	\$ 6,175.00
3HE11115FA	ASL R16.0 VSR Redundant Ctrl Plane <60Gbps - Application Software License (ASL) required to enable a redundant control plane VM in a distributed system under 60 Gbps. Not required if using ASL R15.0 VSR Dist Redundant Control Plane. One (1) of these ASL is required to instantiate a redundant control plane VM per VSR system.	\$ 10,000.00	35%	\$ 6,500.00
3HE11116FA	ASL R16.0 VSR Integrate System Base - Application Software License (ASL) required to create a single integrated system VSR instance. One (1) of these ASLs is required for each instance of VSR integrated system and supports a single VM with both control plane and data plane. Additional ASLs will be required to add bandwidth capacity, services and value added services such as AA, SEGW, BNG, WLGW & NAT.	\$ 15,000.00	35%	\$ 9,750.00
3HE11116GA	ASL R19 VSR Integrate System Base - Application Software License required to create a single integrated system VSR instance. One of these ASLs is required for each instance of VSR integrated system and supports a single VM with both control plane and data plane. Additional ASLs will be required to add bandwidth capacity, services and value added services such as AA, SEGW, BNG, WLGW & NAT.	\$ 15,000.00	35%	\$ 9,750.00
3HE11116HA	ASL R20 VSR Integrate System Base - Application Software License required to create a single integrated system VSR instance. One of these ASLs is required for each instance of VSR integrated system and supports a single VM with both control plane and data plane. Additional ASLs will be required to add bandwidth capacity, services and value added services such as AA, SEGW, BNG, WLGW & NAT.	\$ 15,000.00	35%	\$ 9,750.00
3HE11117AA	ASL VSR 10Gbps BW w Standard QoS - Application Software License (ASL) is required to enable up to 10Gbps (Half Duplex / ingress traffic, for IMIX traffic distribution) of incremental VSR throughput. One (1) of these ASLs is required for every increment of 10Gbps of vNIC bandwidth throughput on a VSR system supporting standard QoS functionality. Standard QoS functionality is restricted to queuing and policing, with a maximum of 8 queues or policers per vNIC port. Multiple ASLs may be applied to a single VSR instance to allow the desired bandwidth scale. All bandwidth ASLs applied to a single system must be of the same type (standard or Advanced).	\$ 31,500.00	35%	\$ 20,475.00
3HE11118AA	ASL VSR 10Gbps BW w Advanced QoS - Application Software License (ASL) is required to enable up to 10Gbps (Half Duplex / ingress traffic, for IMIX traffic distribution) of VSR incremental throughput. One (1) of these ASLs is required for every increment of 10Gbps of vNIC bandwidth throughput on a VSR system supporting Advanced QoS functionality. Advanced QoS functionality enables queuing, shaping and policing per SAP or subscriber. Multiple ASLs may be applied to a single VSR instance to allow the desired bandwidth scale. All bandwidth ASLs applied to a single system must be of the same type (Standard or Advanced).	\$ 47,500.00	35%	\$ 30,875.00
3HE11119AA	ASL VSR 1Gbps BW Standard QoS - Application Software License (ASL) is required to enable up to 1 Gbps (Half Duplex / ingress traffic, for IMIX traffic distribution) of incremental VSR throughput. One (1) of these ASLs is required for every increment of 1 Gbps of vNIC bandwidth throughput on a VSR system supporting standard QoS functionality. Standard QoS functionality is restricted to queuing and policing, with a maximum of 8 queues or policers per vNIC port. Multiple ASLs may be applied to a single VSR instance to allow the desired bandwidth scale. All bandwidth ASLs applied to a single system must be of the same type (standard or Advanced).	\$ 4,500.00	35%	\$ 2,925.00

3HE11120AA	ASL VSR 1Gbps BW w Advanced QoS - Application Software License (ASL) is required to enable up to 1 Gbps (Half Duplex / ingress traffic, for IMIX traffic distribution) of VSR incremental throughput. One (1) of these ASLs is required for every increment of 1 Gbps of vNIC bandwidth throughput on a VSR system supporting Advanced QoS functionality. Advanced QoS functionality enables queuing, shaping and policing per SAP or subscriber. Multiple ASLs may be applied to a single VSR instance to allow the desired bandwidth scale. All bandwidth ASLs applied to a single system must be of the same type (Standard or Advanced).	\$ 6,800.00	35%	\$ 4,420.00
3HE11121AA	ASL VSR VPN Service 500 instances - Application Software License (ASL) is required to enable support for VPN service within a VSR instance. One (1) of these ASLs allows for up to 500 VPN instances, including VPRN, VPPLS and VLL services. Multiple ASLs may be applied to a single VSR instance to allow the desired service scale.	\$ 11,500.00	35%	\$ 7,475.00
3HE11122AA	ASL VSR VPN Service 100 instances - Application Software License (ASL) is required to enable support for VPN service within a VSR instance. One (1) of these ASLs allows for up to 100 VPN instances, including VPRN, VPPLS and VLL services. Multiple ASLs may be applied to a single VSR instance to allow the desired service scale.	\$ 3,000.00	35%	\$ 1,950.00
3HE11123AA	ASL VSR VPN Service 25 instances - Application Software License (ASL) is required to enable support for VPN service within a VSR instance. One (1) of these ASLs allows for up to 25 VPN instances, including VPRN, VPPLS and VLL services. Multiple ASLs may be applied to a single VSR instance to allow the desired service scale.	\$ 1,200.00	35%	\$ 780.00
3HE11124AA	ASL VSR IP-Tunnel 1k Tunnels - Application Software License is required to enable IP tunnel scale in increments of 1,000 - One (1) license is required for 1,000 IP tunnels per VSR. Multiple ASLs may be applied to a single VSR instance to allow the required tunnel scale.	\$ 1,500.00	35%	\$ 975.00
3HE11125AA	ASL VSR IP-Tunnel 100 Tunnels - Application Software License is required to enable IP tunnel scale in increments of 100 - One (1) license is required for 100 IP tunnels per VSR. Multiple ASLs may be applied to a single VSR instance to allow the required tunnel scale.	\$ 200.00	35%	\$ 130.00
3HE11126AA	ASL VSR Lawful Intercept (LI) - Application Software License (ASL) is required to enable the lawful intercept feature. One (1) license is required per VSR.	\$ 20,000.00	35%	\$ 13,000.00
3HE11127AA	ASL VSR ADV DC GW and Svc Chain - Application Software License (ASL) is required to enable Advanced Data Center Gateway (DC GW) and Service Chaining, subject to platform feature limitations and support, such as use of a BGP EVPN control plane for L2/L3 service chaining and steering, Ethernet Segment Identifier (ESI) traffic steering using filter policies (including L3 ESM subscriber downstream traffic steering) and other related functions. One (1) license is required per VSR.	\$ 40,000.00	35%	\$ 26,000.00
3HE11128AA	ASL VSR Hybrid OpenFlow Switch - Application Software License (ASL) is required to enable the Hybrid OpenFlow Switch feature, subject to limitations imposed by the particular SR OS release. One (1) license is required per VSR.	\$ 40,000.00	35%	\$ 26,000.00
3HE11129AA	ASL VSR-BNG 10k Hosts - Application Software License is required to enable subscriber management in increments of 10,000 subscriber hosts. One (1) of these ASLs is required for every increment of 10,000 BNG subscriber hosts. Multiple ASLs may be applied to a single VSR instance to allow the required subscriber hosts scale.	\$ 30,000.00	35%	\$ 19,500.00
3HE11130AA	ASL VSR-BNG 4k Hosts - Application Software License is required to enable subscriber management in increments of 10,000 subscriber hosts. One (1) of these ASLs is required for every increment of 4,000 BNG subscriber hosts. Multiple ASLs may be applied to a single VSR instance to allow the required subscriber hosts scale.	\$ 15,000.00	35%	\$ 9,750.00
3HE11131AA	ASL VSR-vRGW 10k Hosts - Application Software License is required to enable virtual residential gateway subscriber management in increments of 10,000 subscriber hosts. One (1) of these ASLs is required for every increment of 10,000 vRGW subscriber hosts. Multiple ASLs may be applied to a single VSR instance to allow the required subscriber hosts scale.	\$ 30,000.00	35%	\$ 19,500.00
3HE11132AA	ASL VSR-LNS 1k L2TP Tunnels - Application Software License is required for LNS providing support for up to 1,000 L2TP tunnels. Multiple ASLs may be applied to a single VSR instance to allow the required tunnel scale.	\$ 2,000.00	35%	\$ 1,300.00
3HE11133AA	ASL VSR-LNS 10k Hosts - Application Software License is required to enable subscriber management in increments of 10,000 subscriber hosts. One (1) of these ASLs is required for every increment of 10,000 LNS subscriber hosts. Multiple ASLs may be applied to a single VSR instance to allow the required subscriber hosts scale.	\$ 30,000.00	35%	\$ 19,500.00
3HE11134AA	ASL VSR-LNS 4k Hosts - Application Software License is required to enable subscriber management in increments of 10,000 subscriber hosts. One (1) of these ASLs is required for every increment of 4,000 LNS subscriber hosts. Multiple ASLs may be applied to a single VSR instance to allow the required subscriber hosts scale.	\$ 15,000.00	35%	\$ 9,750.00
3HE11135AA	ASL VSR-WLWGW 10k Hosts - Application Software License is required to enable WLAN GW subscriber hosts in increments of 10,000. One (1) license is required for every increments of 10,000 WIFI subscriber hosts per VSR. Multiple ASLs may be applied to a single VSR instance to allow the required host scale.	\$ 7,500.00	35%	\$ 4,875.00
3HE11136AA	ASL VSR-WLWGW Multiple SSID - Application Software License is required to enable Multiple SSID support within the WLAN GW - One (1) license is required to enable WIFI Multiple SSID Support per VSR.	\$ 20,000.00	35%	\$ 13,000.00
3HE11137AA	ASL-VSR-WLWGW Mobility - Application Software License is required to enable WIFI Inter-AP mobility. One (1) license is required to enable WIFI Inter-AP WIFI Mobility per VSR.	\$ 20,000.00	35%	\$ 13,000.00
3HE11139AA	ASL VSR-WLWGW Geo Redundancy - Application Software License is required to enable geo redundancy between WLAN GWs. One (1) license is required to enable WLAN GW Geo-Redundancy per VSR.	\$ 25,000.00	35%	\$ 16,250.00
3HE11140AA	ASL VSR-AA ID and CTL Res 10k Subs - Application Software License (ASL) required for Application Assurance traffic identification and control for residential subscribers. One (1) of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 40,000.00	35%	\$ 26,000.00
3HE11141AA	ASL VSR-AA IBN Res 10k Subs - Application Software License (ASL) required for Application Assurance IBN rules for in-browser notification (IBN) for residential subscribers. One (1) of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 10,000.00	35%	\$ 6,500.00
3HE11142AA	ASL VSR-AA ICAP Control Res 10k Subs - Application Software License (ASL) required for Application Assurance ICAP session control for residential subscribers. One (1) of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 100,000.00	35%	\$ 65,000.00
3HE11143AA	ASL VSR-AA URL Filter Res 10k Subs - Application Software License (ASL) required for Application Assurance local list URL filtering for residential subscribers. One (1) of these ASLs is required for URL filtering for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 10,000.00	35%	\$ 6,500.00

3HE11144AA	ASL VSR-AA RTP Perf Res 10k Subs - Application Software License (ASL) required for Application Assurance RTP Performance Measurement for residential subscribers, including enable RTP Performance license. One (1) of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 12,500.00	35%	\$ 8,125.00
3HE11145AA	ASL VSR-AA ID and CTL Wifi 10k Subs - Application Software License (ASL) required for Application Assurance traffic identification and control for wifi subscribers. One (1) of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 10,000.00	35%	\$ 6,500.00
3HE11146AA	Application Software License - Application Software License (ASL) required for Application Assurance IBN rules for in-browser notification (IBN) for wifi subscribers. One (1) of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 2,500.00	35%	\$ 1,625.00
3HE11147AA	ASL VSR-AA ICAP Control 10k Subs - Application Software License (ASL) required for Application Assurance ICAP session control for Wifi (DSM) subscribers. One (1) of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 10,000.00	35%	\$ 6,500.00
3HE11148AA	Application Software License - Application Software License (ASL) required for Application Assurance local list URL filtering for wifi subscribers. One (1) of these ASLs is required for URL filtering for every increment of 10,000 subscribers. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 2,500.00	35%	\$ 1,625.00
3HE11149AA	ASL VSR-AA ID and CTL VPN 1 Gbps - Application Software License (ASL) required for Application Assurance traffic identification and control for VPN subscribers. One (1) of these ASLs is required for every increment of 1 Gbps of AA traffic for IMIX traffic distribution. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 8,000.00	35%	\$ 5,200.00
3HE11150AA	ASL VSR-I AA ID and CTL VPN 100 Mbps - Application Software License (ASL) required for Application Assurance traffic identification for VPN subscribers. One (1) of these ASLs is required for every increment of 100 Mbps of AA traffic for IMIX traffic distribution. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 1,000.00	35%	\$ 650.00
3HE11151AA	ASL VSR-AA Stateful FW 1 Gbps - Application Software License (ASL) required for Application Assurance Stateful Firewall. One (1) of these ASLs is required for every increment of 1 Gbps of AA traffic. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 5,000.00	35%	\$ 3,250.00
3HE11152AA	ASL VSR-AA Stateful FW 100 Mbps - Application Software License (ASL) required for Application Assurance Stateful Firewall. One (1) of these ASLs is required for every increment of 100 Mbps of AA traffic. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 650.00	35%	\$ 422.50
3HE11153AA	ASL VSR-AA RTP Perf VPN 1 Gbps - Application Software License (ASL) required for Application Assurance RTP Performance Measurement for VPN subscribers, including enable RTP Performance license. One (1) of these ASLs is required for every increment of 1 Gbps of AA traffic for IMIX traffic distribution. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 5,000.00	35%	\$ 3,250.00
3HE11154AA	ASL VSR-I AA RTP Perf 100 Mbps - Application Software License (ASL) required for Application Assurance RTP Performance Measurement for VPN subscribers, including enable RTP Performance license. One (1) of these ASLs is required for every increment of 100 Mbps for IMIX traffic distribution. Multiple instances may be applied to a single VSR to allow the desired scale.	\$ 650.00	35%	\$ 422.50
3HE11155AA	ASL VSR-NAT 10k Subs - Application Software License is required to enable NAT subscriber scale in increments of 10,000. One (1) license is required for every increment of 10,000 active subscribers in a Large Scale NAT (LSN) deployment. The total number of subscribers can include any subscriber type: IPv4 address in LSN44, B4 element (IPv6 address or prefix) in DS-Lite, IPv6 prefix in NAT64 or ESM subscriber in L2-Aware NAT. Multiple ASLs may be applied to a single VSR instance to allow the required subscriber scale.	\$ 3,000.00	35%	\$ 1,950.00
3HE11156AA	ASL VSR-NAT 1 Gbps - Application Software License required to enable NAT in bandwidth in increments of 1 Gbps. One (1) license is required for every increment of 1 Gbps of NAT capacity per VSR for IMIX traffic distribution. Multiple ASLs may be applied to a single VSR instance to allow the required bandwidth scale.	\$ 3,000.00	35%	\$ 1,950.00
3HE11157AA	ASL VSR-NAT Geo Redundancy - Application Software License required to enable geo redundancy for the NAT function. One (1) license is required to enable stateless GEO LSN redundancy per VSR. Separate NAT subscriber licenses are required for subscriber scale on each VSR.	\$ 20,000.00	35%	\$ 13,000.00
3HE11158AA	ASL VSR-NAT UPnP - Application Software License required to enable universal plug and play (UPnP) for the NAT function. One (1) license is required to enable UPnP per VSR.	\$ 25,000.00	35%	\$ 16,250.00
3HE11159AA	ASL VSR L2AwareNAT - Application Software License required to enable Layer 2 aware NAT. One (1) license is required to enable L2 aware NAT per VSR.	\$ 35,000.00	35%	\$ 22,750.00
3HE11160AA	ASL VSR MAP-T 1 Gbps - Application Software License (ASL) required for Mapping of Address and Port (MAP) in VSR. One (1) of these ASLs is required for every increment of 1 Gbps of traffic utilizing MAP. Multiple ASLs may be applied to an integrated VSR instance to allow the desired scale.	\$ 1,000.00	35%	\$ 650.00
3HE11161AA	ASL VSR-IPsec 1k Tunnels - Application Software License is required to enable IPsec tunnel scale in increments of 1,000 One (1) license is required for 1,000 IPsec tunnels per VSR. Multiple ASLs may be applied to a single VSR instance to allow the required tunnel scale.	\$ 2,200.00	35%	\$ 1,430.00
3HE11162AA	ASL VSR-IPsec 100 Mbps - Application Software License is required to enable IPsec bandwidth in increments of 100 Mbps for IMIX traffic distribution. One (1) license is required for every increment of 100 Mbps of IPsec encryption capacity per VSR. Multiple ASLs may be applied to a single VSR instance to allow the required bandwidth scale.	\$ 800.00	35%	\$ 520.00
3HE11163AA	ASL VSR-IPsec Geo Redundancy - Application Software License is required to enable geo-redundancy. One (1) license is required to enable IPsec Geo-redundancy feature within a VSR	\$ 50,000.00	35%	\$ 32,500.00
3HE11168AA	Kit contains two spare adapter brackets and fastener hardware to secure the 7750 SR-a8 chassis to an ETSI rack.	\$ 190.00	35%	\$ 123.50
3HE11169AA	Kit contains two adapter bracket and fastener hardware to secure the 7750 SR-1e chassis to an ETSI rack.	\$ 360.00	35%	\$ 234.00
3HE11170AA	Kit contains two adapter bracket and fastener hardware to secure the 7750 SR-2e chassis to an ETSI rack.	\$ 380.00	35%	\$ 247.00
3HE11171AA	Kit contains two adapter bracket and fastener hardware to secure the 7750 SR-e3 chassis to an ETSI rack.	\$ 400.00	35%	\$ 260.00
3HE11172AA	Contracted Annual Software Release Subscription (SRS) fee for VSR. Entitles customer to unlimited nodal OS software upgrade licenses for one year. Annual contracts must be purchased against the total installed base value (IBV) or Annual Lease Value (ALV) for a given customer network or channel for a particular VSR VNF. Contact local B&P team or ION BD for more information. Customer must complete Export Control Doc. prior to release of any S/W.	Contact RBC's	35%	#VALUE!
3HE11175AA	7750 SR 7-B-Slot Chassis with 7750 SR-7-B 100 Amp DC PEM-3 and 7750 SR-7 Enhanced Fan Tray + 7750 SR SFM5-7 + CPM5 Bundle. Bundle Includes: (1) 3HE10852AA - CH-BN - 7750 SR-7-B DC w/PEM3 + EFT (1) 3HE09261AA - SFM - 7750 SR SFM5-7 + CPM5	\$ 91,000.00	35%	\$ 59,150.00

3HE11176AA	7750 SR 12-B Slot Chassis with 7750 SR-12 175 Amp DC PEM-3 and 7750 SR-12 Enhanced Fan Tray + 7750 SR SFM5-12 + CPM5 Bundle. Bundle Includes: (1) 3HE09260AA - SFM - 7750 SR SFM5-12 + CPM5 (1) 3HE10854AA - CH-BN - 7750 SR-12-B w/PEM3 + EFT	\$ 142,350.00	35%	\$ 92,527.50
3HE11179AA	7750 SR-14s/7s AC/HVDC Power Shelf spare, Accessory Kit (mounting hardware), AC/HVDC Power Supplies and Coms module sold separately	\$ 25,000.00	35%	\$ 16,250.00
3HE11180AA	7750 SR-14s/7s LVDC Power Shelf spare, Accessory Kit (mounting hardware) LVDC Power Supplies and Coms module sold separately	\$ 25,000.00	35%	\$ 16,250.00
3HE11181AA	7750 SR-14s/7s Communication Card for the Power Shelf (LVDC and AC/HVDC)	\$ 3,500.00	35%	\$ 2,275.00
3HE11183AA	Power Supply AC/HVDC 6kW for the 7750 SR-14s/7s/2s/1s	\$ 7,500.00	35%	\$ 4,875.00
3HE11185AA	Power Supply LVDC 6kW for the 7750 SR-14s/7s/2s/1s	\$ 7,500.00	35%	\$ 4,875.00
3HE11223AA	Hardware GNSS LICENSE for SAR-Ax. One (1) License needed per SAR-Ax performing GNSS functionality. Note: additional RTU 3HE07354AC will be needed to use IEEE 1588 Time/Phase functionality. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 3,000.00	35%	\$ 1,950.00
3HE11239AA	1-port 100GBase ER4Lite QSFP28 Optics Module, 40km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM), 0/70C	\$ 88,000.00	35%	\$ 57,200.00
3HE11240AA	1-port 40GBase ER4 40km QSFP+ Optics Module, 40km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 38,000.00	35%	\$ 24,700.00
3HE11241AA	1-port 4x10GBase LR 10km QSFP+ Optics Module, 10km, MPO Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 12,000.00	35%	\$ 7,800.00
3HE11245AA	1-port 1000BASE-BX-U Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, TX: 1490 nm, RX: 1570 nm, 80km, LC Connector, RoHS 6/6, Extended Temperature -40/85C	\$ 3,995.00	35%	\$ 2,596.75
3HE11245AB	1-port 1000BASE-BX-D Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP) Optics Module, TX: 1570nm, RX: 1490nm, 80km, LC Connector, RoHS 6/6, Extended Temperature -40/85C	\$ 3,995.00	35%	\$ 2,596.75
3HE11278AA	7250 IXR-R6 Chassis. 6 MDA slots, 2 CPIOm slots. Accessories kit (3HE12384AA) included. No fan tray, fan filters and impedance panels included. Note that the 7250 IXR-R6 chassis does not have PSU slots.	\$ 6,500.00	35%	\$ 4,225.00
3HE11279AA	7250 IXR-R6 fan tray. One per 7250 IXR-R6 system required	\$ 1,500.00	35%	\$ 975.00
3HE11280AA	7250 IXR-R6 10 x 10GE SFP+ MDA. Pluggables sold separately.	\$ 16,000.00	35%	\$ 10,400.00
3HE11282AA	7250 IXR-R6 1 x 100GE QSFP28 + 6 x 10GE SFP+ MDA. Pluggables sold separately.	\$ 20,000.00	35%	\$ 13,000.00
3HE11282AB	7250 IXR-R6 1 x 100GE QSFP28 + 6 x 10GE SFP+ MDA-e. Pluggables sold separately.	\$ 20,000.00	35%	\$ 13,000.00
3HE11283AA	7250 IXR-R6 CPIOm. Up to two per system for control and forwarding.	\$ 26,000.00	35%	\$ 16,900.00
3HE11284AA	7250 IXR-R6 20 x GE cSFP MDA. This MDA provides up to 20 1GE ports using cSFP pluggables in slots 3 & 4 of the 7250 IXR-R6. Pluggables sold separately.	\$ 5,000.00	35%	\$ 3,250.00
3HE11286AA	7250 IXR-R6 fan filter: 5-pack	\$ 1,250.00	35%	\$ 812.50
3HE11287AA	7250 IXR-R6 CPIOm impedance panel	\$ 200.00	35%	\$ 130.00
3HE11288AA	7250 IXR-R6 MDA impedance panel	\$ 200.00	35%	\$ 130.00
3HE11298AA	35W High Voltage ETR Power Supply - Requires a single 90-264VAC or 88 to 300VDC input, and provides a single 24VDC output to provide power to the 7705 SAR-Hm main chassis or any other low power 24V DC product. This supply is DIN rail mountable.	\$ 650.00	35%	\$ 422.50
3HE11301AA	7750 SR-14s Chassis Spare. Includes; (1)7750 SR-14s Chassis. (1) 3HE11313AA-ACC - 7750 SR-14s ACCESSORY KIT  Impedance Panels, LVDC, AC/HVDC Power Shelf, Power Shelf Accessory kits, Rear mounting brackets, and Power Shelf interconnect kits all sold separately	\$ 185,000.00	35%	\$ 120,250.00
3HE11304AA	CPM - 7750 SR-s CPM-14s/7s	\$ 60,000.00	35%	\$ 39,000.00
3HE11305AA	7750 SR-7s XCM (XMA Control Module). Provides up to 4.8Tb of slot switching capacity. Accepts (1) 7750 SR-s XMA	\$ 58,000.00	35%	\$ 37,700.00
3HE11307AA	7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Software scale upgradeable to ER or HE feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out	\$ 880,000.00	35%	\$ 572,000.00
3HE11307BA	7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Software scale upgradeable to HE feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out.	\$ 1,040,000.00	35%	\$ 676,000.00
3HE11307CA	7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out.	\$ 1,200,000.00	35%	\$ 780,000.00
3HE11309AA	7750 SR-14s/7s/2s XMA Impedance Panel, must be installed in each and every empty XMA slot.	\$ 3,700.00	35%	\$ 2,405.00
3HE11310AA	7750 SR-14s XCM Impedance Panel, must be installed in each and every empty XCM-s slot.	\$ 6,000.00	35%	\$ 3,900.00
3HE11311AA	7750 SR-14s/7s CPM Impedance Panel, must be installed in each and every empty CPM slot.	\$ 3,500.00	35%	\$ 2,275.00
3HE11312AA	7750 SR-14s/7s Fan Tray spare	\$ 10,000.00	35%	\$ 6,500.00
3HE11313AA	7750 SR-14s Accessory Kit, this kit includes the following;  (1) CABLE ASSY RJ45 PLUG STR TO PLUG STR SHLD LSZH CAT6 BLK 5 FT (1) CABLE ASSY RJ45 PLUG STR TO PLUG STR SHLD LSZH CAT6 BLK 7 FT (2) NUT 1/4-20 (1) CONN, LUG,#2 AWG WIRE, 1/4" BOLT HOLES, .625" SPACING, 0.5" TONGUE, DOUBLE-CRIMP, 90 DEG (1) Wrist Strap (1) 3HE12566AA ACC - SR-s CLEANING TOOL, HONEYCOMB	\$ 1,000.00	35%	\$ 650.00
3HE11315AA	7750 SR-s Switch Fabric Module for the 7750 SR-14s/7s	\$ 200,000.00	35%	\$ 130,000.00
3HE11316AA	7750 SR-14s XCM (XMA Control Module). Provides up to 9.6Tb of slot switching capacity. Accepts (2) 7750 SR-s XMA	\$ 86,000.00	35%	\$ 55,900.00
3HE11342AA	7750 SR MG -ISM Subscriber Services Gateway (SSG) Application Software License  Note: One license is required for each active MG-ISM (License is not required on the standby MG-ISM).	\$ 40,000.00	35%	\$ 26,000.00
3HE11343AA	7750 SR MG-ISM Subscriber Services Gateway (SSG) RTU LIC FOR 10,000 Subscribers	\$ 25,000.00	35%	\$ 16,250.00



3HE11351AA	7750 SR IOM4-e-HS (High Scale) Baseboard. Accepts up to 2 MDA-e Full Service Routing Functionality, Full Queuing, hierarchical policing, IPv4/IPv6 routing services. Available upgrades/licenses: VPRN	\$ 705,000.00	35%	\$ 458,250.00
3HE11351CA	7750 SR IOM4-e-HS (High Scale) Baseboard. Accepts up to 2 MDA-e Includes "Layer-2 High Queuing" IMM Software License/functionality for full ESS functionality which includes the use of full queuing and policing with layer-2 services. Excludes use of multicast routing protocol or services, IPv6 routing services, VPRN services (including IPv4 and IPv6 VPNs), network interfaces when installed in a chassis running the above mentioned restricted services. Available upgrades/licenses: upgrade to L3HQ	\$ 533,000.00	35%	\$ 346,450.00
3HE11352AA	7750 SR MG -ISM Trusted WLAN Access Gateway (TWAG) Application Software License Note: One license is required for each active MG-ISM (License is not required on the standby MG-ISM).	\$ 40,000.00	35%	\$ 26,000.00
3HE11353AA	7750 SR MG-ISM Trusted WLAN Access Gateway (TWAG) RTU LIC FOR 10,000 Subscribers	\$ 25,000.00	35%	\$ 16,250.00
3HE11355DA	Nuage Virtual Routing and Switching License for one (1) Linux Bare Metal server with upto 4x10GigE interface. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 4,895.00	35%	\$ 3,181.75
3HE11356DA	Nuage Virtual Routing and Switching License for one (1) Linux Bare Metal server with upto 4x40GigE interface. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 16,995.00	35%	\$ 11,046.75
3HE11357DA	Nuage Virtual Routing and Switching Annual RTU License for one (1) Linux Bare Metal server with upto 4x10GigE interface. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 1,995.00	35%	\$ 1,296.75
3HE11358DA	Nuage Virtual Routing and Switching Annual RTU License for one (1) Linux Bare Metal server with upto 4x40GigE interface. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 6,795.00	35%	\$ 4,416.75
3HE11362AA	7750 SR 7-B-Slot Chassis with 7750 SR-7-B 100 Amp DC PEM-3 and 7750 SR-7 Enhanced Fan Tray + 7450 ESS SFM5-7 + CPM5 Bundle. Bundle Includes: (1) 3HE10852AA - CH-BN - 7750 SR-7-B DC w/PEM3 + EFT (1) 3HE09263AA - SFM - 7450 ESS SFM5-7 + CPM5  7450 ESS feature set utilized via a BOF command. Requires SR-OS R14.0.R6 to support 7450 ESS within this chassis.	\$ 91,000.00	35%	\$ 59,150.00
3HE11363AA	7750 SR 12-B Slot Chassis with 7750 SR-12 175 Amp DC PEM-3 and 7750 SR-12 Enhanced Fan Tray + 7450 ESS SFM5-12 + CPM5 Bundle. Bundle Includes: (1) 3HE09262AA - SFM - 7450 ESS SFM5-12 + CPM5 (1) 3HE10854AA - CH-BN - 7750 SR-12-B w/PEM3 + EFT  7450 ESS feature set utilized via a BOF command. Requires SR-OS R14.0.R6 to support 7450 ESS within this chassis.	\$ 142,350.00	35%	\$ 92,527.50
3HE11367AA	Nuage Virtualized Network Services (VNS) Network Services Gateway Border Router (NSG-BR) Right-To-Use 1Gbps Includes: - L3 Domain linking between WAN and DC - IPsec to VxLAN / VxLAN to VxLAN - Enables Policy across WAN and DC Requires the purchase of base route and VPN router licenses An additional IPsec license is required for IPsec to VxLAN	\$ 14,495.00	35%	\$ 9,421.75
3HE11368AA	Nuage Virtualized Network Services (VNS) Network Services Gateway Border Router (NSG-BR) Right-To-Use 2Gbps Includes: - L3 Domain linking between WAN and DC - IPsec to VxLAN / VxLAN to VxLAN - Enables Policy across WAN and DC Requires the purchase of base route and VPN router licenses An additional IPsec license is required for IPsec to VxLAN	\$ 17,295.00	35%	\$ 11,241.75
3HE11369AA	Nuage Virtualized Network Services (VNS) Network Services Gateway Border Router (NSG-BR) Right-To-Use 10Gbps Includes: - L3 Domain linking between WAN and DC - IPsec to VxLAN / VxLAN to VxLAN - Enables Policy across WAN and DC Requires the purchase of base route and VPN router licenses An additional IPsec license is required for IPsec to VxLAN	\$ 51,995.00	35%	\$ 33,796.75
3HE11372DA	Nuage Hardware VxLAN VTEP Annual RTU license to enable non-virtualized assets to participate in the network overlay. This license enables up to 48x10GE ports to be connected offering L2, L3, QoS, ACL features when supported by the hardware device. This license is applicable on a single switch basis and applies to Nuage 7850, 210 WBX, as well as 3rd party VTEPs. This allows access to the latest version and automatic updates.	\$ 3,595.00	35%	\$ 2,336.75
3HE11373DA	Nuage Hardware VxLAN VTEP Annual RTU license to enable non-virtualized assets to participate in the network overlay. This license enables up to 48x40GE ports to be connected offering L2, L3, QoS, ACL features when supported by the hardware device. This license is applicable on a single switch basis and applies to Nuage 7850, 210 WBX, as well as 3rd party VTEPs. This allows access to the latest version and automatic updates.	\$ 8,995.00	35%	\$ 5,846.75
3HE11379AA	7750 SR-7/ 7450 ESS-7 INPUT POWER RATING LABEL. Required when at least one 200G card is installed in a system.	\$ 1.00	35%	\$ 0.65
3HE11380AA	ASL VSR BGP Route Reflector - Application Software License (ASL) is required to enable BGP Route Reflector (RR) functionality on a VSR I (integrated model) system. A bandwidth license for at least 1Gbps must also be purchased. If more than 20 Gbps of bandwidth is licensed to a system (advanced QoS or standard QoS) BGP route reflection functionality is available without the purchase of this license. This part number purchases a license that is only valid with VSR systems running 14.0R6 or later software images.	\$ 50,000.00	35%	\$ 32,500.00

3HE11467EA	7210 SAS-K 2F6C4T, Release 20.X Base OS License / Native and MPLS Ethernet L2 VPNs License.  This is a per chassis license valid for release 20.X and must be purchased for both 7210 SAS-K 2F6C4T (non-ETR) and 7210 SAS-K 2F6C4T ETR variant. It provides the Base OS and includes support for native and MPLS-based Ethernet services (e.g. Layer-2 VPLS and Epipe services). It also includes support for syncE and PTP.  It excludes the use IP services (e.g. VPRNs and IES services).  It must also be purchased for upgrade to release 20.X. It will shipped on a SD Card.	\$ 350.00	35%	\$ 227.50
3HE11468AA	RTU - 7210 SAS-K 2F6C4T, IP services License.  This is a per chassis license and must be purchased for both 7210 SAS-K 2F6C4T (non-ETR) and 7210 SAS-K 2F6C4T ETR variant. This is a per chassis license. It is a one-time license to enable IP services on the node. It enables support of IP services (e.g. VPRN, IES and L3 VPNs using BGP 3107).	\$ 200.00	35%	\$ 130.00
3HE11469DA	OS - 7210 SAS-Sx 10GE/100GE variant, Release 20.X Base OS License / Native and MPLS Ethernet L2 VPNs License, Standalone Mode.  This is a per chassis license valid for release 20.X. It provides the Base OS and includes support for native and MPLS-based Ethernet services (e.g. Layer-2 VPLS and Epipe services) for operating in standalone mode. It also includes support for syncE and PTP.  It is required to operate 7210 SAS-Sx 645FP+ 4CFP4 and 7210 SAS-Sx 645FP+ 4QSF28 chassis, in standalone mode. It excludes the use IP services (e.g. VPRNs and IES services) and stacking/VC configuration.  It must also be purchased for upgrade to release 20.X. It will shipped on a SD Card.	\$ 5,000.00	35%	\$ 3,250.00
3HE11470AA	RTU - 7210 SAS-Sx 10GE/100GE variant, IP services License, Standalone Mode.  This is a per chassis license. It is a one-time license to enable IP services on the node. It enables support of IP services (e.g. VPRN, IES and L3 VPNs using BGP 3107).  It is required to use IP services on 7210 SAS-Sx 645FP+ 4CFP4 chassis, 7210 SAS-Sx 645FP+ 4QSF28 chassis and 7210 SAS-Sx 645FP+ 4QSF28 ETR chassis, in standalone mode.  It excludes the use of Stacking.	\$ 2,500.00	35%	\$ 1,625.00
3HE11471DA	7210 SAS-Sx 10GE/100GE variant, Release 20.X Base OS License, Satellite Mode.  This is a per chassis license for release 20.X. It allows for operating the chassis in satellite mode.  It is required to operate 7210 SAS-Sx 645FP+ 4CFP4 and 7210 SAS-Sx 645FP+ 4QSF28 chassis, in satellite mode.  It excludes the use standalone mode of operation and use of Stacking.  It must also be purchased for upgrade to release 20.X. It will be shipped on a SD card.	\$ 2,000.00	35%	\$ 1,300.00
3HE11502AA	7210 RPS CHASSIS	\$ 6,516.00	35%	\$ 4,235.40
3HE11503AA	7210 RPS Fiber Satellite Power Adaptor	\$ 3,028.00	35%	\$ 1,968.20
3HE11504AA	7210 RPS INTERPOSER DCIN 12V_150WOUT	\$ 2,832.00	35%	\$ 1,840.80
3HE11557AA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per VRS host	\$ 1,225.00	35%	\$ 796.25
3HE11558AA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per VRS host	\$ 4,250.00	35%	\$ 2,762.50
3HE11559AA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per VRS host	\$ 490.00	35%	\$ 318.50
3HE11560AA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per VRS host	\$ 1,700.00	35%	\$ 1,105.00
3HE11561AA	Nuage Virtualized Security Service Layer 4 Security Insights, Threshold based Alerts with Automated Policy Action License per VSD Analytics/Stats Node (ElasticSearch Node)	\$ 9,990.00	35%	\$ 6,493.50
3HE11562AA	Nuage Virtualized Security Service L4 Security Insights, Alerts and Automated Policy Action Annual RTU License per VSD (either Standalone VSD instance or a single VSD Cluster)	\$ 5,995.00	35%	\$ 3,896.75
3HE11565DA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per NSG device with upto 100Mbps license	\$ 165.00	35%	\$ 107.25
3HE11566DA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per NSG device with upto 200Mbps license	\$ 250.00	35%	\$ 162.50
3HE11567DA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per NSG device with upto 500Mbps license	\$ 415.00	35%	\$ 269.75
3HE11568DA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per NSG device with upto 1Gbps license	\$ 825.00	35%	\$ 536.25
3HE11569DA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per NSG device with upto 2Gbps license	\$ 2,475.00	35%	\$ 1,608.75
3HE11570DA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per NSG device with upto 10Gbps license	\$ 2,950.00	35%	\$ 1,917.50
3HE11580AA	7950 XRS-20 60A/80A DC Stand-Alone Complete Chassis Bundle, shipped with all common hardware. Includes: (1) 3HE07112AA - CH-BN - 7950 XRS-20 Integrated Chassis (5) 3HE09422AA - APEQ-DC-2200-2800 Power Equalizer Module (8) 3HE08505AA - SFM - 7950 XRS-20 SFM-X20S-B (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB, (1) 3HE10474AA - ACC - 7950 XRS-20 80A BREAKERS (x24)  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot.	\$ 550,000.00	35%	\$ 357,500.00
3HE11582AA	7950 XRS-20 AC Stand-Alone Complete Chassis Bundle, shipped with all common hardware. Includes: (1) 3HE07112AA - CH-BN - 7950 XRS-20 Integrated Chassis (5) 3HE09423AA - APEQ - APEQ-AC-3000 Power Equalizer Module (8) 3HE08505AA - SFM - 7950 XRS-20 SFM-X20S-B (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot.	\$ 550,000.00	35%	\$ 357,500.00
3HE11588AA	SAR-Hm Release 15.0 OS License. One (1) OS license is required for each SAR-Hm in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 550.00	35%	\$ 357.50

3HE11588AB	SAR-Hm Release 16.0 OS License. One (1) OS license is required for each SAR-Hm in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 550.00	35%	\$ 357.50
3HE11588AC	7705 SAR-Hm/Hmc Release 19 OS License. One (1) OS license is required for each SAR-Hm/Hmc in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 550.00	35%	\$ 357.50
3HE11588AD	7705 SAR-Hm/Hmc Release 20 OS License. One (1) OS license is required for each SAR-Hm/Hmc in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 550.00	35%	\$ 357.50
3HE11589AA	RTU - SAR-Hm WLAN license. Includes support for enabling WLAN services on the SAR-Hm node. One (1) OS License is required for each SAR-Hm in the network.	\$ 300.00	35%	\$ 195.00
3HE11597AA	SYS - 7210 SAS-Sx 645FP+ 4Q5FP28 system includes; (1) Fixed Fans, (2) Replaceable Air Filters (2) Hot swappable power supply slots, (64) SFP+ (4)Q5FP28 ports Does not include power supplies. Does not include 7210 SAS Operating Software or usage licences.	\$ 31,000.00	35%	\$ 20,150.00
3HE11600AA	SAR-Hm with non-redundant (10-28V) DC power feed covering NAR and EMEA LTE/3G bands. IEEE 802.11b/g/n (WLAN) and GNSS receiver supported. DIN rail or panel mountable. Node has 6 10/100BASE-T RJ-45, 2 RS-232 (RJ-45) ports. OS, firewall, encryption and WLAN software licenses are sold separately. Antennas, DIN rail or other mounting hardware sold separately.	\$ 4,250.00	35%	\$ 2,762.50
3HE11602AA	SAR-Hm with non-redundant (10-28V) DC power feed covering APAC and rest-of-world LTE/3G bands. IEEE 802.11b/g/n (WLAN) and GNSS receiver supported. DIN rail or panel mountable. Node has 6 10/100BASE-T RJ-45, 2 RS-232 (RJ-45) ports. OS, firewall, encryption and WLAN software licenses are sold separately. Antennas, DIN rail or other mounting hardware sold separately.	\$ 4,250.00	35%	\$ 2,762.50
3HE11642DA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per NSG device with upto 100Mbps throughput	\$ 67.65	35%	\$ 43.97
3HE11643DA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per NSG device with upto 200Mbps throughput	\$ 102.50	35%	\$ 66.63
3HE11644DA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per NSG device with upto 500Mbps throughput	\$ 170.15	35%	\$ 110.60
3HE11645DA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per NSG device with upto 1Gbps throughput	\$ 338.25	35%	\$ 219.86
3HE11646DA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per NSG device with upto 2Gbps throughput	\$ 1,014.75	35%	\$ 659.59
3HE11647DA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per NSG device with upto 10Gbps throughput	\$ 1,209.50	35%	\$ 786.18
3HE11648DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router Annual RTU License 100Mbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 270.60	35%	\$ 175.89
3HE11649DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router Annual RTU License 200Mbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 405.90	35%	\$ 263.84
3HE11650DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router Annual RTU License 500Mbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 676.50	35%	\$ 439.73
3HE11651DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router Annual RTU License 1Gbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 1,353.00	35%	\$ 879.45
3HE11652DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router Annual RTU License 2Gbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 4,059.00	35%	\$ 2,638.35
3HE11653DA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router Annual RTU License 10Gbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 4,870.80	35%	\$ 3,166.02

3HE11654DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router Annual RTU License 100Mbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 123.00	35%	\$ 79.95
3HE11655DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router Annual RTU License 200Mbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 184.50	35%	\$ 119.93
3HE11656DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router Annual RTU License 500Mbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 307.50	35%	\$ 199.88
3HE11657DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router Annual RTU License 1Gbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 615.00	35%	\$ 399.75
3HE11658DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router Annual RTU License 2Gbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 1,845.00	35%	\$ 1,199.25
3HE11659DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router Annual RTU License 10Gbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 2,214.00	35%	\$ 1,439.10
3HE11660DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Annual RTU License 100Mbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 34.85	35%	\$ 22.65
3HE11661DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Annual RTU License 200Mbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 51.25	35%	\$ 33.31
3HE11662DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Annual RTU License 500Mbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 86.10	35%	\$ 55.97
3HE11663DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Annual RTU License 1Gbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 170.15	35%	\$ 110.60
3HE11664DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Annual RTU License 2Gbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 508.40	35%	\$ 330.46
3HE11665DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Annual RTU License 10Gbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 608.85	35%	\$ 395.75
3HE11666DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Annual RTU License 100Mbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 112.75	35%	\$ 73.29
3HE11667DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Annual RTU License 200Mbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 170.15	35%	\$ 110.60
3HE11668DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Annual RTU License 500Mbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 282.90	35%	\$ 183.89
3HE11669DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Annual RTU License 1Gbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 563.75	35%	\$ 366.44
3HE11670DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Annual RTU License 2Gbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 1,691.25	35%	\$ 1,099.31
3HE11671DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Annual RTU License 10Gbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 2,029.50	35%	\$ 1,319.18
3HE11672DA	Nuage Virtualized Network Services (VNS) Network Services Gateway Border Router (NSG-BR) annual RTU License 1Gbps Includes: - L3 Domain linking between WAN and DC - IPsec to VxLAN / VxLAN to VxLAN - Enables Policy across WAN and DC Requires the purchase of base route and VPN router licenses An additional IPsec license is required.	\$ 5,942.95	35%	\$ 3,862.92
3HE11673DA	Nuage Virtualized Network Services (VNS) Network Services Gateway Border Router (NSG-BR) annual RTU License 2Gbps Includes: - L3 Domain linking between WAN and DC - IPsec to VxLAN / VxLAN to VxLAN - Enables Policy across WAN and DC Requires the purchase of base route and VPN router licenses An additional IPsec license is required.	\$ 7,090.95	35%	\$ 4,609.12

3HE11674DA	Nuage Virtualized Network Services (VNS) Network Services Gateway Border Router (NSG-BR) annual RTU License 10Gbps Includes: - L3 Domain linking between WAN and DC - IPsec to VxLAN / VxLAN to VxLAN - Enables Policy across WAN and DC Requires the purchase of base route and VPN router licenses An additional IPsec license is required.	\$ 21,317.95	35%	\$ 13,856.67
3HE11675DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Annual RTU License 100Mbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes	\$ 57.40	35%	\$ 37.31
3HE11676DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Annual RTU License 200Mbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes	\$ 86.10	35%	\$ 55.97
3HE11677DA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Annual RTU License 500Mbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 141.45	35%	\$ 91.94
3HE11678DA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Annual RTU License 1Gbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 282.90	35%	\$ 183.89
3HE11679DA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Annual RTU License 2Gbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 846.65	35%	\$ 550.32
3HE11680DA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Annual RTU License 10Gbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 1,014.75	35%	\$ 659.59
3HE11681DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Annual RTU License 100Mbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 57.40	35%	\$ 37.31
3HE11682DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Annual RTU License 200Mbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 86.10	35%	\$ 55.97
3HE11683DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Annual RTU License 500Mbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 141.45	35%	\$ 91.94
3HE11684DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Annual RTU License 1Gbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 282.90	35%	\$ 183.89
3HE11685DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Annual RTU License 2Gbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 846.65	35%	\$ 550.32
3HE11686DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Annual RTU License 10Gbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 1,014.75	35%	\$ 659.59
3HE11692DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Annual RTU 100Mbps	\$ 22.55	35%	\$ 14.66
3HE11693DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Annual RTU 200Mbps	\$ 34.85	35%	\$ 22.65
3HE11694DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Annual RTU 500Mbps	\$ 57.40	35%	\$ 37.31
3HE11695DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Annual RTU 1Gbps	\$ 112.75	35%	\$ 73.29
3HE11696DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Annual RTU 2Gbps	\$ 338.25	35%	\$ 219.86
3HE11697DA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Annual RTU 10Gbps	\$ 405.90	35%	\$ 263.84
3HE11751AA	7250 IXR Power Supply Unit. 3KW AC/HVDC power supply (200 to 240V AC or 240 to 380V DC). 80-plus Titanium rated (94% efficiency)	\$ 3,600.00	35%	\$ 2,340.00
3HE11752AA	7250 IXR Power Supply Unit. 3KW LVDC power supply, -48V DC	\$ 3,300.00	35%	\$ 2,145.00
3HE11753AA	7250 IXR 48-port 10G SFP+ + 2-port QSFP28 Integrated Media Module for the IXR with MACSec (IMM48-SFP+2-QSFP28).	\$ 108,000.00	35%	\$ 70,200.00
3HE11754AA	7250 IXR 36-port QSFP28 Integrated Media Module for the IXR with MACSec (IMM36-100G-QSFP28).	\$ 396,000.00	35%	\$ 257,400.00
3HE11755AA	7250 IXR-6 Switch Fabric Module (SFM-IXR-6) - (Spare)	\$ 13,000.00	35%	\$ 8,450.00
3HE11756AA	7250 IXR CPM Impedance Panel. Required if a single CPM is used.	\$ 1,080.00	35%	\$ 702.00
3HE11757AA	7250 IXR IMM Impedance Panel. Required in every slot not populated by an IMM.	\$ 1,200.00	35%	\$ 780.00
3HE11758AA	7250 IXR PSU Impedance Panel. Required in every PSU slot not populated by a PSU.	\$ 600.00	35%	\$ 390.00
3HE11759AA	7250 IXR-6 Fan Tray - (Spare)	\$ 2,500.00	35%	\$ 1,625.00
3HE11760AA	7250 IXR-6 Chassis - (Spare)	\$ 13,750.00	35%	\$ 8,937.50
3HE11761AA	7250 IXR Control Processor Module (CPM-IXR) - (Spare)	\$ 22,000.00	35%	\$ 14,300.00
3HE11762AA	7250 IXR Control Processor Module (CPM-IXR SSD) with 128 GB SSD - (Spare)	\$ 28,000.00	35%	\$ 18,200.00
3HE11763AA	CBL - AC Power Cable, 250V, SAF-D-GRID to IEC C20, 3M, USA	\$ 250.00	35%	\$ 162.50
3HE11764AA	CBL - HVDC Power Cable, 400V, SAF-D-GRID Dual, 3M	\$ 250.00	35%	\$ 162.50
3HE11768AA	7250 IXR-10 Switch Fabric Module (SFM-IXR-10) - (Spare)	\$ 22,000.00	35%	\$ 14,300.00
3HE11769AA	7250 IXR-10 Fan Tray - (Spare)	\$ 3,000.00	35%	\$ 1,950.00
3HE11770AA	7250 IXR-10 Chassis - (Spare)	\$ 28,500.00	35%	\$ 18,525.00
3HE11771AA	CBL - AC Power Cable, 250V, SAF-D-GRID to CEE 7/7, 3M, EUR	\$ 400.00	35%	\$ 260.00
3HE11772AA	CBL - Open Ended AC Power Cable, 250V, 3M, EUR	\$ 250.00	35%	\$ 162.50

3HE11793AA	RTU MGW AA ICAP blacklist 10k Subs - Right to Use (RTU) required for Application Assurance ICAP session control for blacklist filtering of subscribers. Not required if using "RTU MGW AA ICAP control 10k Subscribers". One (1) of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license	\$ 5,000.00	35%	\$ 3,250.00
3HE11794AA	RTU MGW TCP Optimization 10K Subs - Right to Use (RTU) required for subscriber based TCP Optimization. One (1) of these RTUs is required for every increment of 10,000 subscribers, does not require use of TCP-O 1Gbps RTU. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 6,800.00	35%	\$ 4,420.00
3HE11795AA	RTU MGW AA DEM Gateway 10K Subs - Right to Use (RTU) required for Application Assurance Dynamic Experience Management Gateway. One (1) of these RTUs is required for every increment of 10,000 subscribers, in addition to AA licenses. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 8,250.00	35%	\$ 5,362.50
3HE11816AA	Deepfield Network Intelligence Core Platform License PER ROUTER Monitored For Routers <=100 (Always use this for first 100 routers) - PERPETUAL LICENSE	\$ 19,600.00	35%	\$ 12,740.00
3HE11817AA	Deepfield Network Intelligence Core Platform License PER ROUTER Monitored For Routers > 100 But <=199 - PERPETUAL LICENSE	\$ 11,200.00	35%	\$ 7,280.00
3HE11818AA	Deepfield Network Intelligence Core Platform License PER ROUTER Monitored For Routers >=200 - PERPETUAL LICENSE	\$ 5,600.00	35%	\$ 3,640.00
3HE11819AA	Deepfield Network Intelligence Core Platform License PER ROUTER Monitored For Routers <=100 (Always use this for first 100 routers) - 3-Year Term License	\$ 17,424.40	35%	\$ 11,325.86
3HE11820AA	Deepfield Network Intelligence Core Platform License PER ROUTER Monitored For Routers > 100 But <=199 - 3-Year Term License	\$ 9,956.80	35%	\$ 6,471.92
3HE11821AA	Deepfield Network Intelligence Core Platform License PER ROUTER Monitored For Routers >=200 - 3-Year Term License	\$ 5,600.00	35%	\$ 3,640.00
3HE11826AA	Deepfield Network Intelligence Cloud Intelligence License PER Gbps Monitored For >=50 But <=250 - PERPETUAL LICENSE *NOTE (Minimum 50 Gbps For Cloud) (CI is priced in tiers, for networks with more than 250 routers use this tier for the first 250)	\$ 1,157.48	35%	\$ 752.36
3HE11827AA	Deepfield Network Intelligence Cloud Intelligence License PER Gbps Monitored For >=251 But <=1000 - PERPETUAL LICENSE	\$ 661.42	35%	\$ 429.92
3HE11828AA	Deepfield Network Intelligence Cloud Intelligence License PER Gbps Monitored For Gbps >=1001 But <=5000 - PERPETUAL LICENSE	\$ 165.35	35%	\$ 107.48
3HE11829AA	Deepfield Network Intelligence Cloud Intelligence License PER Gbps Monitored For Gbps >5000 - PERPETUAL LICENSE	\$ 70.87	35%	\$ 46.06
3HE11830AA	Deepfield Network Intelligence Cloud Intelligence License PER Gbps Monitored For Gbps >=50 But <=250 - 3-YEAR TERM LICENSE *NOTE (Minimum 50 Gbps For Cloud Intelligence License) (CI is priced in tiers, for networks with more than 250 routers use this tier for the first 250)	\$ 1,029.00	35%	\$ 668.85
3HE11831AA	Deepfield Network Intelligence Cloud Intelligence License PER Gbps Monitored For Gbps >=251 But <=1000 - 3-YEAR TERM LICENSE	\$ 588.00	35%	\$ 382.20
3HE11832AA	Deepfield Network Intelligence Cloud Intelligence License PER Gbps Monitored For Gbps >=1001 But <=5000 - 3-YEAR TERM LICENSE	\$ 147.00	35%	\$ 95.55
3HE11833AA	Deepfield Network Intelligence Cloud Intelligence License PER Gbps Monitored For Gbps >5000 - 3-YEAR TERM LICENSE	\$ 63.00	35%	\$ 40.95
3HE11839AA	Deepfield Network Intelligence Internet Gehome License - PERPETUAL	\$ 210,000.00	35%	\$ 136,500.00
3HE11840AA	Deepfield Network Intelligence Internet Gehome License - 3-YEAR TERM	\$ 186,690.00	35%	\$ 121,348.50
3HE11842AA	Deepfield Network Intelligence Defender License (Price Per Router Monitored) With BGP-Speaking Enabled - PERPETUAL LICENSE	\$ 23,590.00	35%	\$ 15,333.50
3HE11843AA	Deepfield Network Intelligence Defender License (Price Per Router Monitored) With BGP-Speaking Enabled - 3-YEAR TERM LICENSE	\$ 20,972.00	35%	\$ 13,631.80
3HE11845AA	Deepfield Network Intelligence Defender License (Price Per Router Monitored) With NO BGP-Speaking Enabled - PERPETUAL LICENSE	\$ 3,990.00	35%	\$ 2,593.50
3HE11846AA	Deepfield Network Intelligence Defender License (Price Per Router Monitored) With NO BGP-Speaking Enabled - 3-YEAR TERM LICENSE	\$ 3,547.60	35%	\$ 2,305.94
3HE11848AA	Deepfield Network Intelligence Defender Management Mitigation Connector - PERPETUAL LICENSE	\$ 1,330.00	35%	\$ 864.50
3HE11849AA	Deepfield Network Intelligence Defender Management Mitigation Connector - 3-YEAR TERM LICENSE	\$ 1,183.00	35%	\$ 768.95
3HE11852AA	Deepfield Network Intelligence Service Intelligence PER SUB License For < 1M Subs - PERPETUAL LICENSE	\$ 0.53	35%	\$ 0.35
3HE11853AA	Deepfield Network Intelligence Service Intelligence PER SUB License Where Total Subs < 5M - PERPETUAL LICENSE	\$ 0.35	35%	\$ 0.23
3HE11854AA	Deepfield Network Intelligence Service Intelligence PER SUB License Where Total Subs < 10M - PERPETUAL LICENSE	\$ 0.27	35%	\$ 0.17
3HE11855AA	Deepfield Network Intelligence Service Intelligence PER SUB License Where Total Subs >10M - PERPETUAL LICENSE	\$ 0.18	35%	\$ 0.12
3HE11856AA	Deepfield Network Intelligence Service Intelligence PER SUB License For < 1M Subs - 3-YEAR TERM LICENSE	\$ 0.46	35%	\$ 0.30
3HE11857AA	Deepfield Network Intelligence Service Intelligence PER SUB License Where Total Subs < 5M - 3-YEAR TERM LICENSE	\$ 0.31	35%	\$ 0.20
3HE11858AA	Deepfield Network Intelligence Service Intelligence PER SUB License Where Total Subs < 10M - 3-YEAR TERM LICENSE	\$ 0.24	35%	\$ 0.15
3HE11859AA	Deepfield Network Intelligence Service Intelligence PER SUB License Where Total Subs >10M - 3-YEAR TERM LICENSE	\$ 0.15	35%	\$ 0.10
3HE11865AA	Deepfield Network Intelligence Subscriber Intelligence PER SUB License Where Total Subs >10M - PERPETUAL LICENSE	\$ 1.40	35%	\$ 0.91
3HE11866AA	Deepfield Network Intelligence Subscriber Intelligence PER SUB License Where Total Subs < 5M - PERPETUAL LICENSE	\$ 1.23	35%	\$ 0.80
3HE11867AA	Deepfield Network Intelligence Subscriber Intelligence PER SUB License Where Total Subs < 10M - PERPETUAL LICENSE	\$ 0.88	35%	\$ 0.57
3HE11868AA	Deepfield Network Intelligence Subscriber Intelligence PER SUB License Where Total Subs >10M - PERPETUAL LICENSE	\$ 0.53	35%	\$ 0.35
3HE11869AA	Deepfield Network Intelligence Subscriber Intelligence PER SUB License Where Total Subs < 1M - 3-YEAR TERM LICENSE	\$ 1.25	35%	\$ 0.81
3HE11870AA	Deepfield Network Intelligence Subscriber Intelligence PER SUB License Where Total Subs < 5M - 3-YEAR TERM LICENSE	\$ 1.09	35%	\$ 0.71
3HE11871AA	Deepfield Network Intelligence Subscriber Intelligence PER SUB License Where Total Subs < 10M - 3-YEAR TERM LICENSE	\$ 0.78	35%	\$ 0.51
3HE11872AA	Deepfield Network Intelligence Subscriber Intelligence PER SUB License Where Total Subs >10M - 3-YEAR TERM LICENSE	\$ 0.46	35%	\$ 0.30
3HE11878AA	Deepfield Network Intelligence RADIUS Connector License	\$ 400,000.00	35%	\$ 260,000.00
3HE11879AA	Deepfield Network Intelligence DNS Connector License	\$ 200,000.00	35%	\$ 130,000.00
3HE11880AA	Deepfield Network Intelligence Generic Connector License	\$ 200,000.00	35%	\$ 130,000.00
3HE11881AB	SYS - 210 WBX 32QSF28, base platform. Includes Rail-Kit posts Does not include fans or power supplies	\$ 12,200.00	35%	\$ 7,930.00
3HE11882AA	SYS - 210 WBX 48SFP28 6QSF28, base platform Does not include fans or power supplies	\$ 12,600.00	35%	\$ 8,190.00
3HE11883AA	PS - 210 WBX -48V DC (BtoF) supports also: 3HE15622AA SYS - 7220 IXR-D2 48SFP28 8QSF28 3HE15623AA SYS - 7220 IXR-D3 32QSF28 2SFP+	\$ 1,800.00	35%	\$ 1,170.00
3HE11885AA	PS - 210 WBX AC (BtoF) supports also: 3HE15622AA SYS - 7220 IXR-D2 48SFP28 8QSF28 3HE15623AA SYS - 7220 IXR-D3 32QSF28 2SFP+	\$ 1,170.00	35%	\$ 760.50
3HE11886AA	PS - 210 WBX AC (FtoB) supports also: 3HE15622AA SYS - 7220 IXR-D2 48SFP28 8QSF28 3HE15623AA SYS - 7220 IXR-D3 32QSF28 2SFP+	\$ 1,170.00	35%	\$ 760.50
3HE11887AA	FAN - 210 WBX Fan (FtoB)	\$ 200.00	35%	\$ 130.00
3HE11888AA	FAN - 210 WBX Fan (BtoF)	\$ 200.00	35%	\$ 130.00

3HE11897AB	Nuage 7850 Network Services Gateway – Ethernet 200 (NSG-E200). AC powered with 2 dual-PHY ports supporting 10/100/1000BASE-X and 10/100/1000BASE-T Gigabit Ethernet, and 4 LAN 10/100/1000BASE-T Gigabit Ethernet ports. 1 ports USB, 1 port RJ-45 serial. Pre-loaded with 5.2.1-8 software. Included in bundle is qty=1 3HE11925AA AC power supply. One C13 power cord must be purchased separately . Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 1,395.00	35%	\$ 906.75
3HE11898AB	Nuage 7850 Network Services Gateway – Ethernet 300 (NSG-E300). AC powered with 2 dual-PHY ports supporting 10/100/1000BASE-X and 10/100/1000BASE-T Gigabit Ethernet, and 4 LAN 10/100/1000BASE-T Gigabit Ethernet ports. 1 ports USB, 1 port RJ-45 serial. Pre-loaded with 5.2.1-8 software. Included in bundle is qty=1 3HE11925AA AC power supply. One C13 power cord must be purchased separately . Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 1,795.00	35%	\$ 1,166.75
3HE11899AB	Nuage 7850 Network Services Gateway-X200. AC powered with 2-ports 10GigE SFP+, 4-ports 1000BASE-T, 2 ports USB, 1 port RJ-45 serial. Pre-loaded with 5.2.1-8 software. Included in bundle is qty=1 3HE11925AA AC power supply. For 1+1 power redundancy an additional 3HE10834AA must be ordered. One C13 power cord must be purchased separately for each power module. Includes hardware for mounting in EIA/ECA-310 racks. Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 4,995.00	35%	\$ 3,246.75
3HE11903AA	7750 SR 12-port 10/1GE MACSec MDA-e. Accepts twelve (12) SFP+ 10GBase or SFP 1000Base Optics Modules.	\$ 155,000.00	35%	\$ 100,750.00
3HE11904AA	1-port 10/100/1000BASE-TX Small Form-Factor Pluggable (SFP) Copper Module, Cat5, RJ45 Connector, RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 338.00	35%	\$ 219.70
3HE11905AA	7750 SR-7s Chassis Spare. Includes; (1) 7750 SR-7s Chassis (1) 3HE12395AA -ACC - 7750 SR-7s ACCESSORY KIT  Impedance Panels, LVDC, AC/HVDC Power Shelf, Power Shelf Accessory kits, Rear mounting brackets, and Power Shelf interconnect kits all sold separately	\$ 145,000.00	35%	\$ 94,250.00
3HE11913AA	RTU - Integrated GNSS adapter for Grandmaster functionality. IXR-R6, IXR-e retrieves clock from a GNSS satellite and becomes Grandmaster. One (1) license per IXR-R6/IXR-e in the network	\$ 3,000.00	35%	\$ 1,950.00
3HE11914AA	7250 IXR Extends FIB to host larger number of routes Right To Use license. One (1) License is required for each IXR in the network.	\$ 5,000.00	35%	\$ 3,250.00
3HE11915AA	RTU - L2 VPN Services including EPIPE, VPLS, EVPN, VPWS, sap2sap on Access/Hybrid ports with 40G or more capacity One (1) License is required for each IXR port in the network	\$ 2,000.00	35%	\$ 1,300.00
3HE11916AA	RTU - L3 VPN Services including IP-VPN, IES on Access/Hybrid ports with 40G or more capacity One (1) License is required for each IXR port in the network	\$ 3,000.00	35%	\$ 1,950.00
3HE11925AA	PS - Nuage 7850 NSG-E200/NSG-E300 AC spare power supply. NSG-E200/E300 ships with a power supply and this is an additional spare power supply.	\$ 120.00	35%	\$ 78.00
3HE12023AE	AC Power Cable AS/NZS 3112 to IEC 60320 C13 10A/250V 1.8 meter - Australia / New Zealand	\$ 30.00	35%	\$ 19.50
3HE12023AF	AC Power Cable NBR 14136 Type N to IEC 60320 C13 10A/250V 1.8 meter- Brazil	\$ 30.00	35%	\$ 19.50
3HE12023AG	AC Power Cable CPC5-CCC Type I to IEC 60320 C13 10A/250V 1.8 meter- China (excluding Hong Kong and Macau)	\$ 30.00	35%	\$ 19.50
3HE12023AH	AC Power Cable IS 1293 to IEC 60320 C13 10A/250V 1.8 meter- India	\$ 30.00	35%	\$ 19.50
3HE12023AJ	AC Power Cable CEI 23-50 P11 to IEC 60320 C13 10A/250V 1.8 meter- Italy	\$ 30.00	35%	\$ 19.50
3HE12023AK	AC Power Cable JIS C 8303 Class I to IEC 60320 C13 10A/250V 1.8 meter - Japan	\$ 30.00	35%	\$ 19.50
3HE12023AM	AC Power Cable SANS 164-1 to IEC 60320 C13 10A/250V 1.8 meter- South Africa	\$ 30.00	35%	\$ 19.50
3HE12024AA	LC-LC Single Mode Fiber cable, 6 meter length	\$ 75.00	35%	\$ 48.75
3HE12024AB	LC-LC Single Mode Fiber cable, 12 meter length	\$ 75.00	35%	\$ 48.75
3HE12024AC	LC-LC Single Mode Fiber cable, 3 meter length	\$ 70.00	35%	\$ 45.50
3HE12025AA	LC-SC Single Mode Fiber cable, 6 meter length	\$ 75.00	35%	\$ 48.75
3HE12025AB	LC-SC Single Mode Fiber cable, 12 meter length	\$ 75.00	35%	\$ 48.75
3HE12025AC	LC-SC Single Mode Fiber cable, 3 meter length	\$ 70.00	35%	\$ 45.50
3HE12026AA	LC-LC Multi Mode Fiber cable, 6 meter length	\$ 75.00	35%	\$ 48.75
3HE12026AB	LC-LC Multi Mode Fiber cable, 12 meter length	\$ 75.00	35%	\$ 48.75
3HE12026AC	LC-LC Multi Mode Fiber cable, 3 meter length	\$ 70.00	35%	\$ 45.50
3HE12027AA	LC-SC Multi Mode Fiber cable, 6 meter length	\$ 75.00	35%	\$ 48.75
3HE12027AB	LC-SC Multi Mode Fiber cable, 12 meter length	\$ 75.00	35%	\$ 48.75
3HE12027AC	LC-SC Multi Mode Fiber cable, 3 meter length	\$ 40.00	35%	\$ 26.00
3HE12028AA	Category-6 RJ45 6 meter length	\$ 70.00	35%	\$ 45.50
3HE12028AB	Category-6 RJ45 12 meter length	\$ 100.00	35%	\$ 65.00
3HE12028AC	Category-6 RJ45 3 meter length	\$ 30.00	35%	\$ 19.50
3HE12032AA	DC Power Supply Cable to be used with AirFrame DC Compute Node Power Supply Units.	\$ 125.00	35%	\$ 81.25
3HE12037AA	7950 XRS-20e Stand-Alone Complete Chassis AC Bundle, shipped with all common hardware. Includes: (1) 3HE11086AA - CHAS-7950 XRS-20e AC/HVDC SPARE CHASSIS (5) 3HE09423AA - APEQ-AC-3000 Power Equalizer Module , (8) 3HE08505AA - SFM - 7950 XRS-20 SFM-X20S-B, (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB (3) 3HE11088AA - FAN - 7950 XRS-20e Fan Tray (2) 3HE07117AA - CCM - 7950 XRS-20 CCM  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot.	\$ 800,000.00	35%	\$ 520,000.00
3HE12038AA	7950 XRS-20e Stand-Alone Complete Chassis 60A/80A DC Bundle, shipped with all common hardware. Includes: (1) 3HE11085AA - CHAS-7950 XRS-20e Universal Spare Chassis (5) 3HE09422AA - APEQ-DC-2200-2800 Power Equalizer Module , (8) 3HE08505AA - SFM - 7950 XRS-20 SFM-X20S-B, (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB (5) 3HE11093AA - 7950 XRS-20e Dual Power Connect Module (5) 3HE11097AA - 7950 XRS-20e Power Input Module (3) 3HE11088AA - FAN - 7950 XRS-20e Fan Tray (2) 3HE07117AA - CCM - 7950 XRS-20 CCM	\$ 800,000.00	35%	\$ 520,000.00
3HE12080AA	7750 SR Mobile Gateway Integrated Services Module – Mobile Gateway (ISM-MG-C) Subscriber Services Gateway (SSG) base capability. Allows per MG-ISM sub context without support for policy enforcement, steering, charging, mirroring, etc. For use in SSG systems using SSG APPLICATION SOFTWARE LICENSE but without support for RTU SSG LIC FOR 10K SUB CTX	\$ 160,000.00	35%	\$ 104,000.00



3HE12081AA	Right to Use 7750 SR MG ISM-MG-C SSG full upgrade to enable use of all SSG subscriber features. For use in SSG systems in addition to RTU SSG LIC FOR 10K SUB CTX	\$ 240,000.00	35%	\$ 156,000.00
3HE12082AA	7750 SR Mobile Gateway Integrated Services Module – Mobile Gateway (ISM-MG-C-E) (no encryption). Subscriber Services Gateway (SSG) base capability. Allows per MG-ISM sub context without support for policy enforcement, steering, charging, mirroring, etc. For use in SSG systems using SSG APPLICATION SOFTWARE LICENSE but without support for RTU SSG LIC FOR 10K SUB CTX	\$ 160,000.00	35%	\$ 104,000.00
3HE12083AA	Right to Use 7750 SR MG ISM-MG-C-E (no encryption) SSG full upgrade to enable use of all SSG subscriber features. For use in SSG systems in addition to RTU SSG LIC FOR 10K SUB CTX	\$ 240,000.00	35%	\$ 156,000.00
3HE12106AA	7210 RPS INTERPOSER DCIN 12V 450WOUT	\$ 4,248.00	35%	\$ 2,761.20
3HE12111AA	1-port 10GBASE-BX20-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 20km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Temperature -40/85C	\$ 4,995.00	35%	\$ 3,246.75
3HE12111AB	1-port 10GBASE-BX20-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 20km, TX: 1270 nm, RX: 1330 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Temperature -40/85C	\$ 4,995.00	35%	\$ 3,246.75
3HE12111BA	1-port 10GBASE-BX20-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 20km, TX: 1270 nm, RX: 1330 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Temperature -40/85C	\$ 4,995.00	35%	\$ 3,246.75
3HE12111BB	1-port 10GBASE-BX20-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 20km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Temperature -40/85C	\$ 4,995.00	35%	\$ 3,246.75
3HE12121AA	1-port 10GBASE-BX20-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (XFP) Optics Module, Single Mode Fiber (SMF), 20km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Temperature -40/85C	\$ 9,995.00	35%	\$ 6,496.75
3HE12121AB	1-port 10GBASE-BX20-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (XFP) Optics Module, Single Mode Fiber (SMF), 20km, TX: 1270 nm, RX: 1330 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Temperature -40/85C	\$ 9,995.00	35%	\$ 6,496.75
3HE12195AA	1-port 100GBase-SR10 or 10-port 10GBase SR QSFP28 Optic Module, 100M, MMF, MPO, RoHS 6/6, Digital Diagnostic Monitor (DDM), 0/70C	\$ 28,000.00	35%	\$ 18,200.00
3HE12196AB	SYS - 210 WBX 32QSFP28, DC System, Back to Front Includes; (1) 3HE11881AB SYS - 210 WBX 32QSFP28, base platform (2) 3HE11883AA PS - 210 WBX -48V DC (BtoF) (5) 3HE11888AA FAN - 210 WBX Fan Tray (BtoF) (1) 3HE14104AA ACC – Rail-kit (fits 19" RM and 21" OR Rack)	\$ 16,800.00	35%	\$ 10,920.00
3HE12197AB	SYS - 210 WBX 32QSFP28, DC System, Front to Back Includes; (1) 3HE11881AB SYS - 210 WBX 32QSFP28 base platform (2) 3HE10837AA PS - 210 WBX, 7210 Sx 100G -48VDC (FtoB) (5) 3HE11887AA FAN - 210 WBX Fan (FtoB) (1) 3HE14104AA ACC – Rail-kit (fits 19" and 21" OR Rack)	\$ 16,800.00	35%	\$ 10,920.00
3HE12198AB	SYS - 210 WBX 32QSFP28, AC System, Back to Front Includes; (1) 3HE11881AB SYS - 210 WBX 32QSFP28 base platform (2) 3HE11885AA PS - 210 WBX AC (BtoF) (5) 3HE11888AA FAN - 210 WBX Fan Tray (BtoF) (1) 3HE14104AA ACC – Rail-kit (fits 19" RM and 21" OR Rack)	\$ 15,540.00	35%	\$ 10,101.00
3HE12199AB	SYS - 210 WBX 32QSFP28, AC System, Front to Back Includes; (1) 3HE11881AB SYS - 210 WBX 32QSFP28 base platform (2) 3HE11886AA PS - 210 WBX -AC (FtoB) (5) 3HE11887AA FAN - 210 WBX Fan (FtoB) (1) 3HE14104AA ACC – Rail-kit (fits 19" RM and 21" OR Rack)	\$ 15,540.00	35%	\$ 10,101.00
3HE12200AA	SYS - 210 WBX 48SFP28 6QSFP28, DC system, Back to Front Includes; (1) 3HE11882AA SYS - 210 WBX 48SFP28 6QSFP28 base platform (2) 3HE11883AA PS - 210 WBX -48V DC (BtoF) (4) 3HE11888AA FAN - 210 WBX Fan (BtoF)	\$ 16,600.00	35%	\$ 10,790.00
3HE12201AA	SYS - 210 WBX 48SFP28 6QSFP28, DC System, FtoB (1) 3HE11882AA SYS - 210 WBX 48SFP28 6QSFP28 base platform (2) 3HE10837AA PS - 210 WBX, 7210 Sx 100G -48VDC (FtoB) (4) 3HE11887AA FAN - 210 WBX Fan Tray (FtoB)	\$ 16,600.00	35%	\$ 10,790.00
3HE12202AA	SYS - 210 WBX 48SFP28 6QSFP28, AC system, Back to Front Includes; (1) 3HE11882AA SYS - 210 WBX 48SFP28 6QSFP28 base platform (2) 3HE11885AA PS - 210 WBX AC (BtoF) (4) 3HE11888AA FAN - 210 WBX Fan (BtoF)	\$ 15,340.00	35%	\$ 9,971.00
3HE12203AA	SYS - 210 WBX 48SFP28 6QSFP28, AC System, FtoB (1) 3HE11882AA SYS - 210 WBX 48SFP28 6QSFP28 base platform (2) 3HE11886AA PS - 210 WBX AC (FtoB) (4) 3HE11887AA FAN - 210 WBX Fan Tray (FtoB)	\$ 15,340.00	35%	\$ 9,971.00
3HE12204AA	Nuage perpetual RTU License for 210 WBX (either 3HE11881 or 3HE11882 hardware model)	\$ 28,000.00	35%	\$ 18,200.00
3HE12229AA	1-port 100GBase LR4 QSFP28 Optics Module, 10km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM), -40/85C	\$ 40,000.00	35%	\$ 26,000.00
3HE12230AA	1-port 100GBase CWDM4 QSFP28 Optics Module, 2km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM), -40/85C	\$ 28,000.00	35%	\$ 18,200.00
3HE12293AA	Ideal for Outdoor GNSS installation. Includes 1 x 25 ft (7.6 m) LMR400 Coax cable, 1 x Coax grounding kit, 1 x surge protector (N-type Male to Female), 1 x surge protector grounding lug and 1 x GNSS Antenna ( 3HE12347AA) mount kit .	\$ 680.00	35%	\$ 442.00
3HE12293BA	Indoor/Outdoor GNSS installation kit, includes: (2) 25 ft (7.6 m) LMR400 Coax cables, (2) Coax grounding kits, (1) surge protector (N-type Female to Female) (1) surge protector grounding lug.	\$ 800.00	35%	\$ 520.00

3HE12293CA	Indoor/Outdoor GNSS installation kit includes (1) 100 ft (30.5 m) (1) 25 ft (7.6 m) LMR400 Coax cables, (2) Coax grounding kits, (1) surge protector (N-type Female to Female) (1) surge protector grounding lug.	\$ 1,000.00	35%	\$ 650.00
3HE12293DA	Indoor/Outdoor GNSS installation kit includes: (1) 300 ft (91.4 m) (1) 25 ft (7.6 m) LMR400 Coax cables, (4) Coax grounding kits, (1) surge protector (N-type Female to Female) (1) surge protector grounding lug.	\$ 1,750.00	35%	\$ 1,137.50
3HE12298AA	7750 SR-1 Integrated DC System, Core Router feature set, the 3HE12302AA - ACC - 7750 SR-1 DC Accessory Kit and a 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP are included with this item. Fan tray sold separately	\$ 255,000.00	35%	\$ 165,750.00
3HE12298BA	7750 SR-1 Integrated DC System, Edge Router Feature set, the 3HE12302AA - ACC - 7750 SR-1 DC Accessory Kit and a 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP are included with this item. Fan tray sold separately.	\$ 335,000.00	35%	\$ 217,750.00
3HE12298CA	7750 SR-1 Integrated DC System, High Scale Edge feature set, the 3HE12302AA - ACC - 7750 SR-1 DC Accessory Kit, and a 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP are included with this item. Fan tray sold separately.	\$ 415,000.00	35%	\$ 269,750.00
3HE12299AA	7750 SR-1 AC System, Core Router feature set, the 3HE12303AA - ACC - 7750 SR-1 AC Accessory kit and a 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP are included with this item. Fan tray sold separately	\$ 255,000.00	35%	\$ 165,750.00
3HE12299BA	7750 SR-1 AC System, Edge Router Feature set, the 3HE12303AA - ACC - 7750 SR-1 AC Accessory kit and a 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP are included with this item. Fan tray sold separately	\$ 335,000.00	35%	\$ 217,750.00
3HE12299CA	7750 SR-1 AC System, High Scale Edge feature set, the 3HE12303AA - ACC - 7750 SR-1 AC Accessory kit and a 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP are included with this item. Fan tray sold separately.	\$ 415,000.00	35%	\$ 269,750.00
3HE12300AA	7750 SR-1 Fan Tray	\$ 4,200.00	35%	\$ 2,730.00
3HE12301AA	7750 SR-1 AC Power Supply	\$ 4,500.00	35%	\$ 2,925.00
3HE12302AA	7750 SR-1 Accessory kit DC kit (Includes, wriststrap, grounding and power lugs, mounting hardware)	\$ 1,850.00	35%	\$ 1,202.50
3HE12303AA	7750 SR-1 Accessory kit AC kit (Includes, wriststrap, lugs, mounting hardware)	\$ 1,850.00	35%	\$ 1,202.50
3HE12304AA	7750 SR-1 Air filter mounting kit Qty 1-- Kit comes with one filter media included.	\$ 4,000.00	35%	\$ 2,600.00
3HE12305AA	7750 SR-1 Air filter media kit Qty 5	\$ 5,000.00	35%	\$ 3,250.00
3HE12311AA	7705 SAR-Hm outdoor enclosure. Pole/Wall mountable (bracket sold separately). IP66/IP67 rated. Includes 2 x 4.3-10 (F) bulkhead connectors/cables preinstalled. Supports another 2 x N-Type bulkhead terminations (sold separately). Can house 1 x 7705-SAR-Hm, 1 x HV-PS35.	\$ 1,000.00	35%	\$ 650.00
3HE12311BA	7705 SAR-Hm outdoor enclosure. Pole/Wall mountable (bracket sold separately). IP66/IP67 rated. Includes 2 x N-Type (F) bulkhead connectors/cables preinstalled. Supports another 2 x N-Type bulkhead terminations (sold separately). Can house 1 x 7705-SAR-Hm, 1 x HV-PS35.	\$ 1,000.00	35%	\$ 650.00
3HE12312AA	Pole/Wall Mounting bracket for the 7705 SAR-Hm/SAR-Hmc Enclosure (3HE12311AA, 3HE12311BA, 3HE12555BA). Includes hardware to attach to the enclosure. Pole/Wall mounting hardware are not supplied.	\$ 325.00	35%	\$ 211.25
3HE12313AA	7950 XRS-20/20e Switch Fabric Module-2 Stand Alone (SFM2-SA) - (Spare)	\$ 65,000.00	35%	\$ 42,250.00
3HE12314AA	7750 SR-7s CMA dual (Control Mechanical Adapter). Accepts (2) 7750 SR-s CPMs	\$ 17,000.00	35%	\$ 11,050.00
3HE12315AA	7750 SR-14s CMA (Control Mechanical Adapter). Accepts (2) 7750 SR-s CPMs	\$ 17,000.00	35%	\$ 11,050.00
3HE12318AA	CABLE,LMR240, SMA TO N-TYPE (FEMALE),1M	\$ 150.00	35%	\$ 97.50
3HE12321AA	7950 XRS-20e XCM2 (XMA Control Module). Provides 4.8T of Slot Switching Capacity. Accepts (2) XMA and/or C-XMAs.	\$ 95,000.00	35%	\$ 61,750.00
3HE12326AA	7750 SR-7s CMA single (Control Mechanical Adapter). Accepts (1) 7750 SR-s CPMs	\$ 12,500.00	35%	\$ 8,125.00
3HE12327AA	7950 XRS-20 XCM2 (XMA Control Module). Provides 3.2T of Slot Switching Capacity. Accepts (2) XMA and/or C-XMAs.	\$ 70,000.00	35%	\$ 45,500.00
3HE12328AA	7750 SR-14s/7s Power Shelf Accessory kit, this this accessory is required for all 7750 SR-14s/7s with a single LVDC power shelf, including the following components for the LVDC Power Shelf. (6) SCREW, 8-32 X .375 PHIL FLAT HD, 100DEG (20) SCREW 1/4-20 X 5/8 HEX (12) SCREW 8-32 X 3/8 HEX (1) BUS BAR ADAPTER NEG 1X (1) BUS BAR ADAPTER POS 1X (1) BRACKET RACK MT LVDC-R (1) BRACKET RACK MT LVDC-R L (1) BRACKET TIE POINT POWER SHELF L (1) BRACKET TIE POINT POWER SHELF R (1) BASE ASSY BB SHIELD LVDC (1) COVER ASSY BB SHIELD 1X	\$ 4,100.00	35%	\$ 2,665.00
3HE12329AA	7750 SR-14s/7s Dual LVDC Power Shelf Accessory kit, this this accessory is required for all 7750 SR-14s/7s with a two LVDC power shelf, including the following components for the LVDC Power Shelves. (1) CABLE ASSY RJ45 PLUG STR TO PLUG STR SHLD LSZH CAT6 BLK 3 FT (12) SCREW, 8-32 X .375 PHIL FLAT HD, 100DEG (32) SCREW 1/4-20 X 5/8 HEX (20) SCREW 8-32 X 3/8 HEX (2) BRACKET RACK MT LVDC-R (1) BUS BAR ADAPTER NEG (1) BUS BAR ADAPTER POS (2) BRACKET RACK MT LVDC-R L (1) BRACKET TIE POINT POWER SHELF L (1) BRACKET TIE POINT POWER SHELF R (2) BRACKET STRAP POWER SHELF (2) BASE ASSY BB SHIELD LVDC (1) COVER ASSY BB SHIELD	\$ 7,300.00	35%	\$ 4,745.00
3HE12330AA	7750 SR-12e Switch Fabric Module (SFM6-12e)	\$ 60,000.00	35%	\$ 39,000.00
3HE12331AA	7750 SR-12e mini- Switch Fabric Module (mini-SFM6-12e)	\$ 50,000.00	35%	\$ 32,500.00
3HE12332AA	7750 SR IOM5-e, 1x FP4 complex, performance restricted to 1.5T FD, accepts two (2) MDA-e-XP. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE12332xA - IOM - 7750 SR IOM5-e" licensed to 1.5T throughput.  Software scale upgradeable to ER or HE feature set.  <b>7750 SR-7/12-B</b> - licensed to 800G non-redundant throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP & 6pt QSFP-DD MDA-e-XP are not supported <b>7750 SR-12e</b> - licensed to 1.5T throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions	\$ 480,000.00	35%	\$ 312,000.00

3HE12332BA	7750 SR IOM5-e, 1x FP4 complex, performance restricted to 1.5T FD, accepts two (2) MDA-e-XP. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE12332xA - IOM - 7750 SR IOM5-e" licensed to 1.5T throughput.  Software scale upgradeable to HE feature set.  <b>7750 SR-7/12-B</b> - licensed to 800G non-redundant throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP & 6pt QSFP-DD MDA-e-XP are not supported <b>7750 SR-12e</b> - licensed to 1.5T throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions	\$ 560,000.00	35%	\$ 364,000.00
3HE12332CA	7750 SR IOM5-e, 1x FP4 complex, performance restricted to 1.5T FD, accepts two (2) MDA-e-XP. High-Scale Edge (HE) no restrictions on h/w queues or egress policers  Full High-Scale Edge feature set (HE) licenses on this part number does not restrict hardware queues or egress policers.  <b>7750 SR-7/12-B</b> - licensed to 800G non-redundant throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP & 6pt QSFP-DD MDA-e-XP are not supported <b>7750 SR-12e</b> - licensed to 1.5T throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions	\$ 640,000.00	35%	\$ 416,000.00
3HE12333AA	7750 SR 6-ports 10/40/100GBASE MDA-e-XP. Accepts six (6) 10/40/100GBase Optic Module QSFP+/QSFP28.	\$ 120,000.00	35%	\$ 78,000.00
3HE12334AA	7750 SR 12-ports 10/40/100GBASE MDA-e-XP. Accepts twelve (12) 10/40/100GBase Optic Module QSFP+/QSFP28.	\$ 240,000.00	35%	\$ 156,000.00
3HE12335AA	7750 SR SFM6-7/12 (Switch Fabric Module) for the 7750 SR-7 and 7750 SR-12 chassis.	\$ 60,000.00	35%	\$ 39,000.00
3HE12340AA	Chassis Spare - 7750 SR-2s chassis + LVDC Power Shelf. Includes; 7750 SR-2s Chassis + LVDC Power Shelf and accessory kit.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), Accessory kit for LVDC, Lug Kit and optional air filter kit	\$ 60,000.00	35%	\$ 39,000.00
3HE12340BA	Chassis Spare - 7750 SR-2s chassis + AC/HVDC Power Shelf. Includes; 7750 SR-2s Chassis + AC/HVDC Power Shelf and accessory kit.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), Power Cords and optional air filter kit	\$ 60,000.00	35%	\$ 39,000.00
3HE12343AA	Omni directional antenna. 30"Height x 1"Diameter (75 cm x 3 cm). 2dBi/3dBi gain for 694-960 MHz/1700-2700 MHz respectively. 2 x N-Female connectors for MIMO support. Suitable for outdoor deployments. U-bolt kit included for pipe mounting.	\$ 600.00	35%	\$ 390.00
3HE12344AA	Directional antenna.12"L x 12"W x 4.4"D (30.5 cm x 30.5 cm x 11.2 cm). 6dBi/8dBi gain for 698-960 MHz/1710-2700 MHz. 2 x N-Type female connectors for MIMO support. Suitable for outdoor deployments. Kit for pipe mounting included.	\$ 900.00	35%	\$ 585.00
3HE12345AA	Indoor WiFi Omni Directional Antenna. 3dBi gain for 2.4GHz/5.1~5.85GHz. Screw mount Dipole Antenna with RP-SMA male connector. Mounts directly to the 7705 SAR-Hm. (10 antennas per)	\$ 300.00	35%	\$ 195.00
3HE12346AA	Outdoor WiFi omni-directional antenna. 2 dBi gain for 2.4-2.5 GHz/4.9-5.9 GHz frequency range. Mounts directly to an N-Type bulk-head of the 7705 SAR-Hm enclosure (3HE12311AA/3HE12311BA). Can also be mounted to pole/wall with bracket (sold separately)	\$ 45.00	35%	\$ 29.25
3HE12347AA	Small GNSS antenna designed to mount directly on an N-Type bulk-head of the 7705 SAR-Hm enclosure (3HE12311AA). Can also be mounted to pole/wall with bracket (sold separately)	\$ 225.00	35%	\$ 146.25
3HE12349AA	N-Type bulkhead cap for the 7705 SAR-Hm enclosure (3HE12311AA/3HE12311BA). 10 per box.	\$ 225.00	35%	\$ 146.25
3HE12350AA	CABLE, LDF4-50A 1/2", N(MALE) TO N(MALE) LOOSE, 25FT	\$ 150.00	35%	\$ 97.50
3HE12350BA	CABLE, LDF4-50A 1/2", N(MALE) TO N(MALE) LOOSE, 50FT	\$ 325.00	35%	\$ 211.25
3HE12350CA	CABLE, LDF4-50A 1/2", N(MALE) TO N(MALE) LOOSE, 100FT	\$ 500.00	35%	\$ 325.00
3HE12351AA	CABLE, LDF4-50A 1/2", 4.3-10(MALE) TO 4.3-10(MALE) LOOSE, 25FT	\$ 175.00	35%	\$ 113.75
3HE12351BA	CABLE, LDF4-50A 1/2", 4.3-10(MALE) TO 4.3-10(MALE) LOOSE, 50FT	\$ 350.00	35%	\$ 227.50
3HE12351CA	CABLE, LDF4-50A 1/2", 4.3-10(MALE) TO 4.3-10(MALE) LOOSE, 100FT	\$ 525.00	35%	\$ 341.25
3HE12353AA	1/2" RF coax grounding kit (includes grounding clamp and cable; butyl rubber tape; PVC tape)	\$ 200.00	35%	\$ 130.00
3HE12354AA	LTE Surge Protector (4.3-10/male - 4.3-10/female) (for Outdoor enclosure)	\$ 825.00	35%	\$ 536.25
3HE12355AA	LTE Surge Protector (N/female - N/female) (for Indoor/ Outdoor applications)	\$ 625.00	35%	\$ 406.25
3HE12356AA	LTE Surge Protector (N/male - N/female) (for Outdoor enclosure)	\$ 625.00	35%	\$ 406.25
3HE12358AA	7750 SR-14s/7s Single AC/HVDC Power Shelf Accessory kit, this this accessory is required for all 7750 SR-14s/7s with a single AC/HVDC power shelf, including the following components for the AC/HVDC Power Shelf.  (6) SCREW, 8-32 X .375 PHIL FLAT HD (20) SCREW 1/4-20 X 5/8 HEX HD (12) SCREW 8-32 X 3/8 HEX HD (1) BUS BAR ADAPTER NEG (1) BUS BAR ADAPTER POS (1) BRACKET RACK MT HVDC/AC-R R (1) BRACKET RACK MT HVDC/AC-R L (1) BRACKET TIE POINT POWER SHELF L (1) BRACKET TIE POINT POWER SHELF R (1) COVER ASSY BB SHIELD (1) BASE ASSY BB SHIELD HVDC/AC	\$ 4,300.00	35%	\$ 2,795.00
3HE12359AA	7750 SR-14s/7s Dual AC/HVDC Power Shelf Accessory kit, this this accessory is required for all 7750 SR-14s/7s with a two AC/HVDC power shelf, including the following components for the AC/HVDC Power Shelves.  (1) CABLE ASSY RJ45 PLUG STR TO PLUG STR SHLD LSZH CAT6 BLK 3 FT (12) SCREW, 8-32 X .375 PHIL FLAT HD (32) SCREW 1/4-20 X 5/8 HEX HD (20) SCREW 8-32 X 3/8 HEX HD (1) BUS BAR ADAPTER NEG (1) BUS BAR ADAPTER POS (2) BRACKET RACK MT HVDC/AC-R R (2) BRACKET RACK MT HVDC/AC-R L (1) BRACKET TIE POINT POWER SHELF L (1) BRACKET TIE POINT POWER SHELF R (2) BRACKET STRAP POWER SHELF (1) COVER ASSY BB SHIELD HVDC/AC (2) BASE ASSY BB SHIELD HVDC/AC	\$ 7,300.00	35%	\$ 4,745.00

3HE12360AA	<p>7750 SR-14s/7s LVDC+ AC/HVDC Power Shelf Accessory kit, this this accessory is required for all 7750 SR-14s/7s with both a LVDC and an AC/HVDC power shelf, including the following components for the Power Shelves.</p> <p>(1) CABLE ASSY RJ45 PLUG STR TO PLUG STR SHLD LSZH CAT6 BLK 3 FT  (12) SCREW, 8-32 X .375 PHIL FLAT HD  (32) SCREW 1/4-20 X 5/8 HEX HD  (20) SCREW 8-32 X 3/8 HEX HD  (1) BRACKET RACK MT LVDC-R  (1) BUS BAR ADAPTER NEG  (1) BUS BAR ADAPTER POS  (1) BRACKET RACK MT HVDC/AC-R R  (1) BRACKET RACK MT LVDC-R L  (1) BRACKET RACK MT HVDC/AC-R L  (1) BRACKET TIE POINT POWER SHELF L  (1) BRACKET TIE POINT POWER SHELF R  (2) BRACKET STRAP POWER SHELF  (1) BASE ASSY BB SHIELD LVDC  (1) COVER ASSY BB SHIELD  (1) BASE ASSY BB SHIELD HVDC/AC</p>	\$ 7,400.00	35%	\$ 4,810.00
3HE12371AA	Screw mount dipole omni directional antenna with SMA (Male) connector. 698MHz to 960MHz, 1710MHz to 2690MHz. Mounts directly to the 7705 SAR-Hm. (10 antennas per)	\$ 365.00	35%	\$ 237.25
3HE12375AB	FAN - 7750 SR-2s Fan Module	\$ 7,000.00	35%	\$ 4,550.00
3HE12376AA	7750 SR-1s Fan Tray spare	\$ 3,000.00	35%	\$ 1,950.00
3HE12378AA	7750 SR-7s XCM Impedance Panel, must be installed in each and every empty XCM-s slot.	\$ 5,500.00	35%	\$ 3,575.00
3HE12379AA	<p>7750 SR-2s XCM (XMA Control Module). Provides up to 4.8Tb of slot switching capacity. Accepts (1) 7750 SR-s XMA.</p> <p>Important Rules;  - Using the 2, 3, or 4-complex XMA-s requires both XCM-2s cards for 100% line-rate traffic on all ports simultaneously.  - If using IOM-s-1.5T or IOM-s-3.0T only a single XCM-2s is required for 100% line-rate traffic.</p>	\$ 70,000.00	35%	\$ 45,500.00
3HE12382AA	7250 IXR-6 Gen 2 Switch Fabric Module (SFM2-IXR-6) - (Spare)	\$ 25,000.00	35%	\$ 16,250.00
3HE12384AA	7250 IXR-R6 Accessory Kit Includes: Mounting Hardware, Wrist Strap, 5' Null Cable DB9F - RJ45	\$ 100.00	35%	\$ 65.00
3HE12388AA	<p>7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This card is based off "3HE11307xA - XMA - SR-s 2.4T 36pt QSFP28 to 3.6T" licensed to 2.4T throughput and 24-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance upgradeable from 2.4T or 3.6T intelligent fan-in/fan-out.</p>	\$ 800,000.00	35%	\$ 520,000.00
3HE12388BA	<p>7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE11307xA - XMA - SR-s 2.4T 36pt QSFP28 to 3.6T" licensed to 2.4T throughput and 24-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  Hardware performance upgradeable from 2.4T or 3.6T intelligent fan-in/fan-out.</p>	\$ 960,000.00	35%	\$ 624,000.00
3HE12388CA	<p>7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This card is based off "3HE11307xA - XMA - SR-s 2.4T 36pt QSFP28 to 3.6T" licensed to 2.4T throughput and 24-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  Hardware performance upgradeable from 2.4T or 3.6T intelligent fan-in/fan-out.</p>	\$ 1,120,000.00	35%	\$ 728,000.00
3HE12389AA	<p>7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</p>	\$ 960,000.00	35%	\$ 624,000.00
3HE12389BA	<p>7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</p>	\$ 1,200,000.00	35%	\$ 780,000.00

3HE12389CA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 3.6T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,440,000.00	35%	\$ 936,000.00
3HE12390AA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,080,000.00	35%	\$ 702,000.00
3HE12390BA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,320,000.00	35%	\$ 858,000.00
3HE12390CA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 3.6T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,560,000.00	35%	\$ 1,014,000.00
3HE12391AA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP56-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 4.8T throughput and 36-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable to 12T intelligent fan-in/fan-out.	\$ 1,440,000.00	35%	\$ 936,000.00
3HE12391BA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP56-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 4.8T throughput and 36-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable to 12T intelligent fan-in/fan-out.	\$ 1,760,000.00	35%	\$ 1,144,000.00
3HE12391CA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP56-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE12392xA - XMA - SR-s 4.8T 36pt QSFP-DD to 12T" licensed to 4.8T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable to 12T intelligent fan-in/fan-out.	\$ 2,080,000.00	35%	\$ 1,352,000.00
3HE12392AA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP56-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Full High-Scale Edge feature set. Hardware performance up to 12T intelligent fan-in/fan-out.	\$ 1,600,000.00	35%	\$ 1,040,000.00
3HE12392BA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP56-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Full Edge Router feature set. Hardware performance up to 12T intelligent fan-in/fan-out.	\$ 1,920,000.00	35%	\$ 1,248,000.00
3HE12392CA	7750 SR-s XMA (Expandable Media Adapter), 4x FP4 complex, performance 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP56-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set. Hardware performance up to 12T intelligent fan-in/fan-out.	\$ 2,240,000.00	35%	\$ 1,456,000.00
3HE12395AA	7750 SR-7s Accessory Kit, this kit includes the following:  (2) CABLE ASSY RJ45 PLUG STR TO PLUG STR SHLD LSZH CAT6 BLK 5 FT (2) NUT 1/4-20 (1) CONN, LUG,#2 AWG WIRE, 1/4" BOLT HOLES, .625" SPACING, 0.5" TONGUE, DOUBLE-CRIMP, 90 DEG (1) WRIST STRAP (1) 3HE12566AA ACC - SR-s CLEANING TOOL, HONEYCOMB	\$ 950.00	35%	\$ 617.50
3HE12407AA	7750 SR 2-ports 10/25/40/100GBASE MDA-e. Accepts two (2) QSFP+/QSFP28 100GBase Optic Module, supports MACsec.	\$ 255,000.00	35%	\$ 165,750.00

3HE12409AA	DTE cable to connect from the 12 port SDiv3 (3HE03391AC) or SDiv3 conformal coated version (3HE03391BC) to the distribution panels (SCSI-SCSI). One cable per pair of connectors on the SDiv3 as required (connect upto 4 ports).	\$ 700.00	35%	\$ 455.00
3HE12410AA	DCE cable to connect from the 12 port SDiv3 (3HE03391AC) or SDiv3 conformal coated version (3HE03391BC) to the distribution panels (SCSI-SCSI). One cable per pair of connectors on the SDiv3 as required (connect upto 4 ports).	\$ 700.00	35%	\$ 455.00
3HE12421AA	Replacement air filters kit (qty 10) for 10 x SR-7s chassis or for 5 x 14s chassis (2 per chassis) worth	\$ 4,600.00	35%	\$ 2,990.00
3HE12432AA	Accessory Kit - 7750 SR-1 ETSI rack mount kit	\$ 1,200.00	35%	\$ 780.00
3HE12433AA	6 port ( 2 x 10G SFP+, 4 x 1G – SFP) Ethernet 10Gbps card. Optics ( SFP, SFP+ ) are sold separately. This card is supported in both -48 VDC and +24 VDC systems. No Encryption.	\$ 14,700.00	35%	\$ 9,555.00
3HE12433BA	Conformal Coated Variant of 6 port ( 2 x 10G SFP+, 4 x 1G – SFP) Ethernet 10Gbps card. Optics ( SFP, SFP+ ) are sold separately. This card is supported in both -48 VDC and +24 VDC systems. No Encryption.	\$ 16,000.00	35%	\$ 10,400.00
3HE12434AA	This kit includes everything required for GNSS installation kit (3HE12293AA, 3HE12293BA, 3HE12293CA, 3HE12293DA) customization. Cutter, crimper, stripper & midspan stripper included.	\$ 2,500.00	35%	\$ 1,625.00
3HE12442AA	4-Port RS232 Distribution Panel for the SDiv3	\$ 1,700.00	35%	\$ 1,105.00
3HE12443AA	4-Port RS530 Distribution Panel for the SDiv3	\$ 2,100.00	35%	\$ 1,365.00
3HE12444AA	4-Port X.21 Distribution Panel for the SDiv3	\$ 2,500.00	35%	\$ 1,625.00
3HE12445AA	4-Port V.35 Distribution Panel for the SDiv3	\$ 5,000.00	35%	\$ 3,250.00
3HE12446AA	7250 IXR-10 Gen2 Switch Fabric Module (SFM2-IXR-10) - (Spare)	\$ 50,000.00	35%	\$ 32,500.00
3HE12449AA	Jumper cable for WiFi port of the 7705 SAR-Hm enclosure (3HE12311AA/3HE12311BA). 10 per box.	\$ 700.00	35%	\$ 455.00
3HE12450AA	Jumper cable for GNSS port of the 7705 SAR-Hm enclosure (3HE12311AA/3HE12311BA). 10 per box.	\$ 700.00	35%	\$ 455.00
3HE12451AA	LDF4 1/2" cable strip tool	\$ 225.00	35%	\$ 146.25
3HE12458AA	7250 IXR Control Processor Module (CPM2-IXR SSD) with 240 GB SSD - (Spare)	\$ 40,000.00	35%	\$ 26,000.00
3HE12459AA	7750 SR-14s air filter door kit, this is an optional kit for customers to deploy with an air filter door for the 7750 SR-14s, this kit includes the following; (1) GROUND STRAP, FILTER DOOR, RA-7/14S (1) Left upright assembly-with wrapper, filter door kit (1) Right upright assembly-with wrapper, filter door kit (1) Cross Bar assembly top (1) Cross Bar assembly bottom (1) Air filter door (4) Alignment pins (16) 6-32 x 1/2 screws (8) 6-32 x 1/4 screws (2) Air intake filters (4) 10-32 x 3/8 screws	\$ 42,000.00	35%	\$ 27,300.00
3HE12460AA	7750 SR-7s air filter door kit, this is an optional kit for customers to deploy with an air filter door for the 7750 SR-7s, this kit includes the following; (1) GROUND STRAP, FILTER DOOR, RA-7/14S (1) Left upright assembly-with wrapper, filter door kit (1) Right upright assembly-with wrapper, filter door kit (1) Cross Bar assembly top (1) Cross Bar assembly bottom (1) Air filter door (4) Alignment pins (12) 6-32 x 1/2 screws (4) 6-32 x 1/4 screws Phil (4) 6-32 x 1/4 screws Flat (4) 10-32 x 3/8 screws (1) Air intake filter	\$ 37,500.00	35%	\$ 24,375.00
3HE12462AA	Spare SD card (16GB). -40 to 85C, SLC.	\$ 800.00	35%	\$ 520.00
3HE12464AA	Power jumper designed for the 7250 IXR-R6, mountable to frame or other suitable location	\$ 825.00	35%	\$ 536.25
3HE12464BA	Power jumper designed for the 7250 IXR-R6, with 1RU rack mount bracket	\$ 900.00	35%	\$ 585.00
3HE12469AA	7750 SR-14s/7s Qty 1 LVDC Power Shelf lug kit, this kit is required for all 7750 SR-14s/7s systems in which are power by LVDC Power Shelves, includes the following; (40) NUT 1/4-20 (20) CONN, LUG,#2 AWG WIRE, 1/4" BOLT HOLES, .625" SPACING, 0.5" TONGUE, DOUBLE-CRIMP, 90 DEG	\$ 1,500.00	35%	\$ 975.00
3HE12470AA	7750 SR-14s Rear Chassis Rackmount kit, includes the following; (4) SCREW 8-32 X 3/8 HEX HD (2) BRACKET ASSY RACK MT REAR	\$ 1,650.00	35%	\$ 1,072.50
3HE12471AA	7750 SR-7s Rear Chassis Rackmount kit, includes the following; (4) SCREW 8-32 X 3/8 HEX HD (2) BRACKET ASSY, RACK MOUNT, REAR 7s	\$ 1,675.00	35%	\$ 1,088.75
3HE12472AA	7705 SAR-Hmc with 9-60V DC power feed and covering NAR LTE frequencies, including the CBR5 band. System supports LTE Cat4 connectivity with Main and diversity, and a GNSS input for location. Supports 3 x 10/100 Mbps RJ45 and 2 x RS232 in a single RJ45. Can be DIN/panel/wall/shelf mounted, and includes DIN Rail mounting clip. Antennas, mounting hardware, OS and other RTU licenses are sold separately.	\$ 1,900.00	35%	\$ 1,235.00
3HE12474AA	7705 SAR-Hmc with 9-60V DC power feed and covering EMEA and CALA LTE frequencies, including bands 31 & 72. System supports LTE Cat4 connectivity with Main and diversity, and a GNSS input for location. Supports 3 x 10/100 Mbps RJ45 and 2 x RS232 in a single RJ45. Can be DIN/panel/wall/shelf mounted, and includes DIN Rail mounting clip. Antennas, mounting hardware, OS and other RTU licenses are sold separately.	\$ 2,300.00	35%	\$ 1,495.00
3HE12475AA	7705 SAR-Hmc with 9-60V DC power feed and covering EMEA and CALA LTE frequencies, including band 87. System supports LTE Cat4 connectivity with Main and diversity, and a GNSS input for location. Supports 3 x 10/100 Mbps RJ45 and 2 x RS232 in a single RJ45. Can be DIN/panel/wall/shelf mounted, and includes DIN Rail mounting clip. Antennas, mounting hardware, OS and other RTU licenses are sold separately.	\$ 2,300.00	35%	\$ 1,495.00
3HE12492AA	APEQ-AC-4400 Advanced Power Equalizer Module. Accepts two redundant feeds	\$ 10,000.00	35%	\$ 6,500.00
3HE12496AA	2RU kit to convert the 7250 IXR-R6 airflow from right-to-left to front-to-back. Note that this may derate the maximum supported ambient temperatures on the 7250 IXR-R6.	\$ 1,200.00	35%	\$ 780.00
3HE12501AA	7250 IXR-R4 Chassis. 4 MDA slots, 2 CPM slots, 1 IOM slot, 1 Fan tray slot and 1 fan filter slot. No fan tray and impedance panels included.	\$ 6,000.00	35%	\$ 3,900.00
3HE12502AA	7250 IXR-R4 fan tray. One per 7250 IXR-R4 system required	\$ 1,400.00	35%	\$ 910.00
3HE12503AA	7250 IXR-R4 fan filter: 5-pack	\$ 1,000.00	35%	\$ 650.00
3HE12504AA	8-Port C37.94 Teleprotection Card. Supports multi- and single-mode C37.94 optics.Optics sold separately.	\$ 7,750.00	35%	\$ 5,037.50
3HE12504BA	Conformal coated 8-Port C37.94 Teleprotection Card. Supports multi- and single-mode C37.94 optics. Optics sold separately.	\$ 9,750.00	35%	\$ 6,337.50
3HE12506AA	7750 SR-2s Rear Mounting Hardware Kit	\$ 1,850.00	35%	\$ 1,202.50
3HE12507AA	7750 SR-1s Rear Mounting Hardware Kit	\$ 2,000.00	35%	\$ 1,300.00
3HE12508AA	APEQ-HVDC-4400 High Voltage DC Advanced Power Equalizer Module. Accepts two redundant feeds	\$ 13,700.00	35%	\$ 8,905.00

3HE12510AA	7750 SR-s IOM-s (Input/Output Module) 1.6T IOM-s Core Routing, accepts two modular MDA-s, 2x FP4 complex, CR (Core Router) feature set. MDA-s impedance panels needs to be added separately. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE14027xA - XMA - IOM-s - SR-s IOM-s 3.0T"  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T to 3.0T.	\$ 533,333.33	35%	\$ 346,666.67
3HE12510BA	7750 SR-s IOM-s (Input/Output Module) 1.6T IOM-s Edge Routing, accepts two modular MDA-s, 2x FP4 complex, ER (Edge Router) feature set. MDA-s impedance panels needs to be added separately. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE14027xA - XMA - IOM-s - SR-s IOM-s 3.0T"  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T to 3.0T.	\$ 640,000.00	35%	\$ 416,000.00
3HE12510CA	7750 SR-s IOM-s (Input/Output Module) 1.6T IOM-s High-Scale Edge Routing, accepts two modular MDA-s, 2x FP4 complex, HE (High-Scale Edge) feature set. MDA-s impedance panels needs to be added separately. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE14027xA - XMA - IOM-s - SR-s IOM-s 3.0T"  Full High-Scale Edge feature set Hardware performance upgradeable from 2.4T or 3.0T.	\$ 746,666.67	35%	\$ 485,333.33
3HE12511AA	7750 SR-s 18-ports 10/40/100GBASE MDA-s. Accepts (18) 10/40/100GBase Optic Module QSFP+/QSFP28.	\$ 345,000.00	35%	\$ 224,250.00
3HE12512AA	7750 SR-s 6-port CFP2-DCO MDA-s. 100 Gbps transmission using QPSK modulation for metro-core and long-haul applications and 200 Gbps (2x100G) for metro-access applications. Accepts six (6) CFP-DCO Optic Module.	\$ 335,000.00	35%	\$ 217,750.00
3HE12513AA	7750 SR-s 16-ports SFP-DD (10/25/100G) + 4-ports QSFP28 (10/40/100G) MDA-s. Accepts (16) 10/25/100GBase Optic Module SFP+/SFP28/SFP-DD + (4) 10/40/100GBase Optic Module QSFP+/QSFP28.	\$ 335,000.00	35%	\$ 217,750.00
3HE12514AA	7750 SR-s 24-ports 10/100GBASE MDA-s. Accepts (24) 10/100GBase Optic Module SFP+/SFP-DD.	\$ 345,000.00	35%	\$ 224,250.00
3HE12515AA	7750 SR-s 4-ports QSFP56-DD (10/40/100/400G) + 4-ports QSFP28 (10/40/100G) MDA-s. Accepts (4) 10/40/100/400GBase Optic Module QSFP+/QSFP28/QSFP28-DD/QSFP56-DD + 4-ports QSFP+/QSFP28.	\$ 335,000.00	35%	\$ 217,750.00
3HE12518AA	7250 IXR-R6 4 x 10GE SFP+ + 1 x100GE CFP2 MDA. Pluggables sold separately.	\$ 22,000.00	35%	\$ 14,300.00
3HE12519AA	ACC – 7750 SR-2s Air Filter Kit Qty 1  <b>The Filter kit is highly recommend for every installation and therefore, should be order with each system</b>	\$ 3,800.00	35%	\$ 2,470.00
3HE12520AA	Multi-mode LC-to-ST connectors for the 8-port C37.94 Teleprotection Card (3HE12504AA/3HE12504BA). Pack of 5 cables.	\$ 1,100.00	35%	\$ 715.00
3HE12522AA	7250 IXR-6/10 Gen2 IMM supporting 32-port 100 GE QSFP28 + 4-port 400GE QSFP-DD. Pluggables sold separately.	\$ 450,000.00	35%	\$ 292,500.00
3HE12523AA	7250 IXR-R6 6 x 10GE SFP+ + 4 x 25GE SFP28 MDA. Pluggables sold separately.	\$ 22,000.00	35%	\$ 14,300.00
3HE12524AA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance restricted to 600G FD, port restricted to 6-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE12526xA - XMA - SR-s 1.2T 18pt QSFP28" licensed to 600G throughput and 6-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 0.6T to 1.2T or 1.8T intelligent fan-in/fan-out.	\$ 200,000.00	35%	\$ 130,000.00
3HE12524BA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance restricted to 600G FD, port restricted to 6-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE12526xA - XMA - SR-s 1.2T 18pt QSFP28" licensed to 600G throughput and 6-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 0.6T to 1.2T or 1.8T intelligent fan-in/fan-out.	\$ 240,000.00	35%	\$ 156,000.00
3HE12524CA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance restricted to 600G FD, port restricted to 6-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE12526xA - XMA - SR-s 1.2T 18pt QSFP28" licensed to 600G throughput and 6-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 0.6T to 1.2T or 1.8T intelligent fan-in/fan-out.	\$ 280,000.00	35%	\$ 182,000.00
3HE12525AA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance restricted to 1.2T FD, port restricted to 12-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE12526xA - XMA - SR-s 1.2T 18pt QSFP28" licensed to 1.2T throughput and 12-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.2T or 1.8T intelligent fan-in/fan-out.	\$ 400,000.00	35%	\$ 260,000.00
3HE12525BA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance restricted to 1.2T FD, port restricted to 12-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE12526xA - XMA - SR-s 1.2T 18pt QSFP28" licensed to 1.2T throughput and 12-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 1.2T or 1.8T intelligent fan-in/fan-out.	\$ 480,000.00	35%	\$ 312,000.00

3HE12525CA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance restricted to 1.2T FD, port restricted to 12-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE12526xA - XMA - SR-s 1.2T 18pt QSFP28" licensed to 1.2T throughput and 12-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 1.2T or 1.8T intelligent fan-in/fan-out.	\$ 560,000.00	35%	\$ 364,000.00
3HE12526AA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance to 1.2T FD, Aggregation mode up to 18-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Software scale upgradeable to ER or HE feature set. Hardware performance up to 1.8T intelligent fan-in/fan-out	\$ 440,000.00	35%	\$ 286,000.00
3HE12526BA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance to 1.2T FD, Aggregation mode up to 18-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Software scale upgradeable to HE feature set. Hardware performance up to 1.8T intelligent fan-in/fan-out.	\$ 520,000.00	35%	\$ 338,000.00
3HE12526CA	7750 SR-s XMA (Expandable Media Adapter), 1x FP4 complex, performance to 1.2T FD, Aggregation mode up to 18-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set. Hardware performance up to 1.8T intelligent fan-in/fan-out.	\$ 600,000.00	35%	\$ 390,000.00
3HE12528AA	7750 SR-2s XCM-2s IMPEDANCE PANEL Kit which includes the 3HE11309AA XMA-s impedance panel	\$ 9,000.00	35%	\$ 5,850.00
3HE12529AA	7750 SR-2s CPM-2s IMPEDANCE PANEL	\$ 3,500.00	35%	\$ 2,275.00
3HE12546AA	1-port C37.94 SR Multimode Fiber (MMF), 2km, 850 nm, LC Connector, RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 850.00	35%	\$ 552.50
3HE12547AA	1-port C37.94 SR Single mode Fiber (SMF), 20km, 1310 nm, LC Connector, RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 850.00	35%	\$ 552.50
3HE12549AA	7250 IXR-R4 CPM. Two required per system for control redundancy.	\$ 7,000.00	35%	\$ 4,550.00
3HE12550AA	7250 IXR-R4 IOM. One required per system. Supports 2 x 10GE SFP+/SFP and 10 x 1GE SFP ports. Pluggables sold separately.	\$ 20,000.00	35%	\$ 13,000.00
3HE12551AA	7250 IXR-R4 Accessory Kit Includes: Mounting Hardware, Wrist Strap, 5' Null Cable DB9F - RJ45	\$ 100.00	35%	\$ 65.00
3HE12554AA	7705 SAR-Hmc 1-to-2 RJ45 serial Y-cable. 5 per pack.	\$ 550.00	35%	\$ 357.50
3HE12555BA	7705 SAR-Hmc outdoor enclosure. Pole/Wall mountable (bracket sold separately). IP66/IP67 rated. Includes 2 x N-Type (F) bulkhead connectors/cables preinstalled. Supports another 2 x N-Type bulkhead terminations (sold separately). Can house 1 x 7705-SAR-Hmc, 1 x HV-PS35.	\$ 1,000.00	35%	\$ 650.00
3HE12559AA	CPM2-14s/7s (Control Processor Module) for the 7750 SR-14s & 7s platforms. Supported in the CMA2-14s (3HE12561AA) and CMA2-7s (3HE12560AA)	\$ 135,000.00	35%	\$ 87,750.00
3HE12560AA	7750 SR-s CMA2-7s (Control Mechanical Adapter). Accepts (2) 7750 SR-s CPMs-14s/7s (3HE12559AA)	\$ 22,000.00	35%	\$ 14,300.00
3HE12561AA	7750 SR-s CMA2-14s (Control Mechanical Adapter). Accepts (2) 7750 SR-s CPMs-14s/7s (3HE12559AA)	\$ 26,000.00	35%	\$ 16,900.00
3HE12562AA	AC Power cable blunt cut with SAF-D-GRID 300 (Key C) T Latch 4.0mm2 gauge, 3m for rest of world applications	\$ 700.00	35%	\$ 455.00
3HE12565AA	7250 IXR-6 SRLinux System License 19.x – one per system	\$ 25,000.00	35%	\$ 16,250.00
3HE12566AA	Spare Accessory kit for the 7750 SR-s Cleaning tool, honeycomb. With 6 tape-stacks for cleaning up to 288 vents.	\$ 350.00	35%	\$ 227.50
3HE12570AA	Spare Accessory kit for the 7750 SR-1 Cleaning tool, honeycomb. With 6 tape-stacks for cleaning up to 288 vents.	\$ 350.00	35%	\$ 227.50
3HE13304DA	Nuage System Center Integration - RTU per Microsoft System Center. License to use Nuage VSP with Microsoft System Center. One integration license required per System Center installation. Nuage System Center Integration provides: • VRS integration for activation of Hyper-V VMs into Nuage Networks • VRS Integration as a Hyper-V Virtual Switch extension on each Hyper-V Hypervisor • User Add-In on SCVMM in order to ease the provisioning of the Nuage parameters on the Hyper-V VMs One integration license required per vCenter Instance. Nuage VMware vSphere Integration Provides: • VRS integration for activation of ESXi VMs into Nuage Networks • VRS Integration as an Agent on each ESXi Hypervisor (vSphere Solution) • Deployment Toolbox for easy provisioning and deployment of each VRS Agent • User Plugin on vCenter Client in order to ease the provisioning of the Nuage parameter on the Nuage VMs	\$ 19,995.00	35%	\$ 12,996.75
3HE13305DA	Nuage System Center Integration - Annual RTU license per Microsoft System Center. License to use Nuage VSP with Microsoft System Center. One integration license required per System Center installation. Nuage System Center Integration provides: • VRS integration for activation of Hyper-V VMs into Nuage Networks • VRS Integration as a Hyper-V Virtual Switch extension on each Hyper-V Hypervisor • User Add-In on SCVMM in order to ease the provisioning of the Nuage parameters on the Hyper-V VMs	\$ 5,995.00	35%	\$ 3,896.75
3HE13306DA	Accelerated VRS license for a bandwidth of 10Gbps	\$ 7,995.00	35%	\$ 5,196.75
3HE13307DA	Accelerated VRS-G license for a bandwidth of 10Gbps	\$ 7,995.00	35%	\$ 5,196.75
3HE13308DA	Accelerated VRS license for a bandwidth of 25Gbps	\$ 15,995.00	35%	\$ 10,396.75
3HE13309DA	Accelerated VRS-G license for a bandwidth of 25Gbps	\$ 15,995.00	35%	\$ 10,396.75
3HE13310DA	Accelerated VRS license for a bandwidth of 40Gbps with any combination of 10G, 40G NICs	\$ 23,995.00	35%	\$ 15,596.75
3HE13311DA	Accelerated VRS-G license for a bandwidth of 40Gbps with any combination of 10G, 40G NICs	\$ 23,995.00	35%	\$ 15,596.75
3HE13312DA	Accelerated VRS license for a bandwidth of 100Gbps with any combination of with 10G, 25G, 40G, 100G NICs	\$ 47,995.00	35%	\$ 31,196.75
3HE13313DA	Accelerated VRS-G license for a bandwidth of 100Gbps with any combination of with 10G, 25G, 40G, 100G NICs	\$ 47,995.00	35%	\$ 31,196.75
3HE13314DA	Accelerated VRS Annual RTU license for a bandwidth of 10Gbps	\$ 3,295.00	35%	\$ 2,141.75
3HE13315DA	Accelerated VRS-G Annual RTU license for a bandwidth of 10Gbps	\$ 3,295.00	35%	\$ 2,141.75
3HE13316DA	Accelerated VRS Annual RTU license for a bandwidth of 25Gbps	\$ 6,595.00	35%	\$ 4,286.75
3HE13317DA	Accelerated VRS-G Annual RTU license for a bandwidth of 25Gbps	\$ 6,595.00	35%	\$ 4,286.75
3HE13318DA	Accelerated VRS Annual RTU license for a bandwidth of 40Gbps with any combination of 10G, 40G NICs	\$ 9,895.00	35%	\$ 6,431.75
3HE13319DA	Accelerated VRS-G Annual RTU license for a bandwidth of 40Gbps with any combination of 10G, 40G NICs	\$ 9,895.00	35%	\$ 6,431.75
3HE13320DA	Accelerated VRS Annual RTU license for a bandwidth of 100Gbps with any combination of with 10G, 25G, 40G, 100G NICs	\$ 19,695.00	35%	\$ 12,801.75
3HE13321DA	Accelerated VRS-G Annual RTU license for a bandwidth of 100Gbps with any combination of with 10G, 25G, 40G, 100G NICs	\$ 19,695.00	35%	\$ 12,801.75
3HE13326DA	Nuage Hardware VxLAN VTEP license to enable non-virtualized assets to participate in the network overlay. This license enables up to 128x25GE ports to be connected offering L2, L3, QoS, ACL features when supported by the hardware device. This license is applicable on a single switch basis and applies to 210 WBX as well as 3rd party VTEPs.	\$ 14,995.00	35%	\$ 9,746.75



3HE13327DA	Nuage Hardware VxLAN VTEP Annual RTU license to enable non-virtualized assets to participate in the network overlay. This license enables up to 128x25GE ports to be connected offering L2, L3, QoS, ACL features when supported by the hardware device. This license is applicable on a single switch basis and applies to 210 WBX as well as 3rd party VTEPs. This allows access to the latest version and automatic updates.	\$ 6,195.00	35%	\$ 4,026.75
3HE13328DA	Nuage Virtual Routing and Switching Software Gateway License per server (up to 4x25GigE interface). Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 11,995.00	35%	\$ 7,796.75
3HE13329DA	Nuage Virtual Routing and Switching Software License per server (up to 4x25GigE interface) with KVM. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 11,995.00	35%	\$ 7,796.75
3HE13330DA	Nuage Virtual Routing and Switching Software License per server (up to 4x25GigE interface) with VMware ESXi. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 11,995.00	35%	\$ 7,796.75
3HE13331DA	Nuage Virtual Routing and Switching License for one (1) Linux Bare Metal server with up to 4x25GigE interface. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 11,995.00	35%	\$ 7,796.75
3HE13334DA	Nuage Virtual Routing and Switching Software Gateway Annual RTU License per server (up to 4x25GigE interface). Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine). This allows access to the latest version and automatic updates.	\$ 4,995.00	35%	\$ 3,246.75
3HE13335DA	Nuage Virtual Routing and Switching Annual RTU License per server (up to 4x25GigE interface) with VMware ESXi. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine). This allows access to the latest version and automatic updates.	\$ 6,895.00	35%	\$ 4,481.75
3HE13336DA	Nuage Virtual Routing and Switching Annual RTU License per server (up to 4x25GigE interface) with KVM. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine). This allows access to the latest version and automatic updates.	\$ 4,995.00	35%	\$ 3,246.75
3HE13339DA	Nuage Virtual Routing and Switching Annual RTU License for one (1) Linux Bare Metal server with up to 4x25GigE interface. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 4,995.00	35%	\$ 3,246.75
3HE13343AA	SYS - 7250 IXR-s	\$ 119,000.00	35%	\$ 77,350.00
3HE13344AA	PS - 7250 IXR AC Power Supply, fits the 7250 IXR-s system.	\$ 1,320.00	35%	\$ 858.00
3HE13345AA	PS - 7250 IXR DC Power Supply, fits the IXR-s system	\$ 1,320.00	35%	\$ 858.00
3HE13346AA	Fan - 7250 IXR Fan, fits the 7250 IXR-s system	\$ 440.00	35%	\$ 286.00
3HE13360AA	IOM4-e/-B RTU License Upgrade from L2HQ to L3HQ for IOM4-e/-B IMM. RTU license upgrade is tied to the specific IOM4-e/-B line card for which it is purchased. Customers are required to provide the serial number of the IOM4-e/-B line card for which the RTU license is being purchased.	\$ 185,000.00	35%	\$ 120,250.00
3HE13361AA	IOM4-e/-B RTU License Upgrade from L3BQ to L3HQ for IOM4-e/-B. RTU license upgrade is tied to the specific IOM4-e/-B line card for which it is purchased. Customers are required to provide the serial number of the IOM4-e/-B line card for which the RTU license is being purchased.	\$ 310,000.00	35%	\$ 201,500.00
3HE13362AA	RTU - SROS Telemetry Right To Use License. A per system license. Allows the use of Telemetry functionality.	\$ 30,000.00	35%	\$ 19,500.00
3HE13368AA	ASL VSR-AA DEM Gateway Wifi 10K Subs - Application Software License (ASL) required for Application Assurance Dynamic Experience Management Gateway. One (1) of these ASLs is required for every increment of 10,000 subscribers, in addition to AA licenses. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 10,000.00	35%	\$ 6,500.00
3HE13369AA	SROS DEM Gateway Wifi 10K Subs - Right to Use (RTU) required for Application Assurance Dynamic Experience Management Gateway. One (1) of these RTUs is required for every increment of 10,000 subscribers, in addition to AA licenses. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 10,000.00	35%	\$ 6,500.00
3HE13370AA	RTU MGW TCP Optimization 10 Gbps - Right to Use (RTU) required for bandwidth based TCP Optimization. One (1) of these RTUs is required for every increment of 1Gbps if using TCP-O without AA per-sub RTUs, does not require use of TCP-O 10k Subscriber RTU. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 5,000.00	35%	\$ 3,250.00
3HE13371AA	RTU MG-AA PGW-EDR IPfix 10k Subs. Enables the export of the PGW-EDR IPfix record format for AA flow based reporting. This record format includes mobile subscriber information such as IMSI, APN, RAT type, charging ID, etc. to be combined with information on 5-tuple flows such as the start/end time of each flow, the flow itself (5-tuple/direction) and volume (octets transferred) counts. One (1) of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale.	\$ 2,500.00	35%	\$ 1,625.00
3HE13376AA	7950 XRS-20e Stand-Alone Complete Chassis APEQ-DC-4275 Bundle and shipped with all common hardware. Includes: (1) 3HE11085AA - CHAS-7950 XRS-20e Universal Spare Chassis (8) 3HE08505AA - SFM - 7950 XRS-20 SFM-X20S-B, (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB (2) 3HE11095AA - 7950 XRS-20e Power Connect Module Fan (5) 3HE11099AA - APEQ-DC-4275 Power Equalizer Module (5) 3HE11096AA - 7950 XRS-20e Quad Power Connect Module (5) 3HE11097AA - 7950 XRS-20e Power Input Module (3) 3HE11088AA - FAN - 7950 XRS-20e Fan Tray (2) 3HE07117AA - CCM - 7950 XRS-20 CCM (1) 3HE11090AA - ACC - 7950 XRS-20e Air Filter Kit  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot.	\$ 800,000.00	35%	\$ 520,000.00
3HE13390AA	Nuage Virtual Routing and Switching License for Containers/PaaS. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 6,595.00	35%	\$ 4,286.75
3HE13391AA	Nuage Virtual Routing and Switching License for Containers/PaaS (max 4vCPUs). Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 2,995.00	35%	\$ 1,946.75

3HE13392AA	Nuage Virtual Routing and Switching Annual RTU License for Containers/PaaS. Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 2,695.00	35%	\$ 1,751.75
3HE13393AA	Nuage Virtual Routing and Switching Annual RTU License for Containers/PaaS (max. 4vCPUs). Features include Layer 2, Layer 3 Virtual Routing and Switching connectivity, and features such as dynamic routing protocols, federation of VSCs and policy and analytics (QoS, TCAs, service chaining, stateful ACLs, statistics and features requiring the Analytics Engine).	\$ 1,195.00	35%	\$ 776.75
3HE13394AA	Spare SD card (4GB). -40 to 85C, SLC.	\$ 350.00	35%	\$ 227.50
3HE13408AA	SR/ESS 128 GB Compact Flash - Spare (Blank)	\$ 7,000.00	35%	\$ 4,550.00
3HE13426AA	ACC - 7210 SAS-K 2F4T6C ETR rack mount, fits one 7210 SAS-K (K12) and its power supplies in a 19" rack	\$ 350.00	35%	\$ 227.50
3HE13504AA	7750 SR SFM6-7/12 & CPM5, one (1) required per 7750 SR-7/12 slot Shelf, up to two (2) per 7750 SR-7/12 slot Shelf for CPU and fabric redundancy Bundle includes: (1) 3HE08423AA - CPM - 7750 SR CPM5 (1) 3HE12335AA - SFM - 7750 SR SFM6-7/12	\$ 70,000.00	35%	\$ 45,500.00
3HE13506AA	7750 SR-14s AC/HVDC complete chassis bundle, shipped with all common hardware. Includes: (1) 3HE11301AA - CHAS - 7750 SR-14s CHASSIS, (1) 3HE12315AA - CMA - 7750 SR-14s, (2) 3HE11304AA - CPM - 7750 SR-s CPM-7s/14s (8) 3HE11315AA - SFM - 7750 SR-7s/14s, (8) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY, (1) 3HE11179AA - CHAS - 7750 SR-7s/14s AC/HVDC PWR SHELF, (5) 3HE11183AA - PSU - AC/HVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: AC/HVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), AC/HVDC power shelf accessory kit, Power Cords and optional air filter door kit. Chassis accessory kit included	\$ 610,000.00	35%	\$ 396,500.00
3HE13507AA	7750 SR-7s AC/HVDC complete chassis bundle, shipped with all common hardware. Control redundancy. Includes: (1) 3HE11905AA - CHAS - 7750 SR-7s CHASSIS, (1) 3HE12314AA - CMA - 7750 SR-7s DUAL, (2) 3HE11304AA - CPM - 7750 SR-s CPM-7s/14s, (4) 3HE11315AA - SFM - 7750 SR-7s/14s, (4) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY, (1) 3HE11179AA - CHAS - 7750 SR-7s/14s AC/HVDC PWR SHELF (3) 3HE11183AA - PSU - AC/HVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: AC/HVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), AC/HVDC power shelf accessory kit, Power Cords and optional air filter door kit. Chassis accessory kit included	\$ 385,000.00	35%	\$ 250,250.00
3HE13508AA	7750 SR-7s DC complete chassis bundle, shipped with all common hardware. No control redundancy. Includes: (1) 3HE11905AA - CHAS - 7750 SR-7s CHASSIS, (1) 3HE12326AA - CMA - 7750 SR-7s SINGLE, (1) 3HE11304AA - CPM - 7750 SR-s CPM-7s/14s, (4) 3HE11315AA - SFM - 7750 SR-7s/14s, (4) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY, (1) 3HE11180AA - CHAS - 7750 SR-7s/14s LVDC POWER SHELF, (3) 3HE11185AA - PSU - LVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: LVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), LVDC power shelf accessory kit and power lug kit, and optional air filter door kit. Chassis accessory kit included	\$ 335,000.00	35%	\$ 217,750.00
3HE13509AA	7750 SR-7s AC/HVDC complete chassis bundle, shipped with all common hardware. No control redundancy. Includes: (1) 3HE11905AA - CHAS - 7750 SR-7s CHASSIS, (1) 3HE12326AA - CMA - 7750 SR-7s SINGLE, (1) 3HE11304AA - CPM - 7750 SR-s CPM-7s/14s, (4) 3HE11315AA - SFM - 7750 SR-7s/14s, (4) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY, (1) 3HE11179AA - CHAS - 7750 SR-7s/14s AC/HVDC PWR SHELF, (3) 3HE11183AA - PSU - AC/HVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: AC/HVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), AC/HVDC power shelf accessory kit, Power Cords and optional air filter door kit. Chassis accessory kit included	\$ 335,000.00	35%	\$ 217,750.00

3HE13513AA	<p>7750 SR-1s + AC/HVDC Power Shelf, 2.4T 24-port QSFP28 (supported QSFP+/QSFP28) Core Router feature set;</p> <p>Includes the following;  (1) 3HE13799AA - SYS - SR-1s 2.4T 24pt QSFP28 CR AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 2.4T throughput and 24-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  <b>Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.</b></p>	\$ 800,000.00	35%	\$ 520,000.00
3HE13513BA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 2.4T 24-port QSFP28 (supported QSFP+/QSFP28) Edge Router feature set;</p> <p>Includes the following;  (1) 3HE13799BA - SYS - SR-1s 2.4T 24pt QSFP28 ER AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 2.4T throughput and 24-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  <b>Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.</b></p>	\$ 960,000.00	35%	\$ 624,000.00
3HE13513CA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 2.4T 24-port QSFP28 (supported QSFP+/QSFP28) Edge Router feature set;</p> <p>Includes the following;  (1) 3HE13799CA - SYS - SR-1s 2.4T 24pt QSFP28 HE AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 2.4T throughput and 24-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  <b>Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.</b></p>	\$ 1,120,000.00	35%	\$ 728,000.00
3HE13514AA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 3.6T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Core Router feature set;</p> <p>Includes the following;  (1) 3HE13804AA - SYS - SR-1s 3.6T 36pt QSFP-DD CR LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  <b>Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</b></p>	\$ 1,080,000.00	35%	\$ 702,000.00
3HE13514BA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 3.6T 36-port QSFP28 (supported QSFP+/QSFP28), Edge Router feature set;</p> <p>Includes the following;  (1) 3HE13804BA - SYS - SR-1s 3.6T 36pt QSFP-DD ER LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  <b>Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</b></p>	\$ 1,320,000.00	35%	\$ 858,000.00

3HE13514CA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 3.6T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13804CA - SYS - SR-1s 3.6T 36pt QSFP-DD HE LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</p>	\$ 1,560,000.00	35%	\$ 1,014,000.00
3HE13515AA	<p>7750 SR-1s + AC/HVDC Power Shelf, 3.6T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Core Router feature set;</p> <p>Includes the following;  (1) 3HE13805AA - SYS - SR-1s 3.6T 36pt QSFP-DD CR AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</p>	\$ 1,080,000.00	35%	\$ 702,000.00
3HE13515BA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 3.6Tb 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Edge Router feature set;</p> <p>Includes the following;  (1) 3HE13805BA - SYS - SR-1s 3.6T 36pt QSFP-DD ER AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</p>	\$ 1,320,000.00	35%	\$ 858,000.00
3HE13515CA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 3.6T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13805CA - SYS - SR-1s 3.6T 36pt QSFP-DD HE AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</p>	\$ 1,560,000.00	35%	\$ 1,014,000.00
3HE13516AA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Core Router feature set;</p> <p>Includes the following;  (1) 3HE13806AA - SYS - SR-1s 4.8T 36pt QSFP-DD CR LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 4.8T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.</p>	\$ 1,440,000.00	35%	\$ 936,000.00

<p>3HE13516BA</p>	<p>7750 SR-1s + LVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Edge Router feature set:</p> <p>Includes the following;  (1) 3HE13806BA - SYS - SR-1s 4.8T 36pt QSFP-DD ER LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 4.8T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.</p>	<p>\$ 1,760,000.00</p>	<p>35%</p>	<p>\$ 1,144,000.00</p>
<p>3HE13516CA</p>	<p>7750 SR-1s + LVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13806CA - SYS - SR-1s 4.8T 36pt QSFP-DD HE LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 4.8T throughput and 36-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.</p>	<p>\$ 2,080,000.00</p>	<p>35%</p>	<p>\$ 1,352,000.00</p>
<p>3HE13517AA</p>	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Core Router feature set;</p> <p>Includes the following;  (1) 3HE13807AA - SYS - SR-1s 4.8T 36pt QSFP-DD CR AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T AC/HVDC" licensed to 4.8T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.</p>	<p>\$ 1,440,000.00</p>	<p>35%</p>	<p>\$ 936,000.00</p>
<p>3HE13517BA</p>	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Edge Router feature set:</p> <p>Includes the following;  (1) 3HE13807BA - SYS - SR-1s 4.8T 36pt QSFP-DD ER AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 4.8T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.</p>	<p>\$ 1,760,000.00</p>	<p>35%</p>	<p>\$ 1,144,000.00</p>
<p>3HE13517CA</p>	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13807CA - SYS - SR-1s 4.8T 36pt QSFP-DD HE AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 4.8T throughput and 36-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.</p>	<p>\$ 2,080,000.00</p>	<p>35%</p>	<p>\$ 1,352,000.00</p>

3HE13518AA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Aggregation mode to 12T, Core Router feature set;</p> <p>Includes the following;  (1) 3HE13808AA - SYS - SR-1s 4.8T 36pt QSFP-DD CR to 12T DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance up to 12T intelligent fan-in/fan-out</p>	\$ 1,600,000.00	35%	\$ 1,040,000.00
3HE13518BA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Aggregation mode to 12T, Edge Router feature set;</p> <p>Includes the following;  (1) 3HE13808BA - SYS - SR-1s 4.8T 36pt QSFP-DD ER to 12T DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>Software scale upgradeable to HE feature set.  Hardware performance up to 12T intelligent fan-in/fan-out.</p>	\$ 1,920,000.00	35%	\$ 1,248,000.00
3HE13518CA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Aggregation mode to 12T, High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13808CA - SYS - SR-1s 4.8T 36pt QSFP-DD HE to 12T DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, to 36-connectors Universal QSFP-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>Full High-Scale Edge feature set.  Hardware performance up to 12T intelligent fan-in/fan-out.</p>	\$ 2,240,000.00	35%	\$ 1,456,000.00
3HE13519AA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Aggregation mode to 12T, Core Router feature set;</p> <p>Includes the following;  (1) 3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance up to 12T intelligent fan-in/fan-out</p>	\$ 1,600,000.00	35%	\$ 1,040,000.00
3HE13519BA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Aggregation mode to 12T, Edge Router feature set;</p> <p>Includes the following;  (1) 3HE13809BA - SYS - SR-1s 4.8T 36pt QSFP-DD ER to 12T AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>Software scale upgradeable to HE feature set.  Hardware performance up to 12T intelligent fan-in/fan-out.</p>	\$ 1,920,000.00	35%	\$ 1,248,000.00
3HE13519CA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 4.8T 36-port QSFP-DD (supported QSFP+/QSFP28/QSFP-DD), Aggregation mode to 12T, High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13809CA - SYS - SR-1s 4.8T 36pt QSFP-DD HE to 12T AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, to 36-connectors Universal QSFP-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>Full High-Scale Edge feature set.  Hardware performance up to 12T intelligent fan-in/fan-out.</p>	\$ 2,240,000.00	35%	\$ 1,456,000.00
3HE13522AA	IOM-e RTU License Upgrade from L2HQ to L3HQ for IOM-e IMM . RTU license upgrade is tied to the specific IOM-e line card for which it is purchased. Customers are required to provide the serial number of the IOM-e line card for which the RTU license is being purchased.	\$ 172,500.00	35%	\$ 112,125.00
3HE13523AA	IOM-e RTU License Upgrade from L3BQ to L3HQ for IOM-e. RTU license upgrade is tied to the specific IOM-e line card for which it is purchased. Customers are required to provide the serial number of the IOM-e line card for which the RTU license is being purchased.	\$ 297,500.00	35%	\$ 193,375.00

3HE13524AA	IOM4-e-HS RTU License Upgrade from L3BQ to L3HQ for IOM4-e-HS. RTU license upgrade is tied to the specific IOM4-e-HS line card for which it is purchased. Customers are required to provide the serial number of the IOM4-e-HS line card for which the RTU license is being purchased.	\$ 172,000.00	35%	\$ 111,800.00
3HE13528AA	Nuage Virtualized Network Services (VNS) Right-To-Use license for hosting one Virtual Network Functions (VNF) on Network Service Gateway (NSG)	\$ 75.00	35%	\$ 48.75
3HE13529AA	Nuage Virtualized Services Directory (VSD) network-wide license for lifecycle management for 500 Virtual Network Functions (VNF)	\$ 9,995.00	35%	\$ 6,496.75
3HE13533AA	Nuage 7850 Network Services Gateway – Ethernet 202 (NSG-E202). AC powered with 2 dual-PHY ports supporting 10/100/1000BASE-X and 10/100/1000BASE-T Gigabit Ethernet, 4 LAN 10/100/1000BASE-T Gigabit Ethernet ports, integrated WiFi access point, USB, and RJ-45 console. Included in bundle is qty=1 3HE11925AA AC power supply. One C13 power cord must be purchased separately. Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 1,645.00	35%	\$ 1,069.25
3HE13535AA	7250 IXR-10 LVDC Complete chassis bundle with all common hardware including: (1) 3HE11770AA - CHAS - 7250 IXR-10 Chassis (4) 3HE11752AA - PSU - 7250 IXR LVDC (6) 3HE11768AA - SFM - 7250 IXR-10 SFM (2) 3HE11761AA - CPM - 7250 IXR CPM (3) 3HE11769AA - FAN - 7250 IXR-10 Fan Tray  Note: Impedance panels (IMM, PSU) need to be ordered separately for every empty slot.	\$ 226,700.00	35%	\$ 147,355.00
3HE13536AA	7250 IXR-6 LVDC complete chassis bundle with all common hardware including: (1) 3HE11760AA - CHAS - 7250 IXR-6 Chassis (2) 3HE11752AA - PSU - 7250 IXR LVDC (6) 3HE11755AA - SFM - 7250 IXR-6 SFM (2) 3HE11761AA - CPM - 7250 IXR CPM (3) 3HE11759AA - FAN - 7250 IXR-6 Fan Tray  Note: Impedance panels (IMM, PSU) need to be ordered separately for every empty slot.	\$ 149,850.00	35%	\$ 97,402.50
3HE13537AA	7250 IXR-10 AC/HVDC Complete chassis bundle with all common hardware including: (1) 3HE11770AA - CHAS - 7250 IXR-10 Chassis (4) 3HE11751AA - PSU - 7250 IXR AC/HVDC (6) 3HE11768AA - SFM - 7250 IXR-10 SFM (2) 3HE11761AA - CPM - 7250 IXR CPM (3) 3HE11769AA - FAN - 7250 IXR-10 Fan Tray  Note: Impedance panels (IMM, PSU) need to be ordered separately for every empty slot.	\$ 227,900.00	35%	\$ 148,135.00
3HE13538AA	7250 IXR-6 AC/HVDC complete chassis bundle with all common hardware including: (1) 3HE11760AA - CHAS - 7250 IXR-6 Chassis (2) 3HE11751AA - PSU - 7250 IXR AC/HVDC (6) 3HE11755AA - SFM - 7250 IXR-6 SFM (2) 3HE11761AA - CPM - 7250 IXR CPM (3) 3HE11759AA - FAN - 7250 IXR-6 Fan Tray  Note: Impedance panels (IMM, PSU) need to be ordered separately for every empty slot.	\$ 150,450.00	35%	\$ 97,792.50
3HE13539AA	7250 IXR-10 LVDC Complete chassis bundle with all common hardware including: (1) 3HE11770AA - CHAS - 7250 IXR-10 Chassis (4) 3HE11752AA - PSU - 7250 IXR LVDC (6) 3HE11768AA - SFM - 7250 IXR-10 SFM (2) 3HE11762AA - CPM - 7250 IXR CPM 128 GB SSD (3) 3HE11769AA - FAN - 7250 IXR-10 Fan Tray  Note: Impedance panels (IMM, PSU) need to be ordered separately for every empty slot.	\$ 238,700.00	35%	\$ 155,155.00
3HE13540AA	7250 IXR-6 LVDC complet chassis bundle with all common hardware including: (1) 3HE11760AA - CHAS - 7250 IXR-6 Chassis (2) 3HE11752AA - PSU - 7250 IXR LVDC (6) 3HE11755AA - SFM - 7250 IXR-6 SFM (2) 3HE11762AA - CPM - 7250 IXR CPM 128 GB SSD (3) 3HE11759AA - FAN - 7250 IXR-6 Fan Tray  Note: Impedance panels (IMM, PSU) need to be ordered separately for every empty slot.	\$ 161,850.00	35%	\$ 105,202.50
3HE13541AA	7250 IXR-10 AC/HVDC Complete chassis bundle with all common hardware including: (1) 3HE11770AA - CHAS - 7250 IXR-10 Chassis (4) 3HE11751AA - PSU - 7250 IXR AC/HVDC (6) 3HE11768AA - SFM - 7250 IXR-10 SFM (2) 3HE11762AA - CPM - 7250 IXR CPM 128 GB SSD (3) 3HE11769AA - FAN - 7250 IXR-10 Fan Tray  Note: Impedance panels (IMM, PSU) need to be ordered separately for every empty slot.	\$ 239,900.00	35%	\$ 155,935.00
3HE13542AA	7250 IXR-6 AC/HVDC complete chassis bundle with all common hardware including: (1) 3HE11760AA - CHAS - 7250 IXR-6 Chassis (2) 3HE11751AA - PSU - 7250 IXR AC/HVDC (6) 3HE11755AA - SFM - 7250 IXR-6 SFM (2) 3HE11762AA - CPM - 7250 IXR CPM 128 GB SSD (3) 3HE11759AA - FAN - 7250 IXR-6 Fan Tray  Note: Impedance panels (IMM, PSU) need to be ordered separately for every empty slot.	\$ 162,450.00	35%	\$ 105,592.50
3HE13543AA	Rack mount kit for a single Nuage 7850 Network Services Gateway – Ethernet 200/300 (NSG-E200/E300). Designed for 19" racks and is 1U high. Rack screws are not included and M5 is the maximum usable screw size.	\$ 125.00	35%	\$ 81.25
3HE13555AA	SYS - 7210 SAS-K 3SFP+ 8C ETR AC, Includes two (2) fixed power supplies. Does not include software	\$ 9,000.00	35%	\$ 5,850.00
3HE13556AA	SYS - 7210 SAS-K 3SFP+ 8C ETR 20-72V DC, includes two (2) fixed power supplies. Does not include software	\$ 10,000.00	35%	\$ 6,500.00
3HE13569AA	Vehicle Mount LTE MIMO/WiFi/GNSS antenna. Upto 5 dBi gain for LTE 698-960/1695-2170/2300-2700/2900-3600 MHz. Upto 5 dBi gain for WiFi 2400-2500/4900-5925 MHz. 2 x N-Type male connectors for LTE MIMO, 1 x N-Type male connector for WiFi and 1 x N-Type male connector for GNSS. Direct mount to vehicle.	\$ 335.00	35%	\$ 217.75

3HE13569AB	Vehicle Mount LTE MIMO/WiFi/GNSS antenna. Upto 5 dBi gain for LTE 698-960/1695-2170/2300-2700/2900-3600 MHz. Upto 5 dBi gain for WiFi 2400-2500/4900-5925 MHz. 2 x SMA male connectors for LTE MIMO, 1 x RP-SMA male connector for WiFi and 1 x SMA male connector for GNSS. Direct mount to vehicle.	\$ 335.00	35%	\$ 217.75
3HE13570AA	System Bundle - 7750 SR-1 DC Core Router feature set, includes; (1) 3HE12298AA - SYS - 7750 SR-1 DC 1.5T CR Included with the SR-1 chassis: (1) 3HE12302AA - ACC - 7750 SR-1 DC Accessory Kit (1) 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP (4) 3HE12300AA - FAN - 7750 SR-1 Fan Tray  CR licenses on this part number restricts the hardware queues to 1024 per complex and the number of egress policers to 1024 per complex	\$ 270,000.00	35%	\$ 175,500.00
3HE13570BA	System Bundle - 7750 SR-1 DC Edge Router feature set, includes; (1) 3HE12298BA - SYS - 7750 SR-1 DC 1.5T ER Included with the SR-1 chassis: (1) 3HE12302AA - ACC - 7750 SR-1 DC Accessory Kit (1) 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP (4) 3HE12300AA - FAN - 7750 SR-1 Fan Tray  ER licenses on this part number restricts the hardware queues to 16 384 per complex and the number of egress policers to 16 384 per complex	\$ 350,000.00	35%	\$ 227,500.00
3HE13570CA	System Bundle - 7750 SR-1 DC High Scale Router feature set, Density Level 1 includes; (1) 3HE12298CA - SYS - 7750 SR-1 DC 1.5T HE Included with the SR-1 chassis: (1) 3HE12302AA - ACC - 7750 SR-1 DC Accessory Kit (1) 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP (4) 3HE12300AA - FAN - 7750 SR-1 Fan Tray  HE licenses on this part number does not restrict hardware queues or egress policers	\$ 430,000.00	35%	\$ 279,500.00
3HE13571AA	System Bundle - 7750 SR-1 non-redundant AC power, Core Router feature set, includes; (1) 3HE12299AA - SYS - 7750 SR-1 AC 1.5T CR Included with the SR-1 chassis: (1) 3HE12303AA - ACC - 7750 SR-1 AC Accessory Kit (1) 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP (1) 3HE12301AA - PSU - 7750 SR-1 AC Power Supply (4) 3HE12300AA - FAN - 7750 SR-1 Fan Tray  CR licenses on this part number restricts the hardware queues to 1024 per complex and the number of egress policers to 1024 per complex	\$ 270,000.00	35%	\$ 175,500.00
3HE13571BA	System Bundle - 7750 SR-1 non-redundant AC power, Edge Router feature set, includes; (1) 3HE12299BA - SYS - 7750 SR-1 AC 1.5T ER Included with the SR-1 chassis: (1) 3HE12303AA - ACC - 7750 SR-1 AC Accessory Kit (1) 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP (1) 3HE12301AA - PSU - 7750 SR-1 AC Power Supply (4) 3HE12300AA - FAN - 7750 SR-1 Fan Tray  ER licenses on this part number restricts the hardware queues to 16 384 per complex and the number of egress policers to 16 384 per complex	\$ 350,000.00	35%	\$ 227,500.00
3HE13571CA	System Bundle - 7750 SR-1 non-redundant AC power, High Scale Router feature set, includes; (1) 3HE12299CA - SYS - 7750 SR-1 AC 1.5T HE Included with the SR-1 chassis: (1) 3HE12303AA - ACC - 7750 SR-1 AC Accessory Kit (1) 3HE10312AA - ACC - Impedance PNL MDA-e MDA-e-XP (1) 3HE12301AA - PSU - 7750 SR-1 AC Power Supply (4) 3HE12300AA - FAN - 7750 SR-1 Fan Tray  HE licenses on this part number does not restrict hardware queues or egress policers	\$ 430,000.00	35%	\$ 279,500.00
3HE13584AA	7250 IXR-R6 chassis bundle, includes: (1) 3HE11278AA - 7250 IXR-R6 Chassis (1) 3HE11279AA - 7250 IXR-R6 Fan Tray (1) 3HE11286AA - 7250 IXR-R6 Fan Filters (5-pack) (1) 3HE11283AA - 7250 IXR-R6 CPIOIM (1) 3HE11287AA - 7250 IXR-R6 CPIOIM Impedance Panel (5) 3HE11288AA - 7250 IXR-R6 MDA Impedance Panel	\$ 36,450.00	35%	\$ 23,692.50
3HE13589AA	24F SMF MPO-MPO Patch Cable, 3M	\$ 2,360.00	35%	\$ 1,534.00
3HE13590AA	24F MMF MPO-24 to MPO-24 jumper, 3M	\$ 1,200.00	35%	\$ 780.00
3HE13591AA	12F SMF MPO-12 to MPO-12 jumper, 3M	\$ 780.00	35%	\$ 507.00
3HE13592AA	12F MMF MPO-12 to MPO-12 jumper, 3M	\$ 720.00	35%	\$ 468.00
3HE13713AA	7210 SAS-S Non-PoE RPS interconnect	\$ 1,068.00	35%	\$ 694.20
3HE13714AA	7210 SAS-S PoE RPS interconnect	\$ 1,212.00	35%	\$ 787.80
3HE13725AA	Upgrade license from SR-1 Core Router - to SR-1 Edge Router - system	\$ 100,000.00	35%	\$ 65,000.00
3HE13726AA	Upgrade license from SR-1 Edge Router - to SR-1 High Scale Router - system	\$ 100,000.00	35%	\$ 65,000.00
3HE13727AA	7750 SR IOM5-e, 1x FP4 complex, performance restricted to 400G FD, accepts two (2) MDA-e-XP. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE12332xA - IOM - 7750 SR IOM5-e" licensed to 400G throughput.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 400G to 800G or 1.5T  <b>7750 SR-7/12-B</b> - licensed to 400G throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP and 3pt CFP2-DCO MDA-e-XP not supported <b>7750 SR-12e</b> - licensed to 400G throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions	\$ 320,000.00	35%	\$ 208,000.00



3HE13727BA	<p>7750 SR IOM5-e, 1x FP4 complex, performance restricted to 400G FD, accepts two (2) MDA-e-XP. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE12332xA - IOM - 7750 SR IOM5-e" licensed to 400G throughput.</p> <p>Software scale upgradeable to HE feature set. Hardware performance upgradeable from 400G to 800G or 1.5T</p> <p><b>7750 SR-7/12-B</b> - licensed to 400G throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP and 3pt CFP2-DCO MDA-e-XP not supported <b>7750 SR-12e</b> - licensed to 400G throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions</p>	\$ 373,333.00	35%	\$ 242,666.45
3HE13727CA	<p>7750 SR IOM5-e, 1x FP4 complex, performance restricted to 400G FD, accepts two (2) MDA-e-XP. High-Scale Edge (ER) no restrictions on h/w queues or egress policers</p> <p>This card is based off "3HE12332xA - IOM - 7750 SR IOM5-e" licensed to 400G throughput.</p> <p>Full High-Scale Edge feature set Hardware performance upgradeable from 400G to 800G or 1.5T</p> <p><b>7750 SR-7/12-B</b> - licensed to 400G throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP and 3pt CFP2-DCO MDA-e-XP not supported <b>7750 SR-12e</b> - licensed to 400G throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions</p>	\$ 426,667.00	35%	\$ 277,333.55
3HE13728AA	<p>7750 SR12e LVDC Chassis + Non-Redundant SFM6-12e, bundle includes the following: (1) 3HE07165AA - CH-BN - 7750 SR12e Integrated Chassis (1) 3HE12330AA - SFM - 7750 SR SFM6-12e (1) 3HE08423AA - CPM - 7750 SR CPM5 (2) 3HE12331AA - SFM - 7750 SR mini-SFM6-12e (3) 3HE09422AA - APEQ-DC-2200-2800 Power Equalizer Module (1) 3HE10475AA - ACC 7750 SR-12e 80A Breakers x16</p>	\$ 375,000.00	35%	\$ 243,750.00
3HE13729AA	<p>7750 SR12e AC Chassis + Non-Redundant SFM6-12e, bundle includes the following: (1) 3HE07165AA - CH-BN - 7750 SR12e Integrated Chassis (1) 3HE12330AA - SFM - 7750 SR SFM6-12e (1) 3HE08423AA - CPM - 7750 SR CPM5 (2) 3HE12331AA - SFM - 7750 SR mini-SFM6-12e (3) 3HE09423AA - APEQ-AC-3000 Power Equalizer Module (1) 3HE10114AA - ACC 7750 SR-12e AC bezel</p>	\$ 375,000.00	35%	\$ 243,750.00
3HE13734AA	<p>Upgrade from IOM5-e 400G CR (Core Router) to IOM5-e 400G ER (Edge Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i></p>	\$ 66,666.67	35%	\$ 43,333.33
3HE13735AA	<p>Upgrade from IOM5-e 400G ER (Edge Router) to IOM5-e 400G HE (High-Scale Edge) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i></p>	\$ 66,666.67	35%	\$ 43,333.33
3HE13736AA	<p>Upgrade from IOM5-e 1.5T CR (Core Router) to IOM5-e 1.5T ER (Edge Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i></p>	\$ 100,000.00	35%	\$ 65,000.00
3HE13737AA	<p>Upgrade from IOM5-e 1.5T ER (Edge Router) to IOM5-e 1.5T HE (High-Scale Edge) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i></p>	\$ 100,000.00	35%	\$ 65,000.00
3HE13738AA	<p>7750 SR 12-B Slot Chassis with 7750 SR-12-B 175 Amp DC PEM-3 and 7750 SR-12 Enhanced Fan Tray + 7750 SR SFM6-7/12 + CPM5 Bundle. Bundle Includes: (1) 3HE12335AA - SFM - 7750 SR SFM6-7/12 (1) 3HE08423AA - CPM - 7750 SR CPM5 (1) 3HE10854AA - CH-BN - 7750 SR-12-B w/PEM3 + EFT</p>	\$ 175,000.00	35%	\$ 113,750.00
3HE13739AA	<p>7750 SR 7-B Slot Chassis with 7750 SR-7-B 100 Amp DC PEM-3 and 7750 SR-7 Enhanced Fan Tray + 7750 SR SFM6-7/12 + CPM5 Bundle. Bundle Includes: (1) 3HE10852AA - CH-BN - 7750 SR-7-B DC w/PEM3 + EFT (1) 3HE12335AA - SFM - 7750 SR SFM6-7/12 (1) 3HE08423AA - CPM - 7750 SR CPM5</p>	\$ 120,000.00	35%	\$ 78,000.00
3HE13740AA	<p>7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This card is based off "3HE11307xA - XMA - SR-s 2.4T 36pt QSFP28 to 3.6T" licensed to 1.6T throughput and 16-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.</p>	\$ 533,333.33	35%	\$ 346,666.67
3HE13740BA	<p>7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE11307xA - XMA - SR-s 2.4T 36pt QSFP28 to 3.6T" licensed to 1.6T throughput and 16-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.</p>	\$ 640,000.00	35%	\$ 416,000.00

3HE13740CA	7750 SR-s XMA (Expandable Media Adapter), 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE11307xA - XMA - SR-s 2.4T 36pt QSFP28 to 3.6T" licensed to 1.6T throughput and 16-connectors hard license enabled.  Full High-Scale Edge feature set Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 746,666.67	35%	\$ 485,333.33
3HE13741AA	Upgrade license from 1.6Tbps 16 port QSFP28 XMA-ER to 2.4Tbps 24port QSFP28 XMA-ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 400,000.00	35%	\$ 260,000.00
3HE13742AA	Upgrade license from 1.6Tbps 16 port QSFP28 XMA-HE to 2.4Tbps 24port QSFP28 XMA-HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 466,666.67	35%	\$ 303,333.33
3HE13743AA	Upgrade license to enable aggregation mode up to 3.6T / 36 ports on 2.4Tbps 24 port QSFP28 XMA (applies to CR, ER, HE variants) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 100,000.00	35%	\$ 65,000.00
3HE13744AA	Upgrade license from 1.6Tbps 16 port QSFP28 XMA-CR to 1.6Tbps 16 port QSFP28 XMA-ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 133,333.33	35%	\$ 86,666.67
3HE13745AA	Upgrade license from 1.6Tbps 16 port QSFP28 XMA-ER to 1.6Tbps 16 port QSFP28 XMA-HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 133,333.33	35%	\$ 86,666.67
3HE13746AA	Upgrade license from 2.4Tbps 24 port QSFP28 XMA-CR to 2.4Tbps 24 port QSFP28 XMA-ER (also applies to aggregation mode 2.4T XMA variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE13747AA	Upgrade license from 2.4Tbps 24 port QSFP28 XMA-ER to 2.4Tbps 24 port QSFP28 XMA-HE (also applies to aggregation mode 2.4T XMA variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE13748AA	Upgrade license to enable QSFP28-DD (200G) support on 3.6Tbps 36 port QSFP28 XMA (applies to CR, ER, HE variants) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 150,000.00	35%	\$ 97,500.00
3HE13749AA	Upgrade license from 3.6Tbps 36 port QSFP-DD XMA-CR to 4.8Tbps 36 port QSFP-DD XMA-CR <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 450,000.00	35%	\$ 292,500.00
3HE13750AA	Upgrade license from 3.6Tbps 36 port QSFP-DD XMA-ER to 4.8Tbps 36 port QSFP-DD XMA-ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 550,000.00	35%	\$ 357,500.00
3HE13751AA	Upgrade license from 3.6Tbps 36 port QSFP-DD XMA-HE to 4.8Tbps 36 port QSFP-DD XMA-HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 650,000.00	35%	\$ 422,500.00
3HE13752AA	Upgrade license to enable aggregation mode up to 12T on 4.8Tbps 36 port QSFP-DD XMA (applies to CR, ER, HE variants) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE13753AA	Upgrade license from 3.6Tbps 36 port QSFP-28 XMA-CR to 3.6Tbps 36 port QSFP-28 XMA-ER (also applies to 3.6T QSFP-DD XMA variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 300,000.00	35%	\$ 195,000.00
3HE13754AA	Upgrade license from 3.6Tbps 36 port QSFP-28 XMA-ER to 3.6Tbps 36 port QSFP-28 XMA-HE (also applies to 3.6T QSFP-DD XMA variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 300,000.00	35%	\$ 195,000.00
3HE13755AA	Upgrade license from 4.8Tbps 36 port QSFP-DD XMA-CR to 4.8Tbps 36 port QSFP-DD XMA-ER (also applies to aggregation mode 4.8T XMA variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 400,000.00	35%	\$ 260,000.00
3HE13756AA	Upgrade license from 4.8Tbps 36 port QSFP-DD XMA-ER to 4.8Tbps 36 port QSFP-DD XMA-HE (also applies to aggregation mode 4.8T XMA variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 400,000.00	35%	\$ 260,000.00
3HE13757AA	Upgrade license from SR-1s CR 1.6Tbps 16 port QSFP28 to SR-1s CR 2.4Tbps 24port QSFP28 <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 333,333.33	35%	\$ 216,666.67

3HE13758AA	Upgrade license from SR-1s ER 1.6Tbps 16 port QSFP28 to SR-1s ER 2.4Tbps 24port QSFP28 <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 400,000.00	35%	\$ 260,000.00
3HE13759AA	Upgrade license from SR-1s HE 1.6Tbps 16 port QSFP28 to SR-1s HE 2.4Tbps 24port QSFP28 <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 466,666.67	35%	\$ 303,333.33
3HE13760AA	Upgrade license to enable aggregation mode up to 3.6T / 36 ports on 2.4Tbps 24 port QSFP-28 (applies to CR, ER, HE variants) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 100,000.00	35%	\$ 65,000.00
3HE13761AA	Upgrade license from SR-1s CR 1.6Tbps 16 port QSFP28 to SR-1s ER 1.6Tbps 16 port QSFP28 <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 133,333.33	35%	\$ 86,666.67
3HE13762AA	Upgrade license from SR-1s ER 1.6Tbps 16 port QSFP28 to SR-1s HE 2.4Tbps 24 port QSFP28 <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 133,333.33	35%	\$ 86,666.67
3HE13763AA	Upgrade license from SR-1s CR 2.4Tbps 24 port QSFP28 to SR-1s ER 2.4Tbps 24 port QSFP28 (also applies to aggregation mode 2.4T SR-1s variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE13764AA	Upgrade license from SR-1s ER 2.4Tbps 24 port QSFP28 to SR-1s HE 2.4Tbps 24 port QSFP28 (also applies to aggregation mode 2.4T SR-1s variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE13765AA	Upgrade license from 3.6Tbps 36 port QSFP-28 SR-1s CR to 3.6Tbps 36 port QSFP-28 SR-1s ER (also applies to 3.6T QSFP-DD SR-1s variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE13766AA	Upgrade license from 3.6Tbps 36 port QSFP-28 SR-1s ER to 3.6Tbps 36 port QSFP-28 SR-1s HE (also applies to 3.6T QSFP-DD SR-1s variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE13767AA	Upgrade license to enable QSFP-DD support on 3.6Tbps 36 port QSFP-28 SR-1s (applies to CR, ER, HE variants) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 150,000.00	35%	\$ 97,500.00
3HE13768AA	Upgrade license from 3.6Tbps 36 port QSFP-DD SR-1s CR to 4.8Tbps 36 port QSFP-DD SR-1s CR <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 450,000.00	35%	\$ 292,500.00
3HE13769AA	Upgrade license from 3.6Tbps 36 port QSFP-DD SR-1s ER to 4.8Tbps 36 port QSFP-DD SR-1s ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 550,000.00	35%	\$ 357,500.00
3HE13770AA	Upgrade license from 3.6Tbps 36 port QSFP-DD SR-1s HE to 4.8Tbps 36 port QSFP-DD SR-1s HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 650,000.00	35%	\$ 422,500.00
3HE13771AA	Upgrade license from SR-1s CR 4.8Tbps 36 port QSFP-DD to SR-1s ER 4.8Tbps 36 port QSFP-DD (also applies to aggregation mode 4.8T SR-1s variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 400,000.00	35%	\$ 260,000.00
3HE13772AA	Upgrade license from SR-1s ER 4.8Tbps 36 port QSFP-DD to SR-1s HE 4.8Tbps 36 port QSFP-DD (also applies to aggregation mode 4.8T SR-1s variant) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 400,000.00	35%	\$ 260,000.00
3HE13773AA	Upgrade license to enable aggregation mode up to 12T on SR-1s 4.8Tbps 36 port QSFP-DD (applies to CR, ER, HE variants) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE13774AA	7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 1.6T throughput and 16-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 518,333.33	35%	\$ 336,916.67

3HE13774BA	7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 1.6T throughput and 16-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 625,000.00	35%	\$ 406,250.00
3HE13774CA	7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 1.6T throughput and 16-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 731,666.67	35%	\$ 475,583.33
3HE13798AA	7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 1.6T throughput and 16-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 518,333.33	35%	\$ 336,916.67
3HE13798BA	7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 1.6T throughput and 16-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 625,000.00	35%	\$ 406,250.00
3HE13798CA	7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 1.6T throughput and 16-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 731,666.67	35%	\$ 475,583.33
3HE13799AA	7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 785,000.00	35%	\$ 510,250.00
3HE13799BA	7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 945,000.00	35%	\$ 614,250.00
3HE13799CA	7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 1,105,000.00	35%	\$ 718,250.00
3HE13800AA	7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Software scale upgradeable to ER or HE feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out	\$ 865,000.00	35%	\$ 562,250.00
3HE13800BA	7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Software scale upgradeable to HE feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out.	\$ 1,025,000.00	35%	\$ 666,250.00
3HE13800CA	7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out.	\$ 1,185,000.00	35%	\$ 770,250.00
3HE13801AA	7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Software scale upgradeable to ER or HE feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out	\$ 865,000.00	35%	\$ 562,250.00

3HE13801BA	7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Software scale upgradeable to HE feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out.	\$ 1,025,000.00	35%	\$ 666,250.00
3HE13801CA	7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set. Hardware performance up to 3.6T intelligent fan-in/fan-out.	\$ 1,185,000.00	35%	\$ 770,250.00
3HE13802AA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 945,000.00	35%	\$ 614,250.00
3HE13802BA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,185,000.00	35%	\$ 770,250.00
3HE13802CA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,425,000.00	35%	\$ 926,250.00
3HE13803AA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 945,000.00	35%	\$ 614,250.00
3HE13803BA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,185,000.00	35%	\$ 770,250.00
3HE13803CA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,425,000.00	35%	\$ 926,250.00
3HE13804AA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,065,000.00	35%	\$ 692,250.00
3HE13804BA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,305,000.00	35%	\$ 848,250.00
3HE13804CA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,545,000.00	35%	\$ 1,004,250.00

3HE13805AA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,065,000.00	35%	\$ 692,250.00
3HE13805BA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,305,000.00	35%	\$ 848,250.00
3HE13805CA	7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.	\$ 1,545,000.00	35%	\$ 1,004,250.00
3HE13806AA	7750 SR-1s, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 4.8T throughput and 36-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.	\$ 1,425,000.00	35%	\$ 926,250.00
3HE13806BA	7750 SR-1s system, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 4.8T throughput and 36-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.	\$ 1,745,000.00	35%	\$ 1,134,250.00
3HE13806CA	7750 SR-1s system, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 4.8T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.	\$ 2,065,000.00	35%	\$ 1,342,250.00
3HE13807AA	7750 SR-1s, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T AC/HVDC" licensed to 4.8T throughput and 36-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.	\$ 1,425,000.00	35%	\$ 926,250.00
3HE13807BA	7750 SR-1s system, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 4.8T throughput and 36-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.	\$ 1,745,000.00	35%	\$ 1,134,250.00
3HE13807CA	7750 SR-1s system, 4x FP4 complex, performance restricted to 4.8T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 4.8T throughput and 36-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 4.8T to 12T intelligent fan-in/fan-out.	\$ 2,065,000.00	35%	\$ 1,342,250.00
3HE13808AA	7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Software scale upgradeable to ER or HE feature set. Hardware performance up to 12T intelligent fan-in/fan-out	\$ 1,585,000.00	35%	\$ 1,030,250.00
3HE13808BA	7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Software scale upgradeable to HE feature set. Hardware performance up to 12T intelligent fan-in/fan-out.	\$ 1,905,000.00	35%	\$ 1,238,250.00

3HE13808CA	7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up 12T, to 36-connectors Universal QSFP-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set. Hardware performance up to 12T intelligent fan-in/fan-out.	\$ 2,225,000.00	35%	\$ 1,446,250.00
3HE13809AA	7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP-DD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Software scale upgradeable to ER or HE feature set. Hardware performance up to 12T intelligent fan-in/fan-out	\$ 1,585,000.00	35%	\$ 1,030,250.00
3HE13809BA	7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up to 12T, 36-connectors Universal QSFP-DD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Software scale upgradeable to HE feature set. Hardware performance up to 12T intelligent fan-in/fan-out.	\$ 1,905,000.00	35%	\$ 1,238,250.00
3HE13809CA	7750 SR-1s system, 4x FP4 complex, performance to 4.8T FD, Aggregation mode up 12T, to 36-connectors Universal QSFP-DD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set. Hardware performance up to 12T intelligent fan-in/fan-out.	\$ 2,225,000.00	35%	\$ 1,446,250.00
3HE13810AA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance restricted to 1.2T FD, port restricted to 12 connectors Universal QSFP28. Core Router (CR) scale feature set (2048 = h/w queues, 2048 = egress policers)  This card is based off " 3HE11094xA - XMA - 7950 XRS 2.4T 24pt QSFP28 licensed to 1.2T throughput and 12 connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.2T up to 2.4T	\$ 400,000.00	35%	\$ 260,000.00
3HE13810BA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance restricted to 1.2T FD, port restricted to 12 connectors Universal QSFP28. Edge Router (ER) scale feature set (32768 = h/w queues, 32768 = egress policers)  This card is based off " 3HE11094xA - XMA - 7950 XRS 2.4T 24pt QSFP28 licensed to 1.2T throughput and 12 connectors hard license enabled..  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 1.2T up to 2.4T	\$ 480,000.00	35%	\$ 312,000.00
3HE13810CA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance restricted to 1.2T FD, port restricted to 12 connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off " 3HE14664xA - XMA - 7950 XRS 2.4T 12pt QSDP-DD to 4T" licensed to 1.2T throughput and 12 connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 1.2T up to 2.4T	\$ 560,000.00	35%	\$ 364,000.00
3HE13811AA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance restricted to 1.6T FD, port restricted to 16 connectors Universal QSFP28. Core Router (CR) scale feature set (2048 = h/w queues, 2048 = egress policers)  This card is based off " 3HE11094xA - XMA - 7950 XRS 2.4T 24pt QSFP28 licensed to 1.6T throughput and 16 connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T up to 2.4T	\$ 533,333.33	35%	\$ 346,666.67
3HE13811BA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance restricted to 1.6T FD, port restricted to 16 connectors Universal QSFP28. Edge Router (ER) scale feature set (32768 = h/w queues, 32768 = egress policers)  This card is based off " 3HE11094xA - XMA - 7950 XRS 2.4T 24pt QSFP28 licensed to 1.6T throughput and 16 connectors hard license enabled..  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 1.6T up to 2.4T	\$ 640,000.00	35%	\$ 416,000.00
3HE13811CA	7950 XRS XMA (Expandable Media Adapter) 2 x FP4 complex, performance restricted to 1.6T FD, port restricted to 16 connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off " 3HE14664xA - XMA - 7950 XRS 2.4T 12pt QSDP-DD to 4T" licensed to 1.6T throughput and 16 connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 1.6T up to 2.4T	\$ 746,666.67	35%	\$ 485,333.33
3HE13813AA	7750 SR-1s + LVDC Power Shelf Bundle, 1.6T 16-port QSFP28 (supported QSFP+/QSFP28) Core Router feature set; Includes the following; (1) 3HE13774AA - SYS - SR-1s 1.6T 16pt QSFP28 - CR + LVDC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11185AA - PSU - LVDC 6kw Power Supply  7750 SR-1s, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 1.6T throughput and 16-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 533,333.33	35%	\$ 346,666.67

3HE13813BA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 1.6T 16-port QSFP28 (supported QSFP+/QSFP28) Edge Router feature set:</p> <p>Includes the following;  (1) 3HE13774BA - SYS - SR-1s 1.6T 16pt QSFP28 - ER + LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 1.6T throughput and 16-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  <b>Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.</b></p>	\$ 640,000.00	35%	\$ 416,000.00
3HE13813CA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 1.6T 16-port QSFP28 (supported QSFP+/QSFP28) High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13774CA - SYS - SR-1s 1.6T 16pt QSFP28 HE + LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 1.6T throughput and 16-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  <b>Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.</b></p>	\$ 746,666.67	35%	\$ 485,333.33
3HE13814AA	<p>7750 SR-1s + AC/HVDC Power Shelf, 1.6T 16-connector QSFP28 (supported QSFP+/QSFP28) Core Router feature set;</p> <p>Includes the following;  (1) 3HE13798AA - SYS - SR-1s 1.6T 16pt QSFP28 CR AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 1.6T throughput and 16-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  <b>Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.</b></p>	\$ 533,333.33	35%	\$ 346,666.67
3HE13814BA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 1.6T 16-port QSFP28 (supported QSFP+/QSFP28) Edge Router feature set;</p> <p>Includes the following;  (1) 3HE13798BA - SYS - SR-1s 1.6T 16pt QSFP28 ER AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 1.6T throughput and 16-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  <b>Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.</b></p>	\$ 640,000.00	35%	\$ 416,000.00
3HE13814CA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 1.6T 16-port QSFP28 (supported QSFP+/QSFP28) High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13798CA - SYS - SR-1s 1.6T 16pt QSFP28 HE AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13801xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T AC/HVDC" licensed to 1.6T throughput and 16-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  <b>Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.</b></p>	\$ 746,666.67	35%	\$ 485,333.33



3HE13815AA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 2.4T 36-port QSFP28 (supported QSFP+/QSFP28) Aggregation mode to 3.6T, Core Router feature set;</p> <p>Includes the following;  (1) 3HE13800AA - SYS - SR-1s 2.4T 36pt QSFP28 CR to 3.6T DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance up to 3.6T intelligent fan-in/fan-out</p>	\$ 880,000.00	35%	\$ 572,000.00
3HE13815BA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 2.4T 36-port QSFP28 (supported QSFP+/QSFP28) Aggregation mode to 3.6T, Edge Router feature set;</p> <p>Includes the following;  (1) 3HE13800BA - SYS - SR-1s 2.4T 36pt QSFP28 ER to 3.6T DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 3.6T, 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>Software scale upgradeable to HE feature set.  Hardware performance up to 3.6T intelligent fan-in/fan-out.</p>	\$ 1,040,000.00	35%	\$ 676,000.00
3HE13815CA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 2.4T 36-port QSFP28 (supported QSFP+/QSFP28) Aggregation mode to 3.6T, High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13800CA - SYS - SR-1s 2.4T 36pt QSFP28 HE to 3.6T DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 3.6T, 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>Full High-Scale Edge feature set.  Hardware performance up to 3.6T intelligent fan-in/fan-out.</p>	\$ 1,200,000.00	35%	\$ 780,000.00
3HE13816AA	<p>7750 SR-1s + AC/HVDC Power Shelf, 2.4T 36-port QSFP28 (supported QSFP+/QSFP28) Aggregation mode to 3.6T, Core Router feature set;</p> <p>Includes the following;  (1) 3HE13801AA - SYS - SR-1s 2.4T 36pt QSFP28 CR to 3.6T AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 3.6T, 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance up to 3.6T intelligent fan-in/fan-out</p>	\$ 880,000.00	35%	\$ 572,000.00
3HE13816BA	<p>7750 SR-1s + AC/HVDC Power Shelf, 2.4T 36-port QSFP28 (supported QSFP+/QSFP28) Aggregation mode to 3.6T, Core Router feature set;</p> <p>Includes the following;  (1) 3HE13801BA - SYS - SR-1s 2.4T 36pt QSFP28 ER to 3.6T AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 3.6T, 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>Software scale upgradeable to HE feature set.  Hardware performance up to 3.6T intelligent fan-in/fan-out.</p>	\$ 1,040,000.00	35%	\$ 676,000.00
3HE13816CA	<p>7750 SR-1s + AC/HVDC Power Shelf, 2.4T 36-port QSFP28 (supported QSFP+/QSFP28) Aggregation mode to 3.6T, Core Router feature set;</p> <p>Includes the following;  (1) 3HE13801CA - SYS - SR-1s 2.4T 36pt QSFP28 HE to 3.6T AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD, Aggregation mode up to 3.6T, 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>Full High-Scale Edge feature set.  Hardware performance up to 3.6T intelligent fan-in/fan-out.</p>	\$ 1,200,000.00	35%	\$ 780,000.00

3HE13817AA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 3.6T 36-port QSFP28 (supported QSFP+/QSFP28), Core Router feature set;</p> <p>Includes the following;  (1) 3HE13802AA - SYS - SR-1s 3.6T 36pt QSFP28 CR LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  <b>Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</b></p>	\$ 960,000.00	35%	\$ 624,000.00
3HE13817BA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 3.6T 36-port QSFP28 (supported QSFP+/QSFP28), Edge Router feature set:</p> <p>Includes the following;  (1) 3HE13802BA - SYS - SR-1s 3.6T 36pt QSFP28 ER LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  <b>Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</b></p>	\$ 1,200,000.00	35%	\$ 780,000.00
3HE13817CA	<p>7750 SR-1s + LVDC Power Shelf Bundle, 3.6T 36-port QSFP28 (supported QSFP+/QSFP28), High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE13802CA - SYS - SR-1s 3.6T 36pt QSFP28 HE LVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13808xA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T DC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  <b>Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</b></p>	\$ 1,440,000.00	35%	\$ 936,000.00
3HE13818AA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 3.6T 36-port QSFP28 (supported QSFP+/QSFP28), Core Router feature set;</p> <p>Includes the following;  (1) 3HE13803AA - SYS - SR-1s 3.6T 36pt QSFP28 CR AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to ER or HE feature set.  <b>Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</b></p>	\$ 960,000.00	35%	\$ 624,000.00
3HE13818BA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 3.6T 36-port QSFP28 (supported QSFP+/QSFP28), Edge Router feature set:</p> <p>Includes the following;  (1) 3HE13803BA - SYS - SR-1s 3.6T 36pt QSFP28 ER AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Software scale upgradeable to HE feature set.  <b>Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</b></p>	\$ 1,200,000.00	35%	\$ 780,000.00

3HE13818CA	<p>7750 SR-1s + AC/HVDC Power Shelf Bundle, 3.6T 36-port QSFP28 (supported QSFP+/QSFP28), Edge Router feature set:</p> <p>Includes the following;  (1) 3HE13803CA - SYS - SR-1s 3.6T 36pt QSFP28 HE AC/HVDC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 4x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE13809AA - SYS-SR-1s 4.8T 36pt QSFP-DD CR to 12T AC/HVDC" licensed to 3.6T throughput and 36-connectors hard license enabled.</p> <p>Full High-Scale Edge feature set.  <b>Hardware performance upgradeable from 3.6T to 4.8T or 12T intelligent fan-in/fan-out.</b></p>	\$ 1,440,000.00	35%	\$ 936,000.00
3HE13819AA	<p>7950 XRS-20 60A/80A DC Stand-Alone Complete Chassis Bundle, shipped with all common hardware.</p> <p>Includes:  (1) 3HE07112AA - CH-BN - 7950 XRS-20 Integrated Chassis  (5) 3HE09422AA - APEQ - APEQ-DC-2200-2800 Power Equalizer Module  (8) 3HE12313AA - 7950 XRS-20/20e Switch Fabric Module-2 Stand Alone (SFM2-SA) - (Spare)  (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB,  (1) 3HE10474AA - ACC - 7950 XRS-20 80A BREAKERS (x24)</p> <p><b>Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot.</b></p>	\$ 965,000.00	35%	\$ 627,250.00
3HE13820AA	<p>7950 XRS-20e Complete Chassis 4275W DC Bundle, shipped with all common hardware.</p> <p>Includes:  (1) 3HE11085AA - CHAS-7950 XRS-20e Universal Spare Chassis  (5) 3HE11099AA - APEQ-DC-4275 Power Equalizer Module  (2) 3HE11095AA - 7950 XRS-20e Power Connect Module Fan  (8) 3HE12313AA - 7950 XRS-20/20e Switch Fabric Module-2  (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB  (5) 3HE11096AA - 7950 XRS-20e Quad Power Connect Module  (5) 3HE11097AA - 7950 XRS-20e Power Input Module  (3) 3HE11088AA - FAN - 7950 XRS-20e Fan Tray  (2) 3HE07117AA - CCM - 7950 XRS-20 CCM</p>	\$ 965,000.00	35%	\$ 627,250.00
3HE13821AA	<p>7950 XRS-20e Complete Chassis AC Bundle, shipped with all common hardware.</p> <p>Includes:  (1) 3HE11086AA - CHAS-7950 XRS-20e AC/HVDC SPARE CHASSIS  (5) 3HE09423AA - APEQ-AC-3000 Power Equalizer Module,  (8) 3HE12313AA - 7950 XRS-20/20e Switch Fabric Module-2  (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB  (3) 3HE11088AA - FAN - 7950 XRS-20e Fan Tray  (2) 3HE07117AA - CCM - 7950 XRS-20 CCM  (1) 3HE11090AA - ACC - 7950 XRS-20e Air Filter Kit</p> <p><b>Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot.</b></p>	\$ 965,000.00	35%	\$ 627,250.00
3HE13822AA	<p>7950 XRS-20 Complete Chassis AC Bundle, shipped with all common hardware.</p> <p>Includes:  (1) 3HE07112AA - CH-BN - 7950 XRS-20 Integrated Chassis  (5) 3HE09423AA - APEQ-AC-3000 Power Equalizer Module,  (8) 3HE12313AA - 7950 XRS-20/20e Switch Fabric Module-2  (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB</p> <p><b>Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot.</b></p>	\$ 965,000.00	35%	\$ 627,250.00
3HE13825AA	<p>SROS VPRN Service Right To Use License. A per system license. Allows the use of up to 64 VPRN Services.  Not controlled by this license: Number of queues or policers, number of SAPs or the number of IES service instances.</p>	\$ 20,000.00	35%	\$ 13,000.00
3HE13826AA	<p>SROS VPRN Service Right To Use License. A per system license. Allows the use of up to 512 VPRN Services.  Not controlled by this license: Number of queues or policers, number of SAPs or the number of IES service instances.</p>	\$ 30,000.00	35%	\$ 19,500.00
3HE13827AA	<p>SROS VPRN Service Right To Use License. A per system license. Allows the use of up to 2,000 VPRN Services.  Not controlled by this license: Number of queues or policers, number of SAPs or the number of IES service instances.</p>	\$ 40,000.00	35%	\$ 26,000.00
3HE13828AA	<p>SROS VPRN Service Right To Use License. A per system license. Allows the use of up to 5,000 VPRN Services.  Not controlled by this license: Number of queues or policers, number of SAPs or the number of IES service instances.</p>	\$ 60,000.00	35%	\$ 39,000.00
3HE13829AA	<p>SROS VPRN Service Right To Use License. A per system license. Allows the use of up to 10,000 VPRN Services.  Not controlled by this license: Number of queues or policers, number of SAPs or the number of IES service instances.</p>	\$ 90,000.00	35%	\$ 58,500.00
3HE13830AA	<p>SROS EVPN Service Right To Use License. A per system license. Allows the use EVPN for VXLAN and/or MPLS tunnels.</p>	\$ 30,000.00	35%	\$ 19,500.00
3HE13831AA	<p>SROS BGP Route Reflector Low-Scale Right To Use License. A per system license. Allows the use of BGP RR support for up to 100k routes.</p>	\$ 25,000.00	35%	\$ 16,250.00
3HE13832AA	<p>SROS BGP Route Reflector High-Scale Right To Use License. A per system license. Allows the use of BGP RR support for up to maximum system scale.</p>	\$ 50,000.00	35%	\$ 32,500.00
3HE13833AA	<p>SROS BGP Optimal Route Reflection Right To Use License. A per system license.</p>	\$ 25,000.00	35%	\$ 16,250.00
3HE13834AA	<p>SROS BGP Inter-AS Peering Low-Scale Right To Use License. A per system license. Enables support for EBGP peers for up to 100k routes.</p>	\$ 50,000.00	35%	\$ 32,500.00
3HE13835AA	<p>SROS BGP Inter-AS Peering High-Scale Right To Use License. A per system license. Enables support for EBGP peers for up to maximum system scale.</p>	\$ 100,000.00	35%	\$ 65,000.00
3HE13836AA	<p>SROS BGP FlowSpec Right To Use License. A per system license. Enables support for BGP FlowSpec.</p>	\$ 10,000.00	35%	\$ 6,500.00
3HE13837AA	<p>SROS BGP QPPB and Policy Accounting Right To Use License. A per system license. Enables support for BGP QPPB and Policy Accounting.</p>	\$ 10,000.00	35%	\$ 6,500.00
3HE13838AA	<p>SROS BGP Multicast Right To Use License. A per system license. Enables support for BGP Multicast. License required to configure any of the following address families: mcast-ipv4, mvpn-ipv4, mdt-safi, mcast-vpn-ipv4, mvpn-ipv6, mcast-ipv6, mcast-vpn-ipv6</p>	\$ 30,000.00	35%	\$ 19,500.00
3HE13839AA	<p>SROS Lawful Intercept (LI) Right To Use License. A per system license. Allows the use of the Lawful Intercept features.</p>	\$ 30,000.00	35%	\$ 19,500.00

3HE13840AA	SROS vRGW Home LAN Extension License – A per system license required to enable home the LAN Extension feature with vRGW.	\$ 100,000.00	35%	\$ 65,000.00
3HE13841AA	SROS DHCP Server User Database License - A per system license. License required for IP address assignment using the Service Router DHCP Server User Database (also required when used with ESM).	\$ 50,000.00	35%	\$ 32,500.00
3HE13842AA	SROS DHCP Server User Database License - A per system license. Up to 10K IP Addresses - License required for IP address assignment using the Service Router DHCP Server User Database. Multiple of these RTUs can be bought to match the total number of IP Addresses required to be allocated by the server. This RTU is not required with ESM host licenses.	\$ 5,000.00	35%	\$ 3,250.00
3HE13847AA	7750 SR-7s DC complete chassis bundle, shipped with all common hardware. Control Redundant. Includes: (1) 3HE11905AA - CHAS - 7750 SR-7s CHASSIS, (1) 3HE12314AA - CMA - 7750 SR-7s DUAL, (2) 3HE11304AA - CPM - 7750 SR-s CPM-7s/14s, (4) 3HE11315AA - SFM - 7750 SR-7s/14s, (4) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY , (1) 3HE11180AA - CHAS - 7750 SR-7s/14s LVDC POWER SHELF, (3) 3HE11185AA - PSU - LVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: LVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), LVDC power shelf accessory kit and power lug kit, and optional air filter door kit. Chassis accessory kit included	\$ 385,000.00	35%	\$ 250,250.00
3HE13848AA	7750 SR-14s DC complete chassis bundle, shipped with all common hardware. Includes: (1) 3HE11301AA - CHAS - 7750 SR-14s CHASSIS, (1) 3HE12315AA - CMA - 7750 SR-14s, (2) 3HE11304AA - CPM - 7750 SR-s CPM-7s/14s, (8) 3HE11315AA - SFM - 7750 SR-7s/14s, (8) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY, (1) 3HE11180AA - CHAS - 7750 SR-7s/14s LVDC POWER SHELF, (5) 3HE11185AA - PSU - LVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: LVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), LVDC power shelf accessory kit and power lug kit, and optional air filter door kit. Chassis accessory kit included	\$ 610,000.00	35%	\$ 396,500.00
3HE13853AA	2-ports 100GBase CWDM4 QSFP28-DD Optic Module, 2KM, SMF, CS connector, RoHS 6/6, Digital Diagnostic Monitor (DDM), 0/70C	\$ 32,000.00	35%	\$ 20,800.00
3HE13854AA	2-ports 100GBase SR4 QSFP28-DD Optic Module, 100M, MMF, MPO connector, RoHS 6/6, Digital Diagnostic Monitor (DDM), 0/70C	\$ 8,000.00	35%	\$ 5,200.00
3HE13856AA	SROS Enhanced Subscriber Management (ESM) subscriber-host license for up to 512K subscriber-hosts.  This is a per system license. Multiple of these RTUs could be bought to match the total number of subscribers targeted to be supported on the chassis.	\$ 180,000.00	35%	\$ 117,000.00
3HE13859AA	SROS Software license to enable Hybrid Access Gateway function to terminate both a fixed (IPoE/PPPoE) connection and a mobile (4G/LTE) connection from an Hybrid CPE (HCPE), with a single IP address per bonded connection, and a configurable adaptive path selection for traffic flows towards the HCPE. This is a per system license.	\$ 100,000.00	35%	\$ 65,000.00
3HE13860AA	SROS Software license required to terminate 4G/LTE access from fixed CPEs. This is a per system license.	\$ 70,000.00	35%	\$ 45,500.00
3HE13861AA	SROS Software license required for terminating dual-stack GTP sessions in increment of 10,000 sessions. This is a per system license.	\$ 30,000.00	35%	\$ 19,500.00
3HE13889AA	7750 SR-1s/2s/7s/14s DC PSU slot filler panel for the Power Shelf	\$ 275.00	35%	\$ 178.75
3HE13890AA	7750 SR-1s/2s/7s/14sAC/HVDC PSU slot filler panel for the Power Shelf	\$ 275.00	35%	\$ 178.75
3HE13895AA	Optical patch panel 1RU holder to host 4 pluggable modules	\$ 1,980.00	35%	\$ 1,287.00
3HE13896AA	1x MPO-12 to 6 (4 used) duplex LC breakout, MMF	\$ 1,920.00	35%	\$ 1,248.00
3HE13897AA	1x MPO-12 to 6 (4 used) duplex LC breakout, SMF	\$ 1,920.00	35%	\$ 1,248.00
3HE13944AA	1x MPO-24 to 12 (10 used) duplex LC breakout, MMF	\$ 2,800.00	35%	\$ 1,820.00
3HE13945AA	1xMPO-24 to 12 (10 used) duplex LC breakout, SMF	\$ 2,800.00	35%	\$ 1,820.00
3HE13950AA	24F SMF MPO-MPO Patch Cable, 10M	\$ 2,800.00	35%	\$ 1,820.00
3HE13951AA	24F MMF MPO-24 to MPO-24 jumper, 10M	\$ 1,360.00	35%	\$ 884.00
3HE13952AA	12F SFM MPO-12 to MPO-12 jumper, 10M	\$ 960.00	35%	\$ 624.00
3HE13953AA	12F MMF MPO-12 to MPO-12 jumper, 10M	\$ 880.00	35%	\$ 572.00
3HE13955AA	7750 SR 3-ports CFP2-DCO MDA-e-XP. Accepts three (3) Optic Module CFP2/CFP2-DCO  7750 SR-7/12-B 3-port CFP2-DCO MDA-e-XP on the SR-7/12-B chassis specifically: • Up to 2x MDA-e-XP 3-port CFP2-DCOs per IOM5-e • With two of these MDA-e-XP in place, optics options are:  -3x CFP2 (@100G each) in potentially all 6 ports, or-1x CFP2-DCO in the middle position on each of the two MDA-e-XP for a total of 2x 200G ports	\$ 175,000.00	35%	\$ 113,750.00
3HE13956AA	7750 SR-s XMA (Expandable Media Adapter), 3x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This is a non-upgradeable 3 Complex XMA-s	\$ 924,000.00	35%	\$ 600,600.00
3HE13956BA	7750 SR-s XMA (Expandable Media Adapter), 3x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This is a non-upgradeable 3 Complex XMA-s	\$ 1,164,000.00	35%	\$ 756,600.00

3HE13956CA	7750 SR-s XMA (Expandable Media Adapter), 3x FP4 complex, performance restricted to 3.6T FD, port restricted to 36-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This is a non-upgradeable 3 Complex XMA-s	\$ 1,404,000.00	35%	\$ 912,600.00
3HE13957AA	Upgrade license from 1.6Tbps 16 port QSFP28 XMA-CR to 2.4Tbps 24port QSFP28 XMA-CR <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 333,333.33	35%	\$ 216,666.67
3HE13959AA	Nuage 7850 Network Services Gateway – E206. AC powered with 2 dual-PHY ports supporting 10/100/1000BASE-X or 10/100/1000BASE-T, 4 LAN 10/100/1000BASE-T ports, integrated 802.11ac WiFi access point, integrated ITU Region 1/2 (EMEA/Americas) LTE uplink with dual SIM, USB, and RJ-45 console. Included in bundle is qty=1 3HE11925AA AC power supply. One C13 power cord must be purchased separately. Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 2,395.00	35%	\$ 1,556.75
3HE13960AA	Nuage 7850 Network Services Gateway – E306. AC powered with 2 dual-PHY ports supporting 10/100/1000BASE-X or 10/100/1000BASE-T, 4 LAN 10/100/1000BASE-T ports, integrated 802.11ac WiFi access point, integrated ITU Region 1/2 (EMEA/Americas) LTE uplink with dual SIM, USB, and RJ-45 console. Included in bundle is qty=1 3HE11925AA AC power supply. One C13 power cord must be purchased separately. Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 2,795.00	35%	\$ 1,816.75
3HE13961AA	Nuage 7850 Network Services Gateway – E307. AC powered with 2 dual-PHY ports supporting 10/100/1000BASE-X or 10/100/1000BASE-T, 4 LAN 10/100/1000BASE-T ports, integrated 802.11ac WiFi access point, integrated ITU Region 3 (APAC) LTE uplink with dual SIM, USB, and RJ-45 console. Included in bundle is qty=1 3HE11925AA AC power supply. One C13 power cord must be purchased separately. Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 2,795.00	35%	\$ 1,816.75
3HE13978AA	L2/L3 Domains + branch management license. <ul style="list-style-type: none"> <li>Traffic reports suite with dashboard widget</li> <li>Application Discovery Reports with Dashboard widget</li> <li>Network Performance Report</li> <li>Application Aware control, Application SLA Violation Report with Dashboard widget</li> <li>Organization/Customers Management</li> <li>100 active users support per Cluster Node (No enforcement)</li> </ul> Note: This requires minimum Nuage VSD (Standalone) license as a pre-requisite Service Gateway (NSG)	\$ 39,995.00	35%	\$ 25,996.75
3HE13979AA	Nuage SD-WAN Portal - Standalone (RTU) + HA Cluster license. This is not an add on. Requires Nuage VSD HA cluster as a pre-requisite	\$ 69,995.00	35%	\$ 45,496.75
3HE13980BA	This is a bundle of Nuage VSD - Standalone (RTU) + Nuage SD-WAN Portal - Standalone (RTU). This is not an add-on	\$ 79,995.00	35%	\$ 51,996.75
3HE13981BA	This is a bundle of Nuage VSD - HA Cluster (RTU) + Nuage SD-WAN Portal - HA Cluster (RTU). This is not an add-on	\$ 169,995.00	35%	\$ 110,496.75
3HE13982AA	This is a per branch license to cover Nuage SD-WAN Portal platform functionality across branches (CPEs).  Note: This requires minimum Nuage SD-WAN Portal (standalone) license as a pre-requisite.	\$ 150.00	35%	\$ 97.50
3HE13983AA	License to allow SP to create special customers which can act as reseller/wholesaler. <ul style="list-style-type: none"> <li>Reseller users can manage their end customer organizations independent of other resellers or direct customers</li> <li>Reseller can manage access control for its end customer as they like to</li> <li>Reseller end customers will have the exact same user experience as regular end customers</li> <li>Reseller can setup their color branding and logo for their customers</li> <li>Reseller or their end customers can setup their language of preference independent of other resellers or end customers</li> </ul> This requires minimum Nuage SD-WAN (Standalone) license as a pre-requisite.	\$ 59,995.00	35%	\$ 38,996.75
3HE13984AA	Authentication through single sign on using SAML 2.0 Users and roles mappings to portal permissions This requires minimum Nuage SD-WAN (Standalone) license as a pre-requisite.	\$ 33,495.00	35%	\$ 21,771.75
3HE13985AA	Billing events tracking and ability to access the billing data via API using REST interface This requires minimum Nuage SD-WAN (Standalone) license as a pre-requisite.	\$ 49,495.00	35%	\$ 32,171.75
3HE13986AA	Nuage Virtualized Network Services (VNS) Annual Right-To-Use license for hosting one Virtual Network Functions (VNF) on Network Service Gateway (NSG)	\$ 30.00	35%	\$ 19.50
3HE13987AA	Nuage Virtualized Services Directory (VSD) network-wide annual RTU license for lifecycle management for 500 Virtual Network Functions (VNF)	\$ 3,995.00	35%	\$ 2,596.75
3HE13988AA	SROS license for 64k to 256k ACL entries per router, this is a per system license. Network size 1 is a network of 1 to 5 routers total.	\$ 75,000.00	35%	\$ 48,750.00
3HE13989AA	SROS license for 64k to 256k ACL entries per router, this is a per system license. Network size 2 is a network of 6 to 25 routers total.	\$ 60,000.00	35%	\$ 39,000.00
3HE13990AA	SROS license for 64k to 256k ACL entries per router, this is a per system license. Network size 3 is a network of 26 to 50 or more routers total.	\$ 50,000.00	35%	\$ 32,500.00
3HE13991AA	SROS license for 64k to 512k ACL entries per router, this is a per system license. Network size 1 is a network of 1 to 5 routers total.	\$ 125,000.00	35%	\$ 81,250.00
3HE13992AA	SROS license for 64k to 512k ACL entries per router, this is a per system license. Network size 2 is a network of 6 to 25 routers total.	\$ 100,000.00	35%	\$ 65,000.00
3HE13993AA	SROS license for 64k to 512k ACL entries per router, this is a per system license. Network size 3 is a network of 26 to 50 or more routers total.	\$ 85,000.00	35%	\$ 55,250.00
3HE13994AA	SROS license for using FP4 payload pattern ACL entries, this is a per system license. Network size 1 is a network of 1 to 5 routers total.	\$ 200,000.00	35%	\$ 130,000.00
3HE13995AA	SROS license for using FP4 payload pattern ACL entries, this is a per system license. Network size 2 is a network of 6 to 25 routers total.	\$ 160,000.00	35%	\$ 104,000.00
3HE13996AA	SROS license for using FP4 payload pattern ACL entries, this is a per system license. Network size 3 is a network of 26 to 50 or more routers total.	\$ 135,000.00	35%	\$ 87,750.00
3HE13998AA	1-port 100/200G Coherent CFP2-DCO pluggable, SMF, 100G Coherent tunable DWDM, 0/70C	\$ 178,000.00	35%	\$ 115,700.00
3HE14002AA	2-ports 100GBase LR4 QSFP28-DD Optic Module, 10KM, SMF, CS connector, RoHS 6/6, Digital Diagnostic Monitor (DDM), 0/70C	\$ 45,000.00	35%	\$ 29,250.00
3HE14004AA	1-port 10GE Small Form-Factor Pluggable (SFP+) Optics Module, Single Mode Fiber (SMF), 80km, Tunable across C-Band, LC Connector, Digital Diagnostic Monitor(DDM), RoHS 6/6 compliant, Low Power version, -40/85C	\$ 27,500.00	35%	\$ 17,875.00

3HE14027AA	7750 SR-s IOM-s (Input/Output Module) 3.0T IOM-s Core Routing, accepts two modular MDA-s, 2x FP4 complex, CR (Core Router) feature set. MDA-s impedance panels needs to be added separately. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Hardware performance up to 3.0T.	\$ 985,000.00	35%	\$ 640,250.00
3HE14027BA	7750 SR-s IOM-s (Input/Output Module) 3.0T IOM-s Edge Routing, accepts two modular MDA-s, 2x FP4 complex, ER (Edge Router) feature set. MDA-s impedance panels needs to be added separately. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Hardware performance up to 3.0T.	\$ 1,185,000.00	35%	\$ 770,250.00
3HE14027CA	7750 SR-s IOM-s (Input/Output Module) 3.0T IOM-s High-Scale Edge Routing, accepts two modular MDA-s, 2x FP4 complex, HE (High-Scale Edge) feature set. MDA-s impedance panels needs to be added separately. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Hardware performance up to 3.0T.	\$ 1,385,000.00	35%	\$ 900,250.00
3HE14029AA	7750 SR-14s/7s/2/1s MDA-s Impedance Panel, must be installed in each and every empty MDA-s slot.	\$ 2,900.00	35%	\$ 1,885.00
3HE14032AA	7750 SR-2s LVDC complete chassis bundle, shipped with all common hardware. Includes: (1) 3HE12340AA - CHAS - 7750 SR-2s chassis + LVDC Power Shelf (3) 3HE12375AB - FAN - 7750 SR-2s Fan Module (3) 3HE11185AA - PSU - LVDC 6kw Power Supply (2) 3HE14034AA - CPM - 7750 SR-2s CPM-2s  Important Rules; - Using the 2, 3, or 4-complex XMA-s requires both XCM-2s cards for 100% line-rate traffic on all ports simultaneously. - If using IOM-s-1.5T or IOM-s-3.0T only a single XCM-2s is required for 100% line-rate traffic.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s) and optional air filter kit. Accessory kit is included and contains power and ground lugs. PSU filler panels are included for empty slots.	\$ 100,000.00	35%	\$ 65,000.00
3HE14033AA	7750 SR-2s AC/HVDC complete chassis bundle, shipped with all common hardware. Includes: (1) 3HE12340BA - CHAS - 7750 SR-2s chassis + AC/HVDC Power Shelf (3) 3HE12375AB - FAN - 7750 SR-2s Fan Module (3) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply (2) 3HE14034AA - CPM - 7750 SR-2s CPM-2s  Important Rules; - Using the 2, 3, or 4-complex XMA-s requires both XCM-2s cards for 100% line-rate traffic on all ports simultaneously. - If using IOM-s-1.5T or IOM-s-3.0T only a single XCM-2s is required for 100% line-rate traffic.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s), Power Cords and optional air filter kit. Accessory kit included.	\$ 100,000.00	35%	\$ 65,000.00
3HE14034AA	CPM - 7750 SR-s CPM-2s	\$ 10,000.00	35%	\$ 6,500.00
3HE14035AA	10-port 10/1GE SFP+/SFP MACsec MDA-a XP for the 7750 SR-a family. Optics Module must be purchased separately.	\$ 32,900.00	35%	\$ 21,385.00
3HE14047AA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per VRS-G host	\$ 1,225.00	35%	\$ 796.25
3HE14048AA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per VRS-G host	\$ 495.00	35%	\$ 321.75
3HE14049AA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per VRS host	\$ 2,995.00	35%	\$ 1,946.75
3HE14050AA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per VRS-G host	\$ 2,995.00	35%	\$ 1,946.75
3HE14051AA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per VRS host	\$ 1,245.00	35%	\$ 809.25
3HE14052AA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per VRS-G host	\$ 1,245.00	35%	\$ 809.25
3HE14104AA	ACC – Rail-kit (fits 19" Rack Mount and 21" Open Rack for 1 system)	\$ 615.00	35%	\$ 399.75
3HE14107AA	Deepfield Software Release Subscription For NAR ONLY (Required for software upgrades/updates - contact local Deepfield representative on how to calculate this per offer)	\$ 50,000.00	35%	\$ 32,500.00
3HE14108AA	Deepfield Software Release Subscription For NON USA ONLY (Required for software upgrades/updates - contact local Deepfield representative on how to calculate this per offer)	\$ 50,000.00	35%	\$ 32,500.00
3HE14110AA	Deepfield Network Intelligence Bandwidth Bundle License PER Gbps Monitored For Gbps >=7001 But <=100000 - PERPETUAL LICENSE	\$ 253.00	35%	\$ 164.45
3HE14111AA	Deepfield Network Intelligence Bandwidth Bundle License PER Gbps Monitored For Gbps >=100000 - PERPETUAL LICENSE	\$ 67.00	35%	\$ 43.55
3HE14112AA	Deepfield Network Intelligence Bandwidth Bundle License PER Gbps Monitored For Gbps >=50 But <=7000 - 3-YEAR TERM LICENSE	\$ 540.00	35%	\$ 351.00
3HE14113AA	Deepfield Network Intelligence Bandwidth Bundle License PER Gbps Monitored For Gbps >=7001 But <=100000 - 3-YEAR TERM LICENSE	\$ 225.00	35%	\$ 146.25
3HE14114AA	Deepfield Network Intelligence Bandwidth Bundle License PER Gbps Monitored For Gbps >=100000 - 3-YEAR TERM LICENSE	\$ 60.00	35%	\$ 39.00
3HE14117AA	7750 SR-1s/2s/7s/14s Release 16.0 Operating Software License. Notes: One (1) Operating Software License is required for each SR-1s/2s/7s/14s in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.	\$ 17,500.00	35%	\$ 11,375.00
3HE14148AA	SAR-Hm Release 16.0 OS Upgrade for the basic suite of functionality. One (1) OS Upgrade is required for each SAR-Hm in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 450.00	35%	\$ 292.50
3HE14148AB	7705 SAR-Hm/Hmc Release 19.x OS Upgrade for the basic suite of functionality. One (1) OS Upgrade is required for each SAR-Hm/Hmc in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 450.00	35%	\$ 292.50
3HE14148AC	7705 SAR-Hm/Hmc Release 20.x OS Upgrade for the basic suite of functionality. One (1) OS Upgrade is required for each SAR-Hm/Hmc in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 450.00	35%	\$ 292.50
3HE14160AA	SYS - 7250 IXR-s AC Bundle contains: (1) 3HE13343AA SYS - 7250 IXR-s (1) 3HE13344AA AC Power Supply (s) (6) 3HE13346AA 7250 IXR Fan (s)	\$ 122,960.00	35%	\$ 79,924.00
3HE14161AA	SYS - 7250 IXR-s DC Bundle contains: (1) 3HE13343AA SYS - 7250 IXR-s (1) 3HE13345AA DC Power Supply (s) (6) 3HE13346AA 7250 IXR Fan(s)	\$ 122,960.00	35%	\$ 79,924.00

3HE14163DA	OS - 7210 SAS-K 35FP+ 8C ETR, Release 20.X Base OS License / Native and MPLS Ethernet L2 VPNs License.  This is a per chassis license valid for release 20.X. It provides the Base OS and includes support for native and MPLS-based Ethernet services (e.g. Layer-2 VPLS and Epipe services). It also includes support for syncE and PTP.  It excludes the use IP services (e.g. VPRNs and IES services).  It must also be purchased for upgrade to release 20.X. It will shipped on a SD Card.	\$ 600.00	35%	\$ 390.00
3HE14164AA	RTU - 7210 SAS-K 35FP+ 8C ETR, IP services License.  This is a per chassis license. It is a one-time license to enable IP services on the node. It enables support of IP services (e.g. VPRN, IES and L3 VPNs using BGP 3107).	\$ 400.00	35%	\$ 260.00
3HE14165AA	RTU - 7210 SAS Y.1564 testhead license.  This is a per chassis license. It is a one-time license to use the Y.1564 testhead service test framework capabilities on the node. It is required to use this capability on 7210 SAS-K 2F1C2T (ETR and non-ETR), 7210 SAS-K 2F6C4T (ETR and non-ETR) and 7210 SAS-K 35FP+8C ETR platforms.	\$ 300.00	35%	\$ 195.00
3HE14280AA	7750 SR-1s/2s LVDC chassis accessory kit. (1) CABLE, CONSOLE, DB-9 TO RJ-45 (8) 12-24 COMB.PAN HEAD,PILOT POINT,RACK MNTNG. SCREW (34) NUT 1/4-20 CONICAL KEPS STL ZR (16) CONN,LUG,#4 AWG WIRE, 1/4" BOLT HOLES, .63" SPACING,RIGHT ANGLE (1) LUG, 4 AWG, 45 DEGREE BARREL, 0.25" STUD HOLES ON 0.625 SPACING (1) WRIST STRAP, ELASTIC, 6' COIL CORD (1) 3HE12566AA ACC - SR-s CLEANING TOOL, HONEYCOMB	\$ 2,200.00	35%	\$ 1,430.00
3HE14281AA	7750 SR-1s/2s AC/HVDC chassis accessory kit (1) CABLE, CONSOLE, DB-9 TO RJ-45 (8) 12-24 COMB.PAN HEAD,PILOT POINT,RACK MNTNG. SCREW (2) NUT 1/4-20 CONICAL KEPS STL ZR (1) LUG, 4 AWG, 45 DEGREE BARREL, 0.25" STUD HOLES ON 0.625 SPACING (1) WRIST STRAP, ELASTIC, 6' COIL CORD (1) 3HE12566AA ACC - SR-s CLEANING TOOL, HONEYCOMB	\$ 2,200.00	35%	\$ 1,430.00
3HE14282AA	2x MPO-12 to 12 (8 used) duplex LC breakout, MMF	\$ 2,800.00	35%	\$ 1,820.00
3HE14283AA	2x MPO-12 to 12 (8 used) duplex LC breakout, SMF	\$ 2,800.00	35%	\$ 1,820.00
3HE14284AA	2 MPO24 to 4 MPO12 breakout, MMF	\$ 3,800.00	35%	\$ 2,470.00
3HE14287AA	7750 SR-2s Non-Control Redundant LVDC complete chassis bundle, shipped with all common hardware. Includes: (1) 3HE12340AA - CHAS - 7750 SR-2s chassis + LVDC Power Shelf (3) 3HE12375AB - FAN - 7750 SR-2s Fan Module (3) 3HE11185AA - PSU - LVDC 6kw Power Supply (1) 3HE14034AA - CPM - 7750 SR-2s CPM-2s  Important Rules; - Using the 2, 3, or 4-complex XMA-s requires both XCM-2s cards for 100% line-rate traffic on all ports simultaneously. - If using IOM-s-1.5T or IOM-s-3.0T only a single XCM-2s is required for 100% line-rate traffic.  Additional items in which will need to be purchased separately are; Impedence Panels in all empty slots (XCM-s, XMA-s, CPM-s)and optional air filter kit. Accessory kit is included and contains power and ground lugs. PSU filler panels are included for empty slots.	\$ 95,000.00	35%	\$ 61,750.00
3HE14288AA	7750 SR-2s Non-Control Redundant AC/HVDC complete chassis bundle, shipped with all common hardware. Includes: (1) 3HE12340BA - CHAS - 7750 SR-2s chassis + AC/HVDC Power Shelf (3) 3HE12375AB - FAN - 7750 SR-2s Fan Module (3) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply (1) 3HE14034AA - CPM - 7750 SR-2s CPM-2s  Important Rules; - Using the 2, 3, or 4-complex XMA-s requires both XCM-2s cards for 100% line-rate traffic on all ports simultaneously. - If using IOM-s-1.5T or IOM-s-3.0T only a single XCM-2s is required for 100% line-rate traffic.  Additional items in which will need to be purchased separately are; Impedence Panels in all empty slots (XCM-s, XMA-s, CPM-s), Power Cords and optional air filter kit. Accessory kit included.	\$ 95,000.00	35%	\$ 61,750.00
3HE14296AA	7750 SR-s IOM-s (Input/Output Module) 2.4T IOM-s Core Routing, accepts two modular MDA-s, 2x FP4 complex, CR (Core Router) feature set. MDA-s impedance panels needs to be added separately. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE14027xA - XMA - IOM-s - SR-s IOM-s 3.0T"  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable to 3.0T.	\$ 800,000.00	35%	\$ 520,000.00
3HE14296BA	7750 SR-s IOM-s (Input/Output Module) 2.4T IOM-s Edge Routing, accepts two modular MDA-s, 2x FP4 complex, ER (Edge Router) feature set. MDA-s impedance panels needs to be added separately. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE14027xA - XMA - IOM-s - SR-s IOM-s 3.0T"  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable to 3.0T.	\$ 960,000.00	35%	\$ 624,000.00
3HE14296CA	7750 SR-s IOM-s (Input/Output Module) 2.4T IOM-s High-Scale Edge Routing, accepts two modular MDA-s, 2x FP4 complex, HE (High-Scale Edge) feature set. MDA-s impedance panels needs to be added separately. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE14027xA - XMA - IOM-s - SR-s IOM-s 3.0T"  Full High-Scale Edge feature set Hardware performance upgradeable to 3.0T.	\$ 1,120,000.00	35%	\$ 728,000.00
3HE14297AA	UPG - IOM-s 1.6T CR to 2.4T CR	\$ 333,333.33	35%	\$ 216,666.67

3HE14298AA	UPG - IOM-s 1.6T ER to 2.4T ER	\$ 400,000.00	35%	\$ 260,000.00
3HE14299AA	UPG - IOM-s 1.6T HE to 2.4T HE	\$ 466,666.67	35%	\$ 303,333.33
3HE14300AA	UPG - IOM-s 1.6T CR to 1.6T ER	\$ 133,333.33	35%	\$ 86,666.67
3HE14301AA	UPG - IOM-s 1.6T ER to 1.6T HE	\$ 133,333.33	35%	\$ 86,666.67
3HE14303AA	UPG - IOM-s 2.4T CR to 2.4T ER	\$ 200,000.00	35%	\$ 130,000.00
3HE14305AA	UPG - IOM-s 2.4T CR to 3.0T CR	\$ 231,250.00	35%	\$ 150,312.50
3HE14306AA	UPG - IOM-s 2.4T ER to 2.4T HE	\$ 200,000.00	35%	\$ 130,000.00
3HE14307AA	UPG - IOM-s 2.4T ER to 3.0T ER	\$ 281,250.00	35%	\$ 182,812.50
3HE14308AA	UPG - IOM-s 2.4T HE to 3.0T HE	\$ 331,250.00	35%	\$ 215,312.50
3HE14309AA	UPG - IOM-s 3.0T CR to 3.0T ER	\$ 250,000.00	35%	\$ 162,500.00
3HE14310AA	UPG - IOM-s 3.0T ER to 3.0T HE	\$ 220,000.00	35%	\$ 143,000.00
3HE14341AA	ACC-7210SAS-Sx 10/100 19" Rear Rack Mount	\$ 275.00	35%	\$ 178.75
3HE14343AA	2-port 10G SFP+ Module for Nuage 7850 Network Services Gateway-X (NSG-X). Optical SFP+ transceivers must be purchased separately. Note: Compatible only with NSG-X appliance and not compatible with NSG-X600 Series appliances.	\$ 795.00	35%	\$ 516.75
3HE14344AA	4-port 1G SFP Module for Nuage 7850 Network Services Gateway-X (NSG-X). Optical SFP transceivers must be purchased separately. Note: Compatible only with NSG-X appliance and not compatible with NSG-X600 Series appliances.	\$ 495.00	35%	\$ 321.75
3HE14345AA	4-port 100GBASE-T Module for Nuage 7850 Network Services Gateway-X (NSG-X). Note: Compatible only with NSG-X appliance and not compatible with NSG-X600 Series appliances.	\$ 695.00	35%	\$ 451.75
3HE14519AA	Rack mounted panel perforated to allow airflow through it, typically used as part of slide mounting the unit in a rack	\$ 55.00	35%	\$ 35.75
3HE14583CA	OS - 7210 SAS-Mxp, Release 20.X Base OS License, Satellite Mode.  This is a per chassis license for release 20.X. It allows for operating the chassis in satellite mode. It is required to operate 7210 SAS-Mxp ETR and non-ETR chassis, in satellite mode.  It excludes the use standalone mode of operation. It must also be purchase for upgrade to release 20.X. Includes one (1) programmed 2GB Compact Flash cards with the Operating Software.	\$ 500.00	35%	\$ 325.00
3HE14630AA	7250 IXR Release 19.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-e Big (2p 100G, 8p 25G, 24p 10G) in the network. Includes OS programed on SD card(s)	\$ 3,000.00	35%	\$ 1,950.00
3HE14630BA	7250 IXR Medium variants Release 19.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-e (2p 100G, 8p 25G, 24p 10G including GNSS variants) in the network. Includes programmed media with the Operating Software.	\$ 3,500.00	35%	\$ 2,275.00
3HE14631AA	7250 IXR Release 19.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-e Small (14p 10G, 4p Tx) in the network. Includes OS programed on SD card(s)	\$ 1,000.00	35%	\$ 650.00
3HE14631BA	7250 IXR Small variants Release 19.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-e (14p 10G, 4p Tx including GNSS variants) in the network. Includes programmed media with the Operating Software.	\$ 1,500.00	35%	\$ 975.00
3HE14648AA	7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 785,000.00	35%	\$ 510,250.00
3HE14648BA	7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 945,000.00	35%	\$ 614,250.00
3HE14648CA	7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 1,105,000.00	35%	\$ 718,250.00
3HE14649AA	1-port 10GBase Small Form-Factor Pluggable (SFP+) eZR Optic Module, 1550nm, up to 110km, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, 0/70C	\$ 20,995.00	35%	\$ 13,646.75
3HE14657AA	ACC - 7750 SR-2s spare air filters qty 10	\$ 2,500.00	35%	\$ 1,625.00
3HE14658AA	7750 SR-1s Air Filter mounting Hardware kit. Ships with one filter media. <b>The Filter kit is highly recommend for every installation and therefore, should be order with each system</b>	\$ 7,500.00	35%	\$ 4,875.00
3HE14659AA	ACC - 7750 SR-1s spare air filters qty 10	\$ 2,000.00	35%	\$ 1,300.00
3HE14782AA	7250 IXR-e 24xSFP+/SFP + 8xQSFP28/SFP+ + 2xQSFP28 (IXR-e Big). Supports redundant removable power supplies and removable fan filter. Ships with one fan filter installed. PSUs, software licenses and other accessories sold separately.	\$ 28,600.00	35%	\$ 18,590.00
3HE14783AA	7250 IXR-e 14xSFP+/SFP + 4xRJ45 (IXR-e Small). Supports redundant removable power supplies and removable fan filter. Ships with one fan filter installed. PSUs, software licenses and other accessories sold separately.	\$ 21,900.00	35%	\$ 14,235.00
3HE14784AA	PS - 7250 IXR-e AC Fits both IXR-e Models	\$ 1,100.00	35%	\$ 715.00
3HE14785AA	PS - 7250 IXR-e 20-60V DC Fits both IXR-e platforms	\$ 1,320.00	35%	\$ 858.00
3HE14796AA	SYS - 7210 SAS-Dxp 25FP+ 4F 6T AC	\$ 2,074.00	35%	\$ 1,348.10
3HE14797AA	SYS - 7210 SAS-Dxp 25FP+ 4F 6T DC -48V	\$ 2,213.00	35%	\$ 1,438.45
3HE14798AA	SYS - 7210 SAS-Dxp 25FP+ 4F 6T ETR AC For redundant Power Supply see 3HE10964 & 3HE10965	\$ 2,768.00	35%	\$ 1,799.20
3HE14799AA	SYS - 7210 SAS-Dxp 25FP+ 4F 6T ETR DC -48V For redundant Power Supply see 3HE10964 & 3HE10965	\$ 2,835.00	35%	\$ 1,842.75



3HE14816AA	<p>QSFP28 - SFP28/SFP+ Adapter, 0/70C</p> <p>7750/7950 - QSFP28 - SFP28/SFP+ Adapter will only support 10GE SFP+ in the FP4 based cards, 25GE SFP28 will not be supported.</p> <p>7250 - QSFP28 - SFP28/SFP+ Adapter will only support 25G SFP28 in the QSFP28 base cards, 10GE SFP+ will not be supported.</p>	\$ 550.00	35%	\$ 357.50
3HE14833AA	SFP – GNSS SFP – support GPS G.8275.1 full timing support with Ethernet encapsulation. GPS receiver and grandmaster.	\$ 5,000.00	35%	\$ 3,250.00
3HE14834AA	1-port 25GBASE-SR Small Form-Factor Pluggable+ (SFP28) Optics Module, Multi-Mode Fiber (MMF), 100m, 850nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 1,250.00	35%	\$ 812.50
3HE14835AA	1-port 25GBASE-LR Small Form-Factor Pluggable+ (SFP28) Optics Module, Single Mode Fiber (SMF), 10km, 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 2,500.00	35%	\$ 1,625.00
3HE14888AA	7750 SR 8-ports 10/25GE MDA-e supports MACsec on all ports. Accepts eight (8) SFP+/SFP28 10Gbase or 25Gbase Optic Modules.	\$ 220,000.00	35%	\$ 143,000.00
3HE14984AA	RTU - Right to Use - 1GE MACSEC (1 License per MACsec enabled port)	\$ 2,000.00	35%	\$ 1,300.00
3HE14986AA	RTU - Right to Use - 10GE MACSEC (1 License per MACsec enabled port))	\$ 5,000.00	35%	\$ 3,250.00
3HE14987AA	RTU - Right to Use - 25GE MACSEC (1 License per MACsec enabled port))	\$ 7,500.00	35%	\$ 4,875.00
3HE14988AA	RTU - Right to Use - 100GE MACSEC (1 License per MACsec enabled port))	\$ 10,000.00	35%	\$ 6,500.00
3HE14989AA	Nuage 7850 Network Services Gateway – E207. AC powered with 2 dual-PHY ports supporting 10/100/1000BASE-X or 10/100/1000BASE-T, 4 LAN 10/100/1000BASE-T ports, integrated 802.11ac WiFi access point, integrated ITU Region 3 (APAC) LTE uplink with dual SIM, USB, and RJ-45 console. Included in bundle is qty=1 3HE11925AA AC power supply. One C13 power cord must be purchased separately . Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 2,395.00	35%	\$ 1,556.75
3HE15005AA	<p>Nuage SD-WAN Portal - Standalone Annual RTU Subscription which includes</p> <ul style="list-style-type: none"> <li>• L2/L3 Domains + branch management license</li> <li>• Traffic reports suite with dashboard widget</li> <li>• Application Discovery Reports with Dashboard widget</li> <li>• Network Performance Report</li> <li>• Application Aware control, Application SLA Violation Report with Dashboard widget</li> <li>• Organization/Customers Management</li> <li>• 100 active users support per Cluster Node (No enforcement)</li> </ul> <p>Note: This requires minimum Nuage VSD (Standalone) license as a pre-requisite</p>	\$ 15,998.00	35%	\$ 10,398.70
3HE15006AA	<p>Nuage SD-WAN Portal - Cluster Annual RTU Subscription</p> <p>- This is not an add on license, it includes Standalone yearly subscription as well</p> <p>- This requires Nuage VSD HA cluster as a pre-requisite</p>	\$ 27,998.00	35%	\$ 18,198.70
3HE15007BA	This is a bundle of Nuage VSD - Standalone (Annual RTU Subscription) + Nuage SD-WAN Portal - Annual RTU Subscription. This is not an add-on	\$ 31,998.00	35%	\$ 20,798.70
3HE15008BA	This is a bundle of Nuage VSD - HA Cluster (Annual RTU Subscription) + Nuage SD-WAN Portal - HA Cluster (Annual RTU Subscription). This is not an add-on	\$ 67,998.00	35%	\$ 44,198.70
3HE15009AA	This is a per branch RTU annual subscription to cover Nuage SD-WAN Portal platform functionality across branches (CPEs). Note: This requires minimum Nuage VSD (Standalone) license as a pre-requisite.	\$ 60.00	35%	\$ 39.00
3HE15010AA	<ul style="list-style-type: none"> <li>• Allow SP to create special customers which can act as reseller/wholesaler</li> <li>• Reseller users can manage their end customer organizations independent of other resellers or direct customers</li> <li>• Reseller can manage access control for its end customer as they like to</li> <li>• Reseller end customers will have the exact same user experience as regular end customers</li> <li>• Reseller can setup their color branding and logo for their customers</li> <li>• Reseller or their end customers can setup their language of preference independent of other resellers or end customers</li> </ul> <p>This requires minimum Nuage SD-WAN (Standalone) annual subscription as a pre-requisite.</p>	\$ 23,998.00	35%	\$ 15,598.70
3HE15011AA	<p>Authentication through single sign on using SAML 2.0</p> <p>Users and roles mappings to portal permissions</p> <p>This requires minimum Nuage SD-WAN (Standalone) yearly subscription as a pre-requisite.</p>	\$ 13,398.00	35%	\$ 8,708.70
3HE15012AA	<p>Billing events tracking and ability to access the billing data via API using REST interface</p> <p>This requires minimum Nuage SD-WAN (Standalone) yearly subscription as a pre-requisite.</p>	\$ 19,798.00	35%	\$ 12,868.70
3HE15022AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Right-To-Use 100Mbps	\$ 165.00	35%	\$ 107.25
3HE15023AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Right-To-Use 200Mbps	\$ 255.00	35%	\$ 165.75
3HE15024AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Right-To-Use 500Mbps	\$ 420.00	35%	\$ 273.00
3HE15025AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering RTU License 1Gbps	\$ 825.00	35%	\$ 536.25
3HE15026AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering RTU License 2Gbps	\$ 2,475.00	35%	\$ 1,608.75
3HE15027AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering RTU License 10Gbps	\$ 2,970.00	35%	\$ 1,930.50
3HE15028AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Annual Right-To-Use 100Mbps	\$ 67.00	35%	\$ 43.55
3HE15029AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Annual Right-To-Use 200Mbps	\$ 104.00	35%	\$ 67.60
3HE15030AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Annual Right-To-Use 500Mbps	\$ 171.00	35%	\$ 111.15
3HE15031AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Annual RTU License 1Gbps	\$ 336.00	35%	\$ 218.40
3HE15032AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Annual RTU License 2Gbps	\$ 1,008.00	35%	\$ 655.20
3HE15033AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Annual RTU License 10Gbps	\$ 1,209.00	35%	\$ 785.85
3HE15151AA	7750 SR 16-ports 10/25GBase MACsec + 2-ports 10/40/100GBase MDA-e-XP. Accepts sixteen (16) 10/25GBase Optic Module SFP+/SFP28 + two (2) 10/40/100GBase QSFP+/QSFP28 pluggable optics.	\$ 120,000.00	35%	\$ 78,000.00
3HE15152AA	<p>7750 SR 6-ports 10/40/100/400GBase QSFP-DD MDA-e-XP. Accepts six (6) 10/40/100/400GBase Optic Mod7750 SR 6-ports 10/40/100/400GBase QSFP-DD MDA-e-XP, designed to maximize 4x100G breakout, 400G interfaces can be used with iFIFO. If 1x400G line-rate is required use the 3HE15764AA - MDA-e-XP 7750 SR 3pt QSFP-DD for 400G interfaces .</p> <p>Accepts six (6) 100G, 2x100G, 4x10, 1x40G and 10x10GBase Optic Module QSFP+/QSFP28/QSFP28-DD/QSFP56-DD. ule QSFP+/QSFP28/QSFP28-DD/QSFP56-DD.</p>	\$ 168,000.00	35%	\$ 109,200.00
3HE15182AA	<p>7750 SR IOM5-e, 1x FP4 complex, performance restricted to 800G FD non-redundant, accepts two (2) MDA-e-XP. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This card is based off “3HE12332xA - IOM - 7750 SR IOM5-e” licensed to 800G throughput.</p> <p>Software scale upgradeable to ER or HE feature set.</p> <p>Hardware performance upgradeable from 800G to 1.5T</p> <p><b>7750 SR-7/12-B</b> - licensed to 800G non-redundant throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP is not supported</p> <p><b>7750 SR-12e</b> - licensed to 800G redundant throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions</p>	\$ 400,000.00	35%	\$ 260,000.00

3HE15182BA	7750 SR IOM5-e, 1x FP4 complex, performance restricted to 800G FD non-redundant, accepts two (2) MDA-e-XP. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE12332xA - IOM - 7750 SR IOM5-e" licensed to 400G throughput.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 800G to 1.5T  <b>7750 SR-7/12-B</b> - licensed to 800G non-redundant throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP is not supported <b>7750 SR-12e</b> - licensed to 800G redundant throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions	\$ 466,666.67	35%	\$ 303,333.33
3HE15182CA	7750 SR IOM5-e, 1x FP4 complex, performance restricted to 800G FD non-redundant, accepts two (2) MDA-e-XP. High-Scale Edge (ER) no restrictions on h/w queues or egress policers  This card is based off "3HE12332xA - IOM - 7750 SR IOM5-e" licensed to 800G throughput.  Full High-Scale Edge feature set Hardware performance upgradeable from 800G to 1.5T  <b>7750 SR-7/12-B</b> - licensed to 800G non-redundant throughput up to 1.5T intelligent fan-in/fan-out. 12pt 100G QSFP28 MDA-e-XP is not supported <b>7750 SR-12e</b> - licensed to 800G redundant throughput up to 2.4T intelligent fan-in/fan-out, no MDA-e-XP restrictions	\$ 533,333.33	35%	\$ 346,666.67
3HE15197AA	Perpetual RTU license for a proxy/load balancer which can be used for proxy function between NSGs and Nuage VSD and proxy/load balancer function between external/internal users and Nuage VSD, Elastic Search and SD-WAN Portal	\$ 39,995.00	35%	\$ 25,996.75
3HE15198AA	Perpetual RTU license for the Nuage Notification App function which includes - Email notification functionality for 1 factor or 2 factor NSG authentication - SMS notification for 2 factor authentication for NSG authentication. This module includes integration with 3rd Party Twilio server (Twilio account not included) or using SMPP to integrate SMPP compatible SMS gateway Note: This requires minimum Nuage VSD (Standalone) license as a pre-requisite	\$ 24,995.00	35%	\$ 16,246.75
3HE15199AA	Perpetual RTU add-on license for Utility Host- Proxy-LB RTU or Utility Host - Notification App for high available support Note: This requires minimum Utility Host- Proxy-LB RTU or Utility Host - Notification App for high available support	\$ 4,995.00	35%	\$ 3,246.75
3HE15200AA	Annual RTU license for a proxy/load balancer which can be used for proxy function between NSGs and Nuage VSD and proxy/load balancer function between external/internal users and Nuage VSD, Elastic Search and SD-WAN Portal	\$ 15,998.00	35%	\$ 10,398.70
3HE15201AA	Annual RTU license for the Nuage Notification App function which includes - Email notification functionality for 1 factor or 2 factor NSG authentication - SMS notification for 2 factor authentication for NSG authentication. This module includes integration with 3rd Party Twilio server (Twilio account not included) or using SMPP to integrate SMPP compatible SMS gateway Note: This requires minimum Nuage VSD (Standalone) license as a pre-requisite	\$ 9,998.00	35%	\$ 6,498.70
3HE15202AA	Annual RTU add-on license for Utility Host- Proxy-LB RTU or Utility Host - Notification App for high available support Note: This requires minimum Utility Host- Proxy-LB RTU or Utility Host - Notification App for high available support	\$ 1,998.00	35%	\$ 1,298.70
3HE15211AA	1-port 400GBase SR8 100m QSFP56-DD Optics Module, 100m, MPO Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 17,500.00	35%	\$ 11,375.00
3HE15212AA	1-port 400GBase LR8 10km QSFP56-DD Optics Module, 10km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 85,000.00	35%	\$ 55,250.00
3HE15216AA	Release 19.x Operating Software License with support for base features and scaling. One (1) Operating Software License is required for each node in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.  SR-OS License for the following Platforms; 7750 SR-a4/a8 7750 SR-1e/2e/3e 7750 SR-1/7/12/12e 7750 SR-1s/2s/7s/14s 7950 XRS-16c/20/20e/40  Additional functionality and scale are available via additional licenses.	\$ 10,000.00	35%	\$ 6,500.00
3HE15217AA	Release 19.x ZTP - Zero Touch Provisioning - Operating Software License with support for base features and scaling. One (1) Operating Software License is required for each node in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.  SR-OS License for the following Platforms; 7750 SR-1e 7750 SR-1 7750 SR-1s/2s/7s/14s Additional functionality and scale are available via additional licenses.	\$ 11,000.00	35%	\$ 7,150.00
3HE15219AA	AC Power cable with SAF-D-GRID 300 (Key C) T Latch to NEMA L6-30P 10 AWG, 3m length for NA	\$ 700.00	35%	\$ 455.00
3HE15222AA	Upgrade from IOM5-e 400G CR (Core Router) to IOM5-e 800G CR (Core Router) Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation & network function entitlement management (for SROS).	\$ 100,000.00	35%	\$ 65,000.00
3HE15223AA	Upgrade from IOM5-e 400G ER (Edge Router) to IOM5-e 800G ER (Edge Router) Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation & network function entitlement management (for SROS).	\$ 116,666.67	35%	\$ 75,833.33
3HE15224AA	Upgrade from IOM5-e 400G HE (High-Scale Edge) to IOM5-e 800G HE (High-Scale Edge) Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation & network function entitlement management (for SROS).	\$ 133,333.33	35%	\$ 86,666.67
3HE15225AA	Upgrade from IOM5-e 800G CR (Core Router) to IOM5-e 800G ER (Edge Router) Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation & network function entitlement management (for SROS).	\$ 83,333.33	35%	\$ 54,166.67
3HE15226AA	Upgrade from IOM5-e 800G ER (Edge Router) to IOM5-e 800G HE (High-Scale Edge) Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation & network function entitlement management (for SROS).	\$ 83,333.33	35%	\$ 54,166.67

3HE15227AA	Upgrade from IOM5-e 800G CR (Core Router) to IOM5-e 1.5T CR (Core Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 100,000.00	35%	\$ 65,000.00
3HE15228AA	Upgrade from IOM5-e 800G ER (Edge Router) to IOM5-e 1.5T ER (Edge Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 116,666.67	35%	\$ 75,833.33
3HE15229AA	Upgrade from IOM5-e 800G HE (High-Scale Edge) to IOM5-e 1.5T HE (High-Scale Edge) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 133,333.33	35%	\$ 86,666.67
3HE15260AA	Upgrade license from 600Gbps 6 port QSFP28 XMA-s -CR to 600Gbps 6 port QSFP28 XMA-s - ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 50,000.00	35%	\$ 32,500.00
3HE15261AA	Upgrade license from 600Gbps 6 port QSFP28 XMA-s - ER (Edge Router) to 600Gbps 6 port QSFP28 XMA-s - HE (High-Scale Edge Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 100,000.00	35%	\$ 65,000.00
3HE15262AA	Upgrade license from 600Gbps 6 port QSFP28 XMA-s -CR (Core Router) to 1.2Tbps 12 port QSFP28 XMA-s - CR (Core Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 250,000.00	35%	\$ 162,500.00
3HE15263AA	Upgrade license from 600Gbps 6 port QSFP28 XMA-s -ER (Edge Router) to 1.2Tbps 12 port QSFP28 XMA-s - ER (Edge Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 300,000.00	35%	\$ 195,000.00
3HE15264AA	Upgrade license from 600Gbps 6 port QSFP28 XMA-s -HE (High-Scale Edge Router) to 1.2Tbps 12 port QSFP28 XMA-s - HE (High-Scale Edge Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 350,000.00	35%	\$ 227,500.00
3HE15265AA	Upgrade license from 1.2Tbps 12 port QSFP28 XMA-s - CR (Core Router) to 1.2Tbps 12 port QSFP28 XMA-s - ER (Edge Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 100,000.00	35%	\$ 65,000.00
3HE15266AA	Upgrade license from 1.2Tbps 12 port QSFP28 XMA-s - ER (Edge Router) to 1.2Tbps 12 port QSFP28 XMA-s - HE (High-Scale Edge Router) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 100,000.00	35%	\$ 65,000.00
3HE15267AA	Upgrade license to enable aggregation mode up to 1.8T / 18 ports QSFP28 XMA-s (applies to CR, ER, HE variants) <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE15271AA	1-port 400GBase DR4 or 4-port 100GBase QSFP56-DD Optics Module, 500m, MPO12 Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 22,000.00	35%	\$ 14,300.00
3HE15272AA	1-port 400GBase FR4 2km QSFP56-DD Optics Module, 2km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 64,000.00	35%	\$ 41,600.00
3HE15274AA	4-port 100GBase QSFP56-DD Optics Module, 2km, MPO12 Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM)	\$ 64,000.00	35%	\$ 41,600.00
3HE15276AA	1-port 100GBase DR Single Lambda QSFP28 Optics Module, 500m, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM), 0/70C	\$ 7,500.00	35%	\$ 4,875.00
3HE15277AA	1-port 100GBase FR Single Lambda QSFP28 Optics Module, 2km, LC Connector, RoHS 6/6 compliant, Digital Diagnostic Monitor (DDM), 0/70C	\$ 16,000.00	35%	\$ 10,400.00
3HE15291AA	7250 IXR-6/10 Release 19.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-6/10 in the network. Includes OS programed on SD card(s)	\$ 10,000.00	35%	\$ 6,500.00
3HE15291BA	7250 IXR Large variants Release 19.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-6/10/R6/s in the network. Includes programmed media with the Operating Software.	\$ 11,500.00	35%	\$ 7,475.00
3HE15292AA	7250 IXR-R6 Release 19.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-R6 in the network. Includes OS programed on SD card(s)	\$ 10,000.00	35%	\$ 6,500.00
3HE15293AA	7250 IXR-S Release 19.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-s in the network. Includes OS programed on SD card(s)	\$ 10,000.00	35%	\$ 6,500.00
3HE15294AA	7250 IXR-6/10 Release 19.x Operating Software Upgrade License. Previous OS license is required for the upgrade. Notes: One (1) Operating Software License is required for each IXR-6/10 in the network. See the optional RTUs available for additional advanced features. This SW RTU license is intangible. Nothing physical is shipped. If a paper copy is required, a certificate document may be printed by following the process outlined in document code "SWSC-DEL-L4-10" found at <a href="http://libra.app.alcatel-lucent.com/">http://libra.app.alcatel-lucent.com/</a> .	\$ 9,500.00	35%	\$ 6,175.00
3HE15295AA	7250 IXR-R6 Release 19.x Operating Software Upgrade License. Previous OS license is required for the upgrade. Notes: One (1) Operating Software License is required for each IXR-R6 in the network.	\$ 9,500.00	35%	\$ 6,175.00
3HE15296AA	7250 IXR-s Release 19.x Operating Software Upgrade License. Previous OS license is required for the upgrade. Notes: One (1) Operating Software License is required for each IXR-s in the network.	\$ 9,500.00	35%	\$ 6,175.00
3HE15298AA	RTU MG-AA Web Content Ctl 10k Subs. Enables integrated web content categorization filtering using related ION Web Categorization filtering Services. Requires ordering of AA RTU as a pre-requisite. One of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single MG to allow the desired scale.	\$ 30,000.00	35%	\$ 19,500.00
3HE15299AA	RTU MG-AA Flow Attributes 10k Subs. Enables flow attributes. Requires ordering of AA RTU as a pre-requisite. One of these RTUs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single MG to allow the desired scale.	\$ 4,000.00	35%	\$ 2,600.00
3HE15300AA	SROS URL Filter Res 10k Subs - Right to Use required for Application Assurance integrated web content categorization filtering for residential ESM or transit-AA subscribers, using related ION Web Categorization Services. One of these RTUs is required for URL filtering for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 30,000.00	35%	\$ 19,500.00

3HE15301AA	SROS URL Filter Wifi 10k Subs - Right to Use required for Application Assurance integrated web content categorization filtering for residential wifi ESM or DSM subscribers, using related ION Web Categorization Services. One of these RTUs is required for URL filtering for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale. Per Network license.	\$ 30,000.00	35%	\$ 19,500.00
3HE15302AA	SROS Flow Attributes 10 Gbps. Right to Use required to enable flow attributes for up to 10Gb/s. Requires ordering of AA ID as pre-requisite. One of these ASLs is required for every increment of 10Gbps. Multiple instances may be applied to a single system to allow the desired scale.	\$ 40,000.00	35%	\$ 26,000.00
3HE15303AA	ASL VSR-AA Web Content Ctl Wifi 10k Subs for a duration of 5 years (60 months) validity. Application Software License to enables integrated web content filtering, instead of ICAP use. Requires ordering of AA ID and Control ASL as pre-requisite. One of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale.	\$ 30,000.00	35%	\$ 19,500.00
3HE15304AA	ASL VSR-AA Flow Attributes Res 10k Subs. Application Software License required for flow attributes for residential subscribers. Requires ordering of AA ID and Control ASL as pre-requisite. One of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to a single system to allow the desired scale.	\$ 40,000.00	35%	\$ 26,000.00
3HE15305AA	ASL VSR-AA Web Content Ctl Wifi 10k Subs. Application Software License to enables integrated web content categorization filtering, using related ION Web Categorization Services. Requires ordering of AA ID and Control ASL as pre-requisite. One of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale.	\$ 30,000.00	35%	\$ 19,500.00
3HE15306AA	ASL VSR-AA Flow Attributes Wifi 10k Subs. Enables flow attributes for Wifi ESM or DSM subscribers. Requires ordering of AA ID and Control ASL as pre-requisite. One of these ASLs is required for every increment of 10,000 subscribers. Multiple instances may be applied to allow the desired scale.	\$ 10,000.00	35%	\$ 6,500.00
3HE15343AA	Nuage 7850 Network Services Gateway – C600. AC powered with 4 10/100/1000BASE-T ports, 2x USB, and RJ-45 console. Included in bundle is qty=1 AC power supply. One C13 power cord must be purchased separately. Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 795.00	35%	\$ 516.75
3HE15344AA	Nuage 7850 Network Services Gateway – C601. AC powered with 4 10/100/1000BASE-T ports, integrated 802.11ac WiFi access point, integrated region 0 (global) LTE uplink, 2x USB, and RJ-45 console. Included in bundle is qty=1 AC power supply. One C13 power cord must be purchased separately. Only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 995.00	35%	\$ 646.75
3HE15377AA	1-port 25GBASE-ER Small Form-Factor Pluggable+ (SFP28) Optics Module, Single Mode Fiber (SMF), 40km, 1295 to 1310 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 8,500.00	35%	\$ 5,525.00
3HE15378AA	1-port 25GBASE-BX10-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP28) Optics Module, Single Mode Fiber (SMF), 10km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 2,750.00	35%	\$ 1,787.50
3HE15378AB	1-port 25GBASE-BX10-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP28) Optics Module, Single Mode Fiber (SMF), 10km, TX: 1270 nm, RX: 1330 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Extended Temperature -40/85C	\$ 2,750.00	35%	\$ 1,787.50
3HE15379AA	1-port 25GBASE-BX20-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP28) Optics Module, Single Mode Fiber (SMF), 20km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 3,250.00	35%	\$ 2,112.50
3HE15379AB	1-port 25GBASE-BX20-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP28) Optics Module, Single Mode Fiber (SMF), 20km, TX: 1270 nm, RX: 1330 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Extended Temperature -40/85C	\$ 3,250.00	35%	\$ 2,112.50
3HE15380AA	1-port 25GBASE-BX40-U (Up-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP28) Optics Module, Single Mode Fiber (SMF), 40km, TX:1330 nm, RX: 1270 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 compliant, Extended Temperature -40/85C	\$ 4,000.00	35%	\$ 2,600.00
3HE15380AB	1-port 25GBASE-BX40-D (Down-Stream) Bi-Directional (BiDi) Small Form-Factor Pluggable (SFP28) Optics Module, Single Mode Fiber (SMF), 40km, TX: 1270 nm, RX: 1330 nm, LC Connector, Digital Diagnostic Monitor (DDM), RoHS 6/6 Compliant, Extended Temperature -40/85C	\$ 4,000.00	35%	\$ 2,600.00
3HE15386AA	7250 IXR-e 24xSFP+/SFP + 8xSFP28/SFP+ + 2xQSFP28 plus internal GNSS receiver (IXR-e Big GNSS). Supports redundant removable power supplies and removable fan filter. Ships with one fan filter installed. PSUs, software licenses and other accessories sold separately.	\$ 39,000.00	35%	\$ 25,350.00
3HE15387AA	7250 IXR-e 14xSFP+/SFP + 4xRJ45 plus internal GNSS receiver (IXR-e Small GNSS). Supports redundant removable power supplies and removable fan filter. Ships with one fan filter installed. PSUs, software licenses and other accessories sold separately.	\$ 28,000.00	35%	\$ 18,200.00
3HE15400AA	RTU - 7705 SAR-Hm/Hmc NAT license. Includes maximum supported NAT session and throughput available on one SAR-Hm/Hmc node. One (1) OS License is required for each SAR-Hm/Hmc in the network.	\$ 300.00	35%	\$ 195.00
3HE15401AA	ASL VSR-AA Roaming Firewall 1Gbps. Application Software License required for mobile network Roaming GTP firewall. Requires ordering of AA Stateful Firewall ASL as pre-requisite. One of these ASLs is required for every increment of 1Gbps of traffic. Multiple instances may be applied to a single system to allow the desired scale.	\$ 10,000.00	35%	\$ 6,500.00
3HE15402AA	SROS Roaming Firewall License per 10Gbps. Right to Use required for mobile network Roaming GTP firewall. Requires ordering of AA Stateful Firewall RTU as pre-requisite. One of these RTUs is required for every increment of 10Gbps of traffic. Multiple instances may be applied to a single system to allow the desired scale.	\$ 50,000.00	35%	\$ 32,500.00
3HE15413AA	ACC - 7250 IXR-e Fan Filter (18 pack) Fits both IXR-e platforms	\$ 1,700.00	35%	\$ 1,105.00
3HE15415AA	7750 SR-s IOM-s (Input/Output Module) 800G IOM-s Core Routing, accepts two modular MDA-s, 1x FP4 complex, CR (Core Router) feature set. MDA-s impedance panels needs to be added separately. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This card is based off "3HE15416xA - XMA - IOM-s - SR-s IOM-s 1.5T"  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable to 1.5T	\$ 225,000.00	35%	\$ 146,250.00
3HE15415BA	7750 SR-s IOM-s (Input/Output Module) 800G IOM-s Edge Router, accepts two modular MDA-s, 1x FP4 complex, ER (Edge Router) feature set. MDA-s impedance panels needs to be added separately. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE15416xA - XMA - IOM-s - SR-s IOM-s 1.5T"  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable to 1.5T.	\$ 275,000.00	35%	\$ 178,750.00

3HE15415CA	7750 SR-s IOM-s (Input/Output Module) 800G IOM-s High-Scale Edge, accepts two modular MDA-s, 1x FP4 complex, HE (High-Scale Edge) feature set. MDA-s impedance panels needs to be added separately. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This card is based off "3HE15416xA - XMA - IOM-s - SR-s IOM-s 1.5T"  Full High-Scale Edge feature set Hardware performance upgradeable to 1.5T	\$ 325,000.00	35%	\$ 211,250.00
3HE15416AA	7750 SR-s IOM-s (Input/Output Module) 1.5T IOM-s Core Routing, accepts two modular MDA-s, 1x FP4 complex, CR (Core Router) feature set. MDA-s impedance panels needs to be added separately. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Hardware performance up to 1.5T.	\$ 450,000.00	35%	\$ 292,500.00
3HE15416BA	7750 SR-s IOM-s (Input/Output Module) 1.5T IOM-s Edge Routing, accepts two modular MDA-s, 1x FP4 complex, ER (Edge Router) feature set. MDA-s impedance panels needs to be added separately. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Hardware performance up to 1.5T.	\$ 550,000.00	35%	\$ 357,500.00
3HE15416CA	7750 SR-s IOM-s (Input/Output Module) 1.5T IOM-s High-Scale Edge Routing, accepts two modular MDA-s, 1x FP4 complex, HE (High-Scale Edge) feature set. MDA-s impedance panels needs to be added separately. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Hardware performance up to 1.5T.	\$ 650,000.00	35%	\$ 422,500.00
3HE15417AA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 1.6T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s Modular is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - CR DC" licensed to 1.6T throughput.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 518,333.33	35%	\$ 336,916.67
3HE15417BA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 1.6T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This 7750 SR-1s Modular is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - CR DC" licensed to 1.6T throughput.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 625,000.00	35%	\$ 406,250.00
3HE15417CA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 1.6T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s Modular is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - CR DC" licensed to 1.6T throughput.  Full High-Scale Edge feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 731,666.67	35%	\$ 475,583.33
3HE15418AA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 1.6T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s Modular is based off " 3HE15422xA - SYS - SR-1s MODULAR 3.0T - CR AC" licensed to 1.6T.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 518,333.33	35%	\$ 336,916.67
3HE15418BA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 1.6T FD, port restricted to 16-connectors Universal QSP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This 7750 SR-1s Modular is based off " 3HE15422xA - SYS - SR-1s MODULAR 3.0T - CR AC" licensed to 1.6T.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.6T intelligent fan-in/fan-out.	\$ 625,000.00	35%	\$ 406,250.00
3HE15418CA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 1.6T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s Modular is based off " 3HE15422xA - SYS - SR-1s MODULAR 3.0T - CR AC" licensed to 1.6T.  Full High-Scale Edge feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 731,666.67	35%	\$ 475,583.33
3HE15419AA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 2.4T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s Modular is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - CR DC" licensed to 2.4T throughput.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 785,000.00	35%	\$ 510,250.00
3HE15419BA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 2.4T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This 7750 SR-1s Modular is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - CR DC" licensed to 2.4T throughput.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 945,000.00	35%	\$ 614,250.00

3HE15419CA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 2.4T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s Modular is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - CR DC" licensed to 2.4T throughput.  Full High-Scale Edge feature set. Hardware performance upgradeable from 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 1,105,000.00	35%	\$ 718,250.00
3HE15420AA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 2.4T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s Modular is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - CR AC" licensed to 2.4T.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 785,000.00	35%	\$ 510,250.00
3HE15420BA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 2.4T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This 7750 SR-1s Modular is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - CR AC" licensed to 2.4T.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 945,000.00	35%	\$ 614,250.00
3HE15420CA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 2.4T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s Modular is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - CR AC" licensed to 2.4T.  Full High-Scale Edge feature set. Hardware performance upgradeable from 2.4T or 3.0T intelligent fan-in/fan-out.	\$ 1,105,000.00	35%	\$ 718,250.00
3HE15421AA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 3.0T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Software scale upgradeable to ER or HE feature set.	\$ 985,000.00	35%	\$ 640,250.00
3HE15421BA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 3.0T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Software scale upgradeable to HE feature set.	\$ 1,185,000.00	35%	\$ 770,250.00
3HE15421CA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 3.0T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set.	\$ 1,385,000.00	35%	\$ 900,250.00
3HE15422AA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 3.0T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  Software scale upgradeable to ER or HE feature set.	\$ 985,000.00	35%	\$ 640,250.00
3HE15422BA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 3.0T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  Software scale upgradeable to ER or HE feature set.	\$ 1,185,000.00	35%	\$ 770,250.00
3HE15422CA	7750 SR-1s Modular system, 2x FP4 complex, accepting x2 MDA-s, performance restricted to 3.0T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  Full High-Scale Edge feature set.	\$ 1,385,000.00	35%	\$ 900,250.00
3HE15426AA	Nuage 7850 Network Services Gateway-X680 (NSG-X680). AC powered with 4 ports 10GigE SFP+, 8 ports 1000BASE-T, 2 ports USB, 1 port RJ-45 serial. Included in bundle is Qty=2 AC power supplies for 1+1 AC power redundancy. Two C13 power cords must be purchased separately, one for each of the two power supplies. Includes hardware for mounting in EIA/ECA-310 racks. Note: 7850 NSG only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.  Note: 7850 NSG only to be sold in conjunction with Nuage Virtualized Network Services (VNS) software.	\$ 15,995.00	35%	\$ 10,396.75
3HE15490AA	ACC - 7210 SAS-Dxp Rack Mount	\$ 175.00	35%	\$ 113.75
3HE15508BA	OS - 7210 SAS-Dxp 4F6T, Release 20.X Base OS license / Native Ethernet L2 VPNs license.  This license is required for both 7210 SAS-Dxp ETR and non-ETR variants.  This is a per chassis license valid for release 20.X. It provides the Base OS and includes support for native Ethernet services (e.g. Layer-2 VPLS and Epipe services).  It must be also purchased for upgrade to release 20.X. It will shipped on a SD Card.	\$ 450.00	35%	\$ 292.50
3HE15509AA	RTU - 7210 SAS-K MACsec license.  This is a per chassis license. It is a one-time license to use the MACsec capabilities on the node for either 1GE port or 10GE port, as applicable. It is required to use MACsec capability on 7210 SAS-K 2F6C4T ETR and 7210 SAS-K 3SFP+8C ETR platforms.	\$ 550.00	35%	\$ 357.50
3HE15514AA	UPG - IOM-s 800G CR to 800G ER	\$ 62,500.00	35%	\$ 40,625.00
3HE15515AA	UPG - IOM-s 800G ER to 800G HE	\$ 62,500.00	35%	\$ 40,625.00
3HE15516AA	UPG - IOM-s 800G CR to 1.5T CR	\$ 281,250.00	35%	\$ 182,812.50
3HE15517AA	UPG - IOM-s 800G ER to 1.5T ER	\$ 343,750.00	35%	\$ 223,437.50
3HE15518AA	UPG - IOM-s 800G HE to 1.5T HE	\$ 406,250.00	35%	\$ 264,062.50
3HE15519AA	UPG - IOM-s 1.5T CR to 1.5T ER	\$ 125,000.00	35%	\$ 81,250.00
3HE15520AA	UPG - IOM-s 1.5T ER to 1.5T HE	\$ 125,000.00	35%	\$ 81,250.00

3HE15521AA	Upgrade license from SR-1s Modular 1.6T CR to 2.4T CR <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 333,333.33	35%	\$ 216,666.67
3HE15522AA	Upgrade license from SR-1s Modular 1.6T ER to 2.4T ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 400,000.00	35%	\$ 260,000.00
3HE15523AA	Upgrade license from SR-1s Modular 1.6T HE to 2.4T HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 466,666.67	35%	\$ 303,333.33
3HE15524AA	Upgrade license from SR-1s Modular 1.6T CR to 1.6T ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 133,333.33	35%	\$ 86,666.67
3HE15525AA	Upgrade license from SR-1s Modular 1.6T ER to 1.6T HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 200,000.00	35%	\$ 130,000.00
3HE15526AA	Upgrade license from SR-1s Modular 2.4T CR to 2.4T ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 250,000.00	35%	\$ 162,500.00
3HE15527AA	Upgrade license from SR-1s Modular 2.4T ER to 2.4T HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 250,000.00	35%	\$ 162,500.00
3HE15528AA	Upgrade license from SR-1s Modular 2.4T CR to 3.0T CR <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 250,000.00	35%	\$ 162,500.00
3HE15529AA	Upgrade license from SR-1s Modular 2.4T ER to 3.0T ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 300,000.00	35%	\$ 195,000.00
3HE15530AA	Upgrade license from SR-1s Modular 2.4T HE to 3.0T HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 350,000.00	35%	\$ 227,500.00
3HE15531AA	Upgrade license from SR-1s Modular 3.0T CR to 3.0T ER <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 250,000.00	35%	\$ 162,500.00
3HE15532AA	Upgrade license from SR-1s Modular 3.0T ER to 3.0T HE <i>Installation requires the use of Centralized License Manager (CLM) - 3HE14159AA CLM is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</i>	\$ 250,000.00	35%	\$ 162,500.00
3HE15533AA	NSG-C600 series AC spare power supply. NSG-C60x units ship with a power supply and this is an additional spare power supply.	\$ 85.00	35%	\$ 55.25
3HE15534AA	PS - Nuage 7850 NSG-X600 series 300W AC spare power module. NSG-X6xx units ship with 1+1 redundant power modules and this is an additional spare power module.	\$ 425.00	35%	\$ 276.25
3HE15535AA	SYS-7250 IXR-e 24SFP+ 8SFP28 2QSFP28 AC Bundle Includes: (1) 3HE14782AA SYS - 7250 IXR-e 24SFP+ 8SFP28 2QSFP28 (2) 3HE14784AA PS - 7250 IXR-e AC Software image and AC Power Cables Not included	\$ 30,800.00	35%	\$ 20,020.00
3HE15544AA	SYS-7250 IXR-e 24SFP+ 8SFP28 2QSFP28 DC Bundle Includes: (1) 3HE14782AA SYS - 7250 IXR-e 24SFP+ 8SFP28 2QSFP28 (2) 3HE14785AA PS - 7250 IXR-e DC Software image Not included	\$ 31,240.00	35%	\$ 20,306.00
3HE15555AA	SYS-7250 IXR-e 14SFP+ 4T AC Bundle Includes: (1) 3HE14783AA SYS - 7250 IXR-e 14SFP+ 4T (2) 3HE14784AA PS - 7250 IXR-e AC Software image and AC Power Cables Not included	\$ 24,100.00	35%	\$ 15,665.00
3HE15556AA	SYS-7250 IXR-e 14SFP+ 4T AC Bundle Includes: (1) 3HE14783AA SYS - 7250 IXR-e 14SFP+ 4T (2) 3HE14785AA PS - IXR-e DC Software image Not included	\$ 24,540.00	35%	\$ 15,951.00
3HE15561AA	7750 SR-s 3-port CFP2-DCO MDA-s. 100 Gbps transmission using QPSK modulation for metro-core and long-haul applications and 200 Gbps (2x100G) for metro-access applications. Accepts three (3) CFP-DCO Optic Module.	\$ 170,000.00	35%	\$ 110,500.00
3HE15562AA	7750 SR-s 8-ports SFP-DD (10/25/100G) MACsec + 2-ports QSFP28 (10/40/100G) MDA-s. Accepts (8) 10/25/100GBase Optic Module SFP+/SFP28/SFP-DD + (2) 10/40/100GBase QSFP+/QSFP28.	\$ 170,000.00	35%	\$ 110,500.00
3HE15563AA	7750 SR-s 2-ports QSFP56-DD (10/40/100/400G) + 2-ports QSFP28 (10/40/100G) MDA-s. Accepts (2) 10/40/100/400GBase Optic Module QSFP+/QSFP28/QSFP28-DD/QSFP56-DD + (2) 10/40/100GBase QSFP+/QSFP28.	\$ 170,000.00	35%	\$ 110,500.00
3HE15566AA	A yearly NSG RTU for the Nuage VNS White Label (VNS-WL) Service. This RTU is charged per-NSG, for each year the NSG is activated and used on the VNS-WL service. This part number is used for all packages (Essentials, Advanced, Premium) and speed tiers of the VNS-WL Service. Includes Software Release Subscription (SRS)	Note 1	35%	#VALUE!
3HE15586AA	GNSS Antenna bracket	\$ 125.00	35%	\$ 81.25
3HE15587AA	ASL VSR Telemetry - Application Software License (ASL) required to enable the Telemetry feature. One (1) license is required per VSR.	\$ 20,000.00	35%	\$ 13,000.00

3HE15597AA	7950 XRS-20 Complete Chassis AC Bundle, shipped with all common hardware. Includes: (1) 3HE07112AA - CH-BN - 7950 XRS-20 Integrated Chassis (5) 3HE12492AA - APEQ-AC-4400 Power Equalizer Module , (8) 3HE12313AA - 7950 XRS-20/20e Switch Fabric Module-2 (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot. Power cables order separately	\$ 967,500.00	35%	\$ 628,875.00
3HE15598AA	7950 XRS-20 HVDC Stand-Alone Complete Chassis Bundle, shipped with all common hardware. Includes: (1) 3HE07112AA - CH-BN - 7950 XRS-20 Integrated Chassis (5) 3HE12508AA - APEQ-HVDC-4400 Power Equalizer Module, (8) 3HE12313AA - 7950 XRS-20/20e Switch Fabric Module-2 (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot. Power cables order separately	\$ 976,000.00	35%	\$ 634,400.00
3HE15599AA	7950 XRS-20e Complete Chassis AC Bundle, shipped with all common hardware. Includes: (1) 3HE11086AA - CHAS-7950 XRS-20e AC/HVDC SPARE CHASSIS (5) 3HE12492AA - APEQ-AC-4400 Power Equalizer Module, (8) 3HE12313AA - 7950 XRS-20/20e Switch Fabric Module-2 (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB (3) 3HE11088AA - FAN - 7950 XRS-20e Fan Tray (2) 3HE07117AA - CCM - 7950 XRS-20 CCM  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot. Power cables order separately	\$ 967,500.00	35%	\$ 628,875.00
3HE15600AA	7950 XRS-20e Stand-Alone Complete Chassis HVDC Bundle, shipped with all common hardware. Includes: (1) 3HE11086AA - CHAS-7950 XRS-20e AC/HVDC Spare Chassis (5) 3HE12508AA - APEQ-HVDC-4400 Power Equalizer Module, (8) 3HE12313AA - 7950 XRS-20/20e Switch Fabric Module-2 (2) 3HE07116AB - CPM - 7950 XRS-20 CPM 16GB (3) 3HE11088AA - FAN - 7950 XRS-20e Fan Tray , (2) 3HE07117AA - CCM - 7950 XRS-20 CCM , (1) 3HE11090AA - ACC - 7950 XRS-20e Air Filter Kit ,  Note: You must order separate impedance panels (XCM, XMA or C-XMA impedance panels) for every empty slot. Power cables ordered separately	\$ 976,000.00	35%	\$ 634,400.00
3HE15601AA	7250 IXR-10 SRLinux System License 19.x – one per system	\$ 25,000.00	35%	\$ 16,250.00
3HE15621AA	SYS - 7220 IXR-D1 88G 48baseT 4SFP+ , base platform. Does not include fans or power supplies.	\$ 12,797.00	35%	\$ 8,318.05
3HE15622AA	SYS - 7220 IXR-D2 2.0T 48SFP28 8QSFP28, base platform. Does not include fans or power supplies.	\$ 22,415.00	35%	\$ 14,569.75
3HE15623AA	SYS - 7220 IXR-D3 3.2T 32QSFP28 2SFP+ , base platform. Does not include fans or power supplies.	\$ 29,789.00	35%	\$ 19,362.85
3HE15625AA	PS - 7220 IXR-D1 48baseT 4SFP+ AC (FtoB)	\$ 813.00	35%	\$ 528.45
3HE15626AA	PS - 7220 IXR-D1 48baseT 4SFP+ AC (BtoF)	\$ 813.00	35%	\$ 528.45
3HE15629AA	PS - 7220 IXR-D1 48baseT 4SFP+ -48V DC (FtoB)	\$ 1,778.00	35%	\$ 1,155.70
3HE15630AA	PS - 7220 IXR-D1 48baseT 4SFP+ -48V DC (BtoF)	\$ 1,778.00	35%	\$ 1,155.70
3HE15631AA	FAN - 7220 IXR-D1 48baseT 4SFP+ Fan Tray (FtoB)	\$ 181.00	35%	\$ 117.65
3HE15632AA	FAN - 7220 IXR-D1 48baseT 4SFP+ Fan Tray (BtoF)	\$ 181.00	35%	\$ 117.65
3HE15643AA	7250 IXR-e PSU Impedance Panel five pack	\$ 456.00	35%	\$ 296.40
3HE15644AA	7250 IXR-e Rack Mount Bracket ten pack	\$ 300.00	35%	\$ 195.00
3HE15662AA	7250 IXR Large variants Release 20.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-6/10/R6/s/Xs/X1 in the network. Includes programmed media with the Operating Software.	\$ 10,000.00	35%	\$ 6,500.00
3HE15662AB	7250 IXR Large variants Release 21.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-6/10/R6/s/Xs/X1 in the network. Includes programmed media with the Operating Software.	\$ 10,000.00	35%	\$ 6,500.00
3HE15662BA	7250 IXR Large variants Release 20.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-6/10/R6/s/Xs/X1 in the network. Includes programmed media with the Operating Software.	\$ 11,500.00	35%	\$ 7,475.00
3HE15662BB	7250 IXR Large variants Release 21.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-6/10/R6/s/Xs/X1 in the network. Includes programmed media with the Operating Software.	\$ 11,500.00	35%	\$ 7,475.00
3HE15663AA	7250 IXR Medium variants Release 20.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-R4, IXR-e (2p 100G, 8p 25G, 24p 10G including GNSS variants) in the network. Includes programmed media with the Operating Software.	\$ 3,000.00	35%	\$ 1,950.00
3HE15663AB	7250 IXR Medium variants Release 21.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-R4, IXR-e (2p 100G, 8p 25G, 24p 10G including GNSS variants) in the network. Includes programmed media with the Operating Software.	\$ 3,000.00	35%	\$ 1,950.00
3HE15663BA	7250 IXR Medium variants Release 20.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-R4, IXR-e (2p 100G, 8p 25G, 24p 10G including GNSS variants) in the network. Includes programmed media with the Operating Software.	\$ 3,500.00	35%	\$ 2,275.00
3HE15663BB	7250 IXR Medium variants Release 21.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-R4, IXR-e (2p 100G, 8p 25G, 24p 10G including GNSS variants) in the network. Includes programmed media with the Operating Software.	\$ 3,500.00	35%	\$ 2,275.00
3HE15664AA	7250 IXR Small variants Release 20.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-e (14p 10G, 4p Tx including GNSS variants) in the network. Includes programmed media with the Operating Software.	\$ 1,000.00	35%	\$ 650.00
3HE15664AB	7250 IXR Small variants Release 20.x Operating Software License. Notes: One (1) Operating Software License is required for each IXR-e (14p 10G, 4p Tx including GNSS variants), IXR-ec in the network. Includes programmed media with the Operating Software.	\$ 1,000.00	35%	\$ 650.00
3HE15664BA	7250 IXR Small variants Release 20.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-e (14p 10G, 4p Tx including GNSS variants) in the network. Includes programmed media with the Operating Software.	\$ 1,500.00	35%	\$ 975.00



3HE15664BB	7250 IXR Small variants Release 21.x Operating Software License with ZTP enabled. Notes: One (1) Operating Software License is required for each IXR-e (14p 10G, 4p Tx including GNSS variants), IXR-ec in the network. Includes programmed media with the Operating Software.	\$ 1,500.00	35%	\$ 975.00
3HE15667AA	Spare antenna kit for Nuage 7850 NSG-E306. This kit contains (2) WiFi and (2) LTE antennae. Also applicable for NSG-E202/206/E207/E208/E307/E308 models. Note that a full antennae set ships with each NSG and this kit is offered in case any antenna is damaged or lost.	\$ 145.00	35%	\$ 94.25
3HE15668AA	NSG-C601 spare antenna kit. NSG-C601 units ship with 2 LTE and 2 WiFi antennae and this kit contains 4 replacement (2 LTE plus 2 WiFi) antennae.	\$ 85.00	35%	\$ 55.25
3HE15669AA	7750 SR-1s Modular + LVDC Power Shelf Bundle, 1.6T (supports two MDA-s) Core Router feature set;  Includes the following; (1) 3HE15417AA - SYS - SR-1s MODULAR 1.6T - CR DC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11185AA - PSU - LVDC 6kw Power Supply  7750 SR-1s, 2x FP4 complex, performance to 1.6T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - DC" licensed to 1.6T throughput.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T.	\$ 533,333.33	35%	\$ 346,666.67
3HE15669BA	7750 SR-1s Modular + LVDC Power Shelf Bundle, 1.6T (supports two MDA-s) Edge Router feature set;  Includes the following; (1) 3HE15417BA - SYS - SR-1s MODULAR 1.6T - ER DC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11185AA - PSU - LVDC 6kw Power Supply  7750 SR-1s system, 2x FP4 complex, performance to 1.6T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - DC" licensed to 1.6T throughput.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T.	\$ 640,000.00	35%	\$ 416,000.00
3HE15669CA	7750 SR-1s Modular + LVDC Power Shelf Bundle, 1.6T (supports two MDA-s) High Scale Edge feature set;  Includes the following; (1) 3HE15417CA - SYS - SR-1s MODULAR 1.6T - HE DC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11185AA - PSU - LVDC 6kw Power Supply  7750 SR-1s system, 2x FP4 complex, performance to 1.6T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - DC" licensed to 1.6T throughput.  Full High-Scale Edge feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T.	\$ 746,666.67	35%	\$ 485,333.33
3HE15670AA	7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 1.6T (supports two MDA-s) Core Router feature set;  Includes the following; (1) 3HE15418AA - SYS - SR-1s MODULAR 1.6T - CR AC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply  7750 SR-1s, 2x FP4 complex, performance to 1.6T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - AC" licensed to 1.6T throughput.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T.	\$ 533,333.33	35%	\$ 346,666.67
3HE15670BA	7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 1.6T (supports two MDA-s) Edge Router feature set;  Includes the following; (1) 3HE15418BA - SYS - SR-1s MODULAR 1.6T - ER AC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply  7750 SR-1s system, 2x FP4 complex, performance to 1.6T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - AC" licensed to 1.6T throughput.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 1.6T to 2.4T or 3.0T.	\$ 640,000.00	35%	\$ 416,000.00

3HE15670CA	<p>7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 1.6T (supports two MDA-s) High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE15418CA - SYS - SR-1s MODULAR 1.6T - HE AC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 1.6T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - AC" licensed to 1.6T throughput.</p> <p>Full High-Scale Edge feature set.  Hardware performance upgradeable from 1.6T to 2.4T or 3.0T.</p>	\$ 746,666.67	35%	\$ 485,333.33
3HE15671AA	<p>7750 SR-1s Modular + LVDC Power Shelf Bundle, 2.4T (supports two MDA-s) Core Router feature set;</p> <p>Includes the following;  (1) 3HE15419AA - SYS - SR-1s MODULAR 2.4T - CR DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s, 2x FP4 complex, performance to 2.4T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - AC" licensed to 2.4T throughput.</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance upgradeable from 2.4T to 3.0T.</p>	\$ 800,000.00	35%	\$ 520,000.00
3HE15671BA	<p>7750 SR-1s Modular + LVDC Power Shelf Bundle, 2.4T (supports two MDA-s) Edge Router feature set;</p> <p>Includes the following;  (1) 3HE15419BA - SYS - SR-1s MODULAR 2.4T - ER DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - DC" licensed to 2.4T throughput.</p> <p>Software scale upgradeable to HE feature set.  Hardware performance upgradeable from 2.4T to 3.0T.</p>	\$ 960,000.00	35%	\$ 624,000.00
3HE15671CA	<p>7750 SR-1s Modular + LVDC Power Shelf Bundle, 2.4T (supports two MDA-s) Edge Router feature set;</p> <p>Includes the following;  (1) 3HE15419CA - SYS - SR-1s MODULAR 2.4T - HE DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE15421xA - SYS - SR-1s MODULAR 3.0T - DC" licensed to 2.4T throughput.</p> <p>Full High-Scale Edge feature set.  Hardware performance upgradeable from 2.4T to 3.0T.</p>	\$ 1,120,000.00	35%	\$ 728,000.00
3HE15672AA	<p>7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 2.4T (supports two MDA-s) Core Router feature set;</p> <p>Includes the following;  (1) 3HE15420AA - SYS - SR-1s MODULAR 2.4T - CR AC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s, 2x FP4 complex, performance to 2.4T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>This 7750 SR-1s is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - AC" licensed to 2.4T throughput.</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance upgradeable from 2.4T to 3.0T.</p>	\$ 800,000.00	35%	\$ 520,000.00
3HE15672BA	<p>7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 2.4T (supports two MDA-s) Edge Router feature set;</p> <p>Includes the following;  (1) 3HE15420BA - SYS - SR-1s MODULAR 2.4T - ER AC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>This card is based off "3HE13801xA - SYS - SR-1s MODULAR 3.0T - CR AC" licensed to 2.4T throughput.</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance upgradeable from 2.4T to 3.6T.</p>	\$ 960,000.00	35%	\$ 624,000.00

3HE15672CA	<p>7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 2.4T (supports two MDA-s) High-Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE15420CA - SYS - SR-1s MODULAR 2.4T - HE AC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 2.4T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>This 7750 SR-1s is based off "3HE15422xA - SYS - SR-1s MODULAR 3.0T - AC" licensed to 2.4T throughput.</p> <p>Full High-Scale Edge feature set.  Hardware performance upgradeable from 2.4T to 3.0T.</p>	\$ 1,120,000.00	35%	\$ 728,000.00
3HE15673AA	<p>7750 SR-1s Modular + LVDC Power Shelf Bundle, 3.0T (supports two MDA-s), Core Router feature set;</p> <p>Includes the following;  (1) 3HE15421AA - SYS - SR-1s MODULAR 3.0T - CR DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 3.0T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance up to 3.0T FD</p>	\$ 1,000,000.00	35%	\$ 650,000.00
3HE15673BA	<p>7750 SR-1s Modular + LVDC Power Shelf Bundle, 3.0T (supports two MDA-s), Edge Router feature set;</p> <p>Includes the following;  (1) 3HE15421BA - SYS - SR-1s MODULAR 3.0T - ER DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 3.0T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>Software scale upgradeable to HE feature set.  Hardware performance up to 3.0T FD.</p>	\$ 1,200,000.00	35%	\$ 780,000.00
3HE15673CA	<p>7750 SR-1s Modular + LVDC Power Shelf Bundle, 3.0T (supports two MDA-s), High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE15421CA - SYS - SR-1s MODULAR 3.0T - HE DC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11185AA - PSU - LVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 3.0T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>Full High-Scale Edge feature set.  Hardware performance up to 3.0T FD.</p>	\$ 1,400,000.00	35%	\$ 910,000.00
3HE15674AA	<p>7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 3.0T (supports two MDA-s), Core Router feature set;</p> <p>Includes the following;  (1) 3HE15422AA - SYS - SR-1s MODULAR 3.0T - CR AC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 3.0T FD. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)</p> <p>Software scale upgradeable to ER or HE feature set.  Hardware performance up to 3.0T FD</p>	\$ 1,000,000.00	35%	\$ 650,000.00
3HE15674BA	<p>7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 3.0T (supports two MDA-s), Edge Router feature set;</p> <p>Includes the following;  (1) 3HE15422BA - SYS - SR-1s MODULAR 3.0T - ER AC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 3.0T FD. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)</p> <p>Software scale upgradeable to HE feature set.  Hardware performance up to 3.0T FD.</p>	\$ 1,200,000.00	35%	\$ 780,000.00
3HE15674CA	<p>7750 SR-1s Modular + AC/HVDC Power Shelf Bundle, 3.0T (supports two MDA-s), High Scale Edge feature set;</p> <p>Includes the following;  (1) 3HE15422CA - SYS - SR-1s MODULAR 3.0T - HE AC  (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module  (2) 3HE11183AA - PSU - AC/HVDC 6kw Power Supply</p> <p>7750 SR-1s system, 2x FP4 complex, performance to 3.0T FD. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)</p> <p>Full High-Scale Edge feature set.  Hardware performance up to 3.0T FD.</p>	\$ 1,400,000.00	35%	\$ 910,000.00

3HE15676AA	7250 IXR-6/10 SRLinux Linecard License – one per deployed linecard	\$ 10,000.00	35%	\$ 6,500.00
3HE15700AA	7250 IXR-10 LVDC Complete chassis bundle including: (1) 3HE11770AA - CHAS - 7250 IXR-10 Chassis (4) 3HE11752AA - PSU - 7250 IXR LVDC (6) 3HE12446AA - SFM - 7250 IXR-10 SFM2 (2) 3HE12458AA - CPM - 7250 IXR CPM2 SSD (3) 3HE11769AA - FAN - 7250 IXR-10 Fan Tray	\$ 430,700.00	35%	\$ 279,955.00
3HE15701AA	7250 IXR-6 LVDC complete chassis bundle including: (1) 3HE11760AA - CHAS - 7250 IXR-6 Chassis (2) 3HE11752AA - PSU - 7250 IXR LVDC (6) 3HE12382AA - SFM - 7250 IXR-6 SFM2 (2) 3HE12458AA - CPM - 7250 IXR CPM2 SSD (3) 3HE11759AA - FAN - 7250 IXR-6 Fan Tray	\$ 257,850.00	35%	\$ 167,602.50
3HE15702AA	7250 IXR-10 AC/HVDC complete chassis bundle including: (1) 3HE11770AA - CHAS - 7250 IXR-10 Chassis (4) 3HE11751AA - PSU - 7250 IXR AC/HVDC (6) 3HE12446AA - SFM - 7250 IXR-10 SFM2 (2) 3HE12458AA - CPM - 7250 IXR CPM2 SSD (3) 3HE11769AA - FAN - 7250 IXR-10 Fan Tray	\$ 431,900.00	35%	\$ 280,735.00
3HE15703AA	7250 IXR-6 AC/HVDC complete chassis bundle including: (1) 3HE11760AA - CHAS - 7250 IXR-6 Chassis (2) 3HE11751AA - PSU - 7250 IXR AC/HVDC (6) 3HE12382AA - SFM - 7250 IXR-6 SFM2 (2) 3HE12458AA - CPM - 7250 IXR CPM2 SSD (3) 3HE11759AA - FAN - 7250 IXR-6 Fan Tray	\$ 258,450.00	35%	\$ 167,992.50
3HE15713AA	16F MMF MPO-MPO Patch Cable, 3M	\$ 1,120.00	35%	\$ 728.00
3HE15714AA	16F MMF MPO-MPO Patch Cable, 10M	\$ 1,360.00	35%	\$ 884.00
3HE15745AA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router License 50Mbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 466.00	35%	\$ 302.90
3HE15746AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router License 50Mbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 210.00	35%	\$ 136.50
3HE15747AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Right-To-Use 50Mbps	\$ 39.00	35%	\$ 25.35
3HE15748AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Right-To-Use 50Mbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 60.00	35%	\$ 39.00
3HE15749AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Right-To-Use 50Mbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 195.00	35%	\$ 126.75
3HE15750AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Right-To-Use 50Mbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes	\$ 95.00	35%	\$ 61.75
3HE15751AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Right-To-Use 50Mbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 95.00	35%	\$ 61.75
3HE15752AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Right-To-Use 50Mbps	\$ 116.00	35%	\$ 75.40
3HE15753AA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router Annual RTU License 50Mbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 186.00	35%	\$ 120.90
3HE15754AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router Annual RTU License 50Mbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 84.00	35%	\$ 54.60
3HE15755AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Annual RTU 50Mbps	\$ 16.00	35%	\$ 10.40
3HE15756AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Annual RTU License 50Mbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 24.00	35%	\$ 15.60
3HE15757AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Annual RTU License 50Mbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 78.00	35%	\$ 50.70
3HE15758AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Annual RTU License 50Mbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes	\$ 38.00	35%	\$ 24.70
3HE15759AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Annual RTU License 50Mbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 38.00	35%	\$ 24.70
3HE15760AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Annual Right-To-Use 50Mbps	\$ 46.00	35%	\$ 29.90

3HE15764AA	7750 SR 3-ports 10/40/100/400GBASE QSFP-DD MDA-e-XP, 4x100G break-out or 1x400G interfaces and can support a single 1x400G line-rate interface or up to two 1x400G interfaces clear-channel with iFIFO. Accepts three (3) 100G, 2x100G, 4x10, 1x40G and 10x10GBase Optic Module QSFP+/QSFP28/QSFP28-DD/QSFP56-DD.	\$ 120,000.00	35%	\$ 78,000.00
3HE15775AA	7750 SR-1s + LVDC Power Shelf Bundle, 2.4T 24-port QSFP28 (supported QSFP+/QSFP28) Core Router feature set;  Includes the following; (1) 3HE14648AA - SYS - SR-1s 2.4T 24pt QSFP28 - CR + LVDC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11185AA - PSU - LVDC 6kw Power Supply  7750 SR-1s, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Core Router (CR) scale feature set (1024 per complex = h/w queues, 1024 per complex = egress policers)  This 7750 SR-1s is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Software scale upgradeable to ER or HE feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 800,000.00	35%	\$ 520,000.00
3HE15775BA	7750 SR-1s + LVDC Power Shelf Bundle, 2.4T 24-port QSFP28 (supported QSFP+/QSFP28) Edge Router feature set:  Includes the following; (1) 3HE14648BA - SYS - SR-1s 2.4T 24pt QSFP28 - ER + LVDC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11185AA - PSU - LVDC 6kw Power Supply  7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. Edge Router (ER) scale feature set (16 384 per complex = h/w queues, 16 384 per complex = egress policers)  This card is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Software scale upgradeable to HE feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 960,000.00	35%	\$ 624,000.00
3HE15775CA	7750 SR-1s + LVDC Power Shelf Bundle, 2.4T 24-port QSFP28 (supported QSFP+/QSFP28) Edge Router feature set:  Includes the following; (1) 3HE14648CA - SYS - SR-1s 2.4T 24pt QSFP28 - HE + LVDC (5) 3HE12376AA - FAN - 7750 SR-1s Fan Module (2) 3HE11185AA - PSU - LVDC 6kw Power Supply  7750 SR-1s system, 2x FP4 complex, performance restricted to 2.4T FD, port restricted to 24-connectors Universal QSFP28. High-Scale Edge (HE) scale feature set (no restrict hardware queues or egress policers)  This 7750 SR-1s is based off "3HE13800xA - SYS-SR-1s 2.4T 36pt QSFP28 to 3.6T DC" licensed to 2.4T throughput and 24-connectors hard license enabled.  Full High-Scale Edge feature set. Hardware performance upgradeable from 2.4T to 3.6T intelligent fan-in/fan-out.	\$ 1,120,000.00	35%	\$ 728,000.00
3HE15776AA	7750 SR-s CPM2 IMPEDANCE PANEL Impedance Panel, must be installed in every empty CPM slot.	\$ 3,500.00	35%	\$ 2,275.00
3HE15779AA	FAN - 7220 IXR-D3 32QSFP28 2SFP+, FtoB	\$ 181.00	35%	\$ 117.65
3HE15780AA	FAN - 7220 IXR-D2 48SFP28 8QSFP28, FtoB	\$ 181.00	35%	\$ 117.65
3HE15781AA	FAN - 7220 IXR-D2 48SFP28 8QSFP28, BtoF	\$ 181.00	35%	\$ 117.65
3HE15785AA	7250 IXR-X1 supporting 32 x 100 GE QSFP28 + 4 x 400 GE QSFP-DD ports. 1RU system. Ships with accessory kit. 2 x PSUs required for 1+1 power and 3 x fan trays required per system. Fans & PSUs sold separately.	\$ 500,000.00	35%	\$ 325,000.00
3HE15787AA	7250 IXR-X fan tray for 1 RU systems, front-to-back airflow.	\$ 4,000.00	35%	\$ 2,600.00
3HE15789AA	7250 IXR-Xs supporting 6 x 400 GE QSFP-DD ports + 48 x 50 GE SFP56. 1RU System. Ships with a IXR-X 1RU accessory kit. 2 x PSUs required for 1+1 power and 3 x fan trays required per system. Fans & PSUs sold separately.	\$ 450,000.00	35%	\$ 292,500.00
3HE15791AA	7250 IXR-X 1300W AC power supply with front-to-back airflow.	\$ 2,000.00	35%	\$ 1,300.00
3HE15808AA	Release 20.x Operating Software License with support for base features and scaling. One (1) Operating Software License is required for each node in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.  SR-OS License for the following Platforms; 7750 SR-a4/a8 7750 SR-1e/2e/3e 7750 SR-1/7/12/12e 7750 SR-1s/2s/7s/14s 7950 XRS-16c/20/20e/40  Additional functionality and scale are available via additional licenses.	\$ 10,000.00	35%	\$ 6,500.00
3HE15809AA	Release 20.x ZTP - Zero Touch Provisioning - Operating Software License with support for base features and scaling. One (1) Operating Software License is required for each node in the network. Includes two (2) programmed 4GB Compact Flash cards with the Operating Software.  SR-OS License for the following Platforms; 7750 SR-1e 7750 SR-1 7750 SR-1s/2s/7s/14s Additional functionality and scale are available via additional licenses.	\$ 11,000.00	35%	\$ 7,150.00
3HE15839AA	ESA - 7750 SR Extended Services Appliance 100G which provides extended compute functions. AC power. This bundle does not include power cables or QSFP hardware.	\$ 40,000.00	35%	\$ 26,000.00
3HE15840AA	ESA - 7750 SR Extended Services Appliance 100G which provides extended compute functions (no Encryption). AC power. This bundle does not include power cables or QSFP hardware.	\$ 40,000.00	35%	\$ 26,000.00
3HE15841AA	ESA - 7750 SR Extended Services Appliance 100G which provides extended compute functions. DC Power. This bundle does not include QSFP hardware.	\$ 40,000.00	35%	\$ 26,000.00

3HE15842AA	ESA - 7750 SR Extended Services Appliance 100G which provides extended compute functions (no Encryption). DC Power. This bundle does not include QSFP hardware.	\$ 40,000.00	35%	\$ 26,000.00
3HE15843AA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router RTU License 20Gbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 18,000.00	35%	\$ 11,700.00
3HE15844AA	Nuage Virtualized Network Services (VNS) Network Services Software (Virtual) Gateway (NSG-V) Basic Router Annual RTU License 20Gbps Includes: - QoS functionality (ingress policing, egress shaping, classification and marking) - NSG Bootstrapping for activating NSGs through VSP - NSG Automation for centralized provisioning and management - Basic IP Routing and Internet Access support	\$ 7,200.00	35%	\$ 4,680.00
3HE15845AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router RTU License 20Gbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 8,100.00	35%	\$ 5,265.00
3HE15846AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) VPN Router Annual RTU License 20Gbps Includes: - VPN Router add-on for NSG Basic Router License - Enables L2VPN (Point-to-Point, Multipoint) services - Enables L3VPN services Requires the purchase of basic router license	\$ 3,240.00	35%	\$ 2,106.00
3HE15847AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) RTU License 20Gbps	\$ 1,440.00	35%	\$ 936.00
3HE15848AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Access Control List (ACL) Annual RTU 20Gbps	\$ 576.00	35%	\$ 374.40
3HE15849AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) RTU License 20Gbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 2,340.00	35%	\$ 1,521.00
3HE15850AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Network Address Translation (NAT)/Port Address Translation (PAT) Annual RTU License 20Gbps Enables the use of 1:1 NAT and N:1 PAT on underlay addresses	\$ 936.00	35%	\$ 608.40
3HE15851AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec RTU License 20Gbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 7,560.00	35%	\$ 4,914.00
3HE15852AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) IPsec Annual RTU License 20Gbps Enables IPsec wrapping of VXLAN tunnels for L2VPN/L3VPN data path Requires the purchase of NSG VPN License	\$ 3,024.00	35%	\$ 1,965.60
3HE15853AA	Nuage Virtualized Network Services (VNS) Network Services Gateway Border Router (NSG-BR) Right-To-Use 20Gbps Includes: - L3 Domain linking between WAN and DC - IPsec to VxLAN / VxLAN to VxLAN - Enables Policy across WAN and DC Requires the purchase of base route and VPN router licenses An additional IPsec license is required for IPsec to VxLAN	\$ 78,840.00	35%	\$ 51,246.00
3HE15854AA	Nuage Virtualized Network Services (VNS) Network Services Gateway Border Router (NSG-BR) annual RTU License 20Gbps Includes: - L3 Domain linking between WAN and DC - IPsec to VxLAN / VxLAN to VxLAN - Enables Policy across WAN and DC Requires the purchase of base route and VPN router licenses An additional IPsec license is required.	\$ 31,536.00	35%	\$ 20,498.40
3HE15855AA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics RTU License 20Gbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 3,780.00	35%	\$ 2,457.00
3HE15856AA	"Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Business Intelligence Statistics Annual RTU License 20Gbps enables Application Performance Management, Network Performance Measurement, Usage Reporting and Statistics collection from NSGs for analytics purposes"	\$ 1,512.00	35%	\$ 982.80
3HE15857AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining RTU License 20Gbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 3,780.00	35%	\$ 2,457.00
3HE15858AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Service Chaining Annual RTU License 20Gbps Enables service chaining from NSG-to-NSG or NSG-to-service delivery point such as a datacenter VRS, VRS-G, VSG, or other VNF. Requires the purchase of NSG VPN License	\$ 1,512.00	35%	\$ 982.80
3HE15859AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering RTU License 20Gbps	\$ 4,500.00	35%	\$ 2,925.00
3HE15860AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Web Filtering Annual RTU License 20Gbps	\$ 1,800.00	35%	\$ 1,170.00
3HE15861AA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per NSG device with up to 50Mbps license	\$ 120.00	35%	\$ 78.00
3HE15862AA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per NSG device with up to 50Mbps throughput	\$ 48.00	35%	\$ 31.20
3HE15863AA	Nuage Virtualized Security Service Layer 4 Flow Data Source License per NSG device with up to 20Gbps license	\$ 4,500.00	35%	\$ 2,925.00
3HE15864AA	Nuage Virtualized Security Service Layer 4 Flow Data Source Annual RTU License per NSG device with up to 20Gbps throughput	\$ 1,800.00	35%	\$ 1,170.00
3HE15866AA	7220 IXR SR Linux 20.x System license for 7220 IXR-D1/2/3 and 7220 IXR-H2/3 platforms - one per system requiring base level functionality	\$ 15,000.00	35%	\$ 9,750.00
3HE15867AA	7220 IXR SR Linux 20.x Services license for 7220 IXR-D1/2/3 and 7220 IXR-H2/3 platforms - one per system requiring services level functionality (includes system license functionality).	\$ 22,000.00	35%	\$ 14,300.00
3HE15868AA	7220 IXR SR Linux 20.x Advanced license for 7220 IXR-D1/2/3 and 7220 IXR-H2/3 platforms - one per system requiring advanced level functionality (includes services license functionality).	\$ 25,000.00	35%	\$ 16,250.00

3HE15869AA	7220 IXR-D2/3 SR Linux Enhanced scale add-on license - one per system requiring enhanced scale	\$ 10,000.00	35%	\$ 6,500.00
3HE15870AA	7220 IXR-H2/3 SR Linux Enhanced scale add-on license - one per system requiring enhanced scale	\$ 10,000.00	35%	\$ 6,500.00
3HE15896AA	AC Power Cable, IEC-60320-C14 to IEC-60320-C13 AUTO-LOCK, 3.05m (10ft) Long, supported on the 7750 SR-1 and 7210 SAS-S/Sx platforms	\$ 250.00	35%	\$ 162.50
3HE16000AA	FAN - Nuage 7850 NSG-X600 series spare fan module. NSG-X6xx units ship with 2+1 redundant fan modules and this is an additional spare fan module.	\$ 295.00	35%	\$ 191.75
3HE16092AA	FAN - 7220 IXR-D3 32QSFP28 25FP+, BtoF	\$ 181.00	35%	\$ 117.65
3HE16193AA	ACC - Rail-kit (fits 19" RM and 21" OR Rack) for 3HE15621AA 7220 IXR-D1 3HE15622AA 7220 IXR-D2 3HE15623AA 7220 IXR-D3 3HE16425AA 7220 IXR-H3	\$ 615.00	35%	\$ 399.75
3HE16196AA	7750 SR-7s DC complete chassis bundle, shipped with all common hardware. Control Redundant. Includes: (1) 3HE11905AA - CHAS - 7750 SR-7s CHASSIS, (1) 3HE12560AA - CMA - 7750 SR-7s CMA2-7s, (2) 3HE12559AA - CPM - 7750 SR-s CPM2-14s/7s (4) 3HE11315AA - SFM - 7750 SR-7s/14s, (4) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY , (1) 3HE11180AA - CHAS - 7750 SR-7s/14s LVDC POWER SHELF, (3) 3HE11185AA - PSU - LVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: LVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), LVDC power shelf accessory kit and power lug kit, and optional air filter door kit. <u>Chassis accessory kit included</u>	\$ 442,750.00	35%	\$ 287,787.50
3HE16197AA	7750 SR-7s AC/HVDC complete chassis bundle, shipped with all common hardware. Control redundancy. Includes: (1) 3HE11905AA - CHAS - 7750 SR-7s CHASSIS, (1) 3HE12560AA - CMA - 7750 SR-7s CMA2-7s, (2) 3HE12559AA - CPM - 7750 SR-s CPM2-14s/7s (4) 3HE11315AA - SFM - 7750 SR-7s/14s, (4) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY, (1) 3HE11179AA - CHAS - 7750 SR-7s/14s AC/HVDC PWR SHELF (3) 3HE11183AA - PSU - AC/HVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: AC/HVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), AC/HVDC power shelf accessory kit, Power Cords and optional air filter door kit. <u>Chassis accessory kit included</u>	\$ 442,750.00	35%	\$ 287,787.50
3HE16198AA	7750 SR-7s DC complete chassis bundle, shipped with all common hardware. No control redundancy. Includes: (1) 3HE11905AA - CHAS - 7750 SR-7s CHASSIS, (1) 3HE12560AA - CMA - 7750 SR-7s CMA2-7s, (1) 3HE12559AA - CPM - 7750 SR-s CPM2-14s/7s, (4) 3HE11315AA - SFM - 7750 SR-7s/14s, (4) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY, (1) 3HE11180AA - CHAS - 7750 SR-7s/14s LVDC POWER SHELF, (3) 3HE11185AA - PSU - LVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: LVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), LVDC power shelf accessory kit and power lug kit, and optional air filter door kit. <u>Chassis accessory kit included</u>	\$ 385,250.00	35%	\$ 250,412.50
3HE16199AA	7750 SR-7s AC/HVDC complete chassis bundle, shipped with all common hardware. No control redundancy. Includes: (1) 3HE11905AA - CHAS - 7750 SR-7s CHASSIS, (1) 3HE12560AA - CMA - 7750 SR-7s CMA2-7s, (1) 3HE12559AA - CPM - 7750 SR-s CPM2-14s/7s, (4) 3HE11315AA - SFM - 7750 SR-7s/14s, (4) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY, (1) 3HE11179AA - CHAS - 7750 SR-7s/14s AC/HVDC PWR SHELF, (3) 3HE11183AA - PSU - AC/HVDC 6kw POWER SUPPLY, (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD  Note: AC/HVDC Power Shelf includes the filler panels for the PSU.  Additional items in which will need to be purchased separately are; Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), AC/HVDC power shelf accessory kit, Power Cords and optional air filter door kit. <u>Chassis accessory kit included</u>	\$ 385,250.00	35%	\$ 250,412.50

3HE16200AA	<p>7750 SR-14s DC complete chassis bundle, shipped with all common hardware. Includes:</p> <p>(1) 3HE11301AA - CHAS - 7750 SR-14s CHASSIS,  (1) 3HE12561AA - CMA - 7750 SR-14s CMA2-14s,  (2) 3HE12559AA - CPM - 7750 SR-s CPM2-14s/7s  (8) 3HE11315AA - SFM - 7750 SR-7s/14s,  (8) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY,  (1) 3HE11180AA - CHAS - 7750 SR-7s/14s LVDC POWER SHELF,  (5) 3HE11185AA - PSU - LVDC 6kw POWER SUPPLY,  (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD</p> <p>Note: LVDC Power Shelf includes the filler panels for the PSU.</p> <p>Additional items in which will need to be purchased separately are;  Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), LVDC power shelf accessory kit and power lug kit, and optional air filter door kit.</p> <p>Chassis accessory kit included</p>	\$ 701,500.00	35%	\$ 455,975.00
3HE16201AA	<p>7750 SR-14s AC/HVDC complete chassis bundle, shipped with all common hardware. Includes:</p> <p>(1) 3HE11301AA - CHAS - 7750 SR-14s CHASSIS,  (1) 3HE12561AA - CMA - 7750 SR-14s CMA2-14s,  (2) 3HE12559AA - CPM - 7750 SR-s CPM2-14s/7s  (8) 3HE11315AA - SFM - 7750 SR-7s/14s,  (8) 3HE11312AA - FAN - 7750 SR-7s/14s FAN TRAY,  (1) 3HE11179AA - CHAS - 7750 SR-7s/14s AC/HVDC PWR SHELF,  (5) 3HE11183AA - PSU - AC/HVDC 6kw POWER SUPPLY,  (1) 3HE11181AA - COM - 7750 SR-7s/14s COMMUNICATION CARD</p> <p>Note: AC/HVDC Power Shelf includes the filler panels for the PSU.</p> <p>Additional items in which will need to be purchased separately are;  Impedance Panels in all empty slots (XCM-s, XMA-s, CPM-s), AC/HVDC power shelf accessory kit, Power Cords and optional air filter door kit.</p> <p>Chassis accessory kit included</p>	\$ 701,500.00	35%	\$ 455,975.00
3HE16210AA	<p>7220 IXR-D1 with 1 PS AC, FtoB complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15621AA - SYS - 7220 IXR-D1 48baseT 4SFP+  (1) 3HE15625AA - PS - 7220 IXR-D1 48baseT 4SFP+ AC, FtoB  (3) 3HE15631AA - FAN - 7220 IXR-D1 48baseT 4SFP+, FtoB</p>	\$ 14,153.00	35%	\$ 9,199.45
3HE16211AA	<p>7220 IXR-D1 with 1 PS AC, BtoF complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15621AA - SYS - 7220 IXR-D1 48baseT 4SFP+  (1) 3HE15626AA - PS - 7220 IXR-D1 48baseT 4SFP+ AC, BtoF  (3) 3HE15632AA - FAN - 7220 IXR-D1 48baseT 4SFP+, BtoF</p>	\$ 14,153.00	35%	\$ 9,199.45
3HE16212AA	<p>7220 IXR-D1 with 1 PS DC, FtoB complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15621AA - SYS - 7220 IXR-D1 48baseT 4SFP+  (1) 3HE15629AA - PS - 7220 IXR-D1 48baseT 4SFP+ DC, FtoB  (3) 3HE15631AA - FAN - 7220 IXR-D1 48baseT 4SFP+, FtoB</p>	\$ 15,118.00	35%	\$ 9,826.70
3HE16213AA	<p>7220 IXR-D1 with 1 PS DC, BtoF complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15621AA - SYS - 7220 IXR-D1 48baseT 4SFP+  (1) 3HE15630AA - PS - 7220 IXR-D1 48baseT 4SFP+ DC, BtoF  (3) 3HE15632AA - FAN - 7220 IXR-D1 48baseT 4SFP+, BtoF</p>	\$ 15,118.00	35%	\$ 9,826.70
3HE16214AA	<p>7220 IXR-D2 with 1 PS AC, FtoB complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15622AA - SYS - 7220 IXR-D2 48SFP28 8QSFP28  (1) 3HE11886AA - PS - 210 WBX AC (FtoB)  (4) 3HE15780AA - FAN - 7220 IXR-D2 48SFP28 8QSFP28, FtoB</p>	\$ 24,309.00	35%	\$ 15,800.85
3HE16215AA	<p>7220 IXR-D2 with 1 PS AC, BtoF complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15622AA - SYS - 7220 IXR-D2 48SFP28 8QSFP28  (1) 3HE11885AA - PS - 210 WBX AC (BtoF)  (4) 3HE15781AA - FAN - 7220 IXR-D2 48SFP28 8QSFP28, BtoF</p>	\$ 24,309.00	35%	\$ 15,800.85
3HE16216AA	<p>7220 IXR-D2 with 1 PS DC, FtoB complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15622AA - SYS - 7220 IXR-D2 48SFP28 8QSFP28  (1) 3HE10837AA - PS - 210 WBX, 7210 5x 100G -48VDC (FtoB)  (4) 3HE15780AA - FAN - 7220 IXR-D2 48SFP28 8QSFP28, FtoB</p>	\$ 24,939.00	35%	\$ 16,210.35
3HE16217AA	<p>7220 IXR-D2 with 1 PS DC, BtoF complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15622AA - SYS - 7220 IXR-D2 48SFP28 8QSFP28  (1) 3HE11883AA - PS - 210 WBX -48V DC (BtoF)  (4) 3HE15781AA - FAN - 7220 IXR-D2 48SFP28 8QSFP28, BtoF</p>	\$ 24,939.00	35%	\$ 16,210.35
3HE16218AA	<p>7220 IXR-D3 with 1 PS AC, FtoB complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15623AA - SYS - 7220 IXR-D3 32QSFP28 2SFP+  (1) 3HE11886AA - PS - 210 WBX AC (FtoB)  (5) 3HE15779AA - FAN - 7220 IXR-D3 32QSFP28 2SFP+, FtoB</p>	\$ 31,864.00	35%	\$ 20,711.60
3HE16219AA	<p>7220 IXR-D3 with 1 PS AC, BtoF complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15623AA - SYS - 7220 IXR-D3 32QSFP28 2SFP+  (1) 3HE11885AA - PS - 210 WBX AC (BtoF)  (5) 3HE16092AA - FAN - 7220 IXR-D3 32QSFP28 2SFP+, BtoF</p>	\$ 31,864.00	35%	\$ 20,711.60
3HE16220AA	<p>7220 IXR-D3 with 1 PS DC, FtoB complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15623AA - SYS - 7220 IXR-D3 32QSFP28 2SFP+  (1) 3HE10837AA - PS - 210 WBX, 7210 5x 100G -48VDC (FtoB)  (5) 3HE15779AA - FAN - 7220 IXR-D3 32QSFP28 2SFP+, FtoB</p>	\$ 32,494.00	35%	\$ 21,121.10
3HE16221AA	<p>7220 IXR-D3 with 1 PS DC, BtoF complete chassis bundle with all common hardware including:</p> <p>(1) 3HE15623AA - SYS - 7220 IXR-D3 32QSFP28 2SFP+  (1) 3HE11883AA - PS - 210 WBX -48V DC (BtoF)  (5) 3HE16092AA - FAN - 7220 IXR-D3 32QSFP28 2SFP+, BtoF</p>	\$ 32,494.00	35%	\$ 21,121.10
3HE16222AA	<p>7220 IXR-H2 with 2 PS DC, FtoB complete chassis bundle with all common hardware including:</p> <p>(1) 3HE16421AA - SYS - 7220 IXR-H2 128QSFP28  (2) 3HE16426AA - PS - 7220 IXR-H2 128QSFP28 -48VDC, FtoB  (8) 3HE16430AA - FAN - 7220 IXR-H2 128QSFP28, FtoB  (1) 3HE16662AA - ACC - Rail-Kit for 7220 IXR-H2</p>	\$ 93,939.43	35%	\$ 61,060.63



3HE16223AA	7220 IXR-H2 with 2 PS DC, BtoF complete chassis bundle with all common hardware including: (1) 3HE16421AA - SYS - 7220 IXR-H2 128QSF28 (2) 3HE16427AA - PS - 7220 IXR-H2 128QSF28 -48VDC, BtoF (8) 3HE16431AA - FAN - 7220 IXR-H2 128QSF28, BtoF (1) 3HE16662AA - ACC - Rail-Kit for 7220 IXR-H2	\$ 93,939.43	35%	\$ 61,060.63
3HE16224AA	7220 IXR-H2 with 2 PS AC, FtoB complete chassis bundle with all common hardware including: (1) 3HE16421AA - SYS - 7220 IXR-H2 128QSF28 (2) 3HE16428AA - PS - 7220 IXR-H2 128QSF28 AC, FtoB (8) 3HE16430AA - FAN - 7220 IXR-H2 128QSF28, FtoB (1) 3HE16662AA - ACC - Rail-Kit for 7220 IXR-H2	\$ 93,178.43	35%	\$ 60,565.98
3HE16225AA	7220 IXR-H2 with 2 PS AC, BtoF complete chassis bundle with all common hardware including: (1) 3HE16421AA - SYS - 7220 IXR-H2 128QSF28 (2) 3HE16429AA - PS - 7220 IXR-H2 128QSF28 AC, BtoF (8) 3HE16431AA - FAN - 7220 IXR-H2 128QSF28, BtoF (1) 3HE16662AA - ACC - Rail-Kit for 7220 IXR-H2	\$ 93,178.43	35%	\$ 60,565.98
3HE16226AA	7220 IXR-H3 with 1 PS DC, FtoB complete chassis bundle with all common hardware including: (1) 3HE16425AA - SYS - 7220 IXR-H3 32QSFDD 25FP+ (1) 3HE16432AA - PS - 7220 IXR-H3 32QSFDD -48VDC, FtoB (6) 3HE16436AA - FAN - 7220 IXR-H3 32QSFDD, FtoB	\$ 45,834.25	35%	\$ 29,792.26
3HE16227AA	7220 IXR-H3 with 1 PS DC, BtoF complete chassis bundle with all common hardware including: (1) 3HE16425AA - SYS - 7220 IXR-H3 32QSFDD 25FP+ (1) 3HE16433AA - PS - 7220 IXR-H3 32QSFDD -48VDC, BtoF (6) 3HE16437AA - FAN - 7220 IXR-H3 32QSFDD, BtoF	\$ 45,988.00	35%	\$ 29,892.20
3HE16228AA	7220 IXR-H3 with 1 PS AC, FtoB complete chassis bundle with all common hardware including: (1) 3HE16425AA - SYS - 7220 IXR-H3 32QSFDD 25FP+ (1) 3HE16434AA - PS - 7220 IXR-H3 32QSFDD AC, FtoB (6) 3HE16436AA - FAN - 7220 IXR-H3 32QSFDD, FtoB	\$ 45,515.33	35%	\$ 29,584.96
3HE16229AA	7220 IXR-H3 with 1 PS AC, BtoF complete chassis bundle with all common hardware including: (1) 3HE16425AA - SYS - 7220 IXR-H3 32QSFDD 25FP+ (1) 3HE16435AA - PS - 7220 IXR-H3 32QSFDD AC, BtoF (6) 3HE16437AA - FAN - 7220 IXR-H3 32QSFDD, BtoF	\$ 45,669.08	35%	\$ 29,684.90
3HE16421AA	SYS - 7220 IXR-H2 128QSF28, base platform. Does not include fans or power supplies	\$ 87,276.63	35%	\$ 56,729.81
3HE16425AA	SYS - 7220 IXR-H3 32QSFDD 25FP+, base platform. Does not include fans or power supplies	\$ 42,722.01	35%	\$ 27,769.31
3HE16426AA	PS - 7220-H2 128QSF28 -48VDC, FtoB	\$ 1,943.00	35%	\$ 1,262.95
3HE16427AA	PS - 7220-H2 128QSF28 -48VDC, BtoF	\$ 1,943.00	35%	\$ 1,262.95
3HE16428AA	PS - 7220-H2 128QSF28 AC, FtoB	\$ 1,562.50	35%	\$ 1,015.63
3HE16429AA	PS - 7220-H2 128QSF28 AC, BtoF	\$ 1,562.50	35%	\$ 1,015.63
3HE16430AA	FAN - 7220-H2 128QSF28, FtoB	\$ 278.35	35%	\$ 180.93
3HE16431AA	FAN - 7220-H2 128QSF28, BtoF	\$ 278.35	35%	\$ 180.93
3HE16432AA	PS - 7220-H3 32QSFDD -48VDC, FtoB	\$ 2,347.24	35%	\$ 1,525.71
3HE16433AA	PS - 7220-H3 32QSFDD -48VDC, BtoF	\$ 2,347.24	35%	\$ 1,525.71
3HE16434AA	PS - 7220-H3 32QSFDD AC, FtoB	\$ 2,028.32	35%	\$ 1,318.41
3HE16435AA	PS - 7220-H3 32QSFDD AC, BtoF	\$ 2,028.32	35%	\$ 1,318.41
3HE16436AA	FAN - 7220-H3 32QSFDD, FtoB	\$ 127.50	35%	\$ 82.88
3HE16437AA	FAN - 7220-H3 32QSFDD, BtoF	\$ 153.13	35%	\$ 99.53
3HE16455AA	This RTU is required to enable IPsec bandwidth in increments of 100 Mbps for IMIX traffic distribution on ESA; One (1) license is required for every increment of 100 Mbps of IPsec encryption capacity on ESA per SR. Multiple RTUs may be applied to a single SR to allow the required bandwidth scale.	\$ 250.00	35%	\$ 162.50
3HE16456AA	This RTU is required to enable IPsec tunnel scale in increments of 1,000 on ESA; One (1) license is required for every increment of 1,000 IPsec tunnels on ESA per SR. Multiple RTUs may be applied to a single SR to allow the required tunnel scale.	\$ 1,500.00	35%	\$ 975.00
3HE16493AA	SROS license to be able to use the MS-ISA for Perfect Stream. This license can repair 50 channels total (50x2 ingress video stream). Additional licenses are required for each video application. A Per system license. The "Video Base license" is required	\$ 50,000.00	35%	\$ 32,500.00
3HE16507AA	7250 IXR-X fan tray for 1 RU systems, back-to-front airflow.	\$ 4,000.00	35%	\$ 2,600.00
3HE16510AA	7250 IXR-e DC power cable 5-pack. 6m (19.7').	\$ 1,200.00	35%	\$ 780.00
3HE16511AA	Spare SD card (8GB). -40 to 85C, SLC.	\$ 800.00	35%	\$ 520.00
3HE16512AA	1RU kit to convert the 7250 IXR-e airflow from right-to-left to front-to-back. Note that there may be limitation that apply when using this. Refer to install manuals for details.	\$ 800.00	35%	\$ 520.00
3HE16598AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Intrusion Detection and Prevention (IDP) Base software Perpetual Right-To-Use license Up to 100Mbps. Use requires a valid subscription to signature updates (3HE16599AA). Supported on NSG-E200/300 series, NSG-X, and NSG-X200 appliances (not supported on NSG-C, NSG-C600 series, and NSG-X600 series)	\$ 230.00	35%	\$ 149.50
3HE16599AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Intrusion Detection and Prevention (IDP) Signature Updates Annual Subscription Right-To-Use license Up to 100Mbps. Pre-requisite purchase of base IDP license (3HE16598AA) required. Supported on NSG-E200/300 series, NSG-X, and NSG-X200 appliances (not supported on NSG-C, NSG-C600 series, and NSG-X600 series)	\$ 115.00	35%	\$ 74.75
3HE16600AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Intrusion Detection and Prevention (IDP) Base SW and Signature Updates Annual Subscription Right-To-Use license Up to 100Mbps. Supported on NSG-E200/300 series, NSG-X, and NSG-X200 appliances (not supported on NSG-C, NSG-C600 series, and NSG-X600 series)	\$ 210.00	35%	\$ 136.50
3HE16603AA	SYS-7250 IXR-e 24SFP+ 8SFP28 2QSFP28 AC Bundle Includes: (1) 3HE15386AA SYS - 7250 IXR-e 24SFP+ 8SFP28 2QSFP28 GNSS (2) 3HE14784AA PS - 7250 IXR-e AC Software image and AC Power Cables Not included	\$ 41,200.00	35%	\$ 26,780.00
3HE16604AA	SYS-7250 IXR-e 24SFP+ 8SFP28 2QSFP28 DC Bundle Includes: (1) 3HE15386AA SYS - 7250 IXR-e 24SFP+ 8SFP28 2QSFP28 GNSS (2) 3HE14785AA PS - 7250 IXR-e DC Software image Not included	\$ 41,640.00	35%	\$ 27,066.00
3HE16605AA	SYS-7250 IXR-e 14SFP+ 4T AC Bundle Includes (1) 3HE15387AA SYS - 7250 IXR-e 14 SFP+ + 4TX GNSS (2) 3HE14784AA PS - 7250 IXR-e AC Software image and AC Power Cables Not included	\$ 30,200.00	35%	\$ 19,630.00

3HE16606AA	SYS-7250 IXR-e 14SFP+ 4T AC Bundle Includes (1) 3HE15387AA SYS - 7250 IXR-e 14 SFP+ + 4TX GNSS (2) 3HE14785AA PS - IXR-e DC Software image Not included	\$ 30,640.00	35%	\$ 19,916.00
3HE16656AA	Nuage Virtualized Network Services (VNS) software Perpetual Right-To-Use license for sites with the following restrictions: Max access side devices: 5, single-homed deployments (1 uplink support with auxiliary secondary uplink optional), Hub and Spoke Deployment only, NSG hardware appliance purchased, use of IDP feature requires annual subscription to signature updates. MOQ of 500 licenses.	\$ 749.00	35%	\$ 486.85
3HE16657AA	Nuage Virtualized Network Services (VNS) software Annual Right-To-Use license for sites with the following restrictions: Max access side devices allowed: 5, single-homed deployments (1 uplink support with auxiliary secondary uplink optional), Hub and Spoke Deployment only, NSG hardware appliance purchased, use of IDP feature requires annual subscription to signature updates. MOQ of 500 licenses.	\$ 299.00	35%	\$ 194.35
3HE16662AA	ACC - Rail-Kit for 7220 IXR-H2	\$ 550.00	35%	\$ 357.50
3HE16686AA	7250 IXR-X 1800W AC power supply with back-to-front airflow configuration	\$ 3,000.00	35%	\$ 1,950.00
3HE16839AA	7250 IEEE 1588 PTP Freq & Time/Phase Right To Use license. Applicable to 1588 Slave or Boundary or Grandmaster Clocks. OAM performance can be improved with PTP time accuracy Notes: One (1) Operating Software License is required for each IXR-6/10/R6/s/Xs/X1 in the network.	\$ 2,500.00	35%	\$ 1,625.00
3HE16840AA	7250 IEEE 1588 PTP Freq & Time/Phase Right To Use license. Applicable to 1588 Slave or Boundary or Grandmaster Clocks. OAM performance can be improved with PTP time accuracy Notes: One (1) Operating Software License is required for each IXR-R4, IXR-e (2p 100G, 8p 25G, 24p 10G including GNSS variants) in the network.	\$ 1,500.00	35%	\$ 975.00
3HE16841AA	7250 IEEE 1588 PTP Freq & Time/Phase Right To Use license. Applicable to 1588 Slave or Boundary or Grandmaster Clocks. OAM performance can be improved with PTP time accuracy Notes: One (1) Operating Software License is required for each IXR-e (14p 10G, 4p Tx including GNSS variants), IXR-ec, in the network.	\$ 1,000.00	35%	\$ 650.00
3HE16911AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 50Mbps on any NSG appliance	\$ 30.00	35%	\$ 19.50
3HE16912AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 100Mbps on any NSG appliance	\$ 40.00	35%	\$ 26.00
3HE16913AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 200Mbps on any NSG appliance	\$ 60.00	35%	\$ 39.00
3HE16914AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 500Mbps on any NSG appliance	\$ 105.00	35%	\$ 68.25
3HE16915AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 1Gbps on any NSG appliance	\$ 205.00	35%	\$ 133.25
3HE16916AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 2Gbps on any NSG appliance	\$ 620.00	35%	\$ 403.00
3HE16917AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 10Gbps on any NSG appliance	\$ 735.00	35%	\$ 477.75
3HE16918AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 20Gbps on any NSG appliance	\$ 1,125.00	35%	\$ 731.25
3HE16919AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 10Gbps on any VRS instance	\$ 425.00	35%	\$ 276.25
3HE16920AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 25Gbps on any VRS instance	\$ 995.00	35%	\$ 646.75
3HE16921AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Perpetual Right-To-Use license up to 40Gbps on any VRS instance	\$ 1,475.00	35%	\$ 958.75
3HE16922AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 50Mbps on any NSG appliance	\$ 12.00	35%	\$ 7.80
3HE16923AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 100Mbps on any NSG appliance	\$ 16.00	35%	\$ 10.40
3HE16924AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 200Mbps on any NSG appliance	\$ 24.00	35%	\$ 15.60
3HE16925AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 500Mbps on any NSG appliance	\$ 43.00	35%	\$ 27.95
3HE16926AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 1Gbps on any NSG appliance	\$ 84.00	35%	\$ 54.60
3HE16927AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 2Gbps on any NSG appliance	\$ 253.00	35%	\$ 164.45
3HE16928AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 10Gbps on any NSG appliance	\$ 300.00	35%	\$ 195.00
3HE16929AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 20Gbps on any NSG appliance	\$ 459.00	35%	\$ 298.35
3HE16930AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 10Gbps on any VRS instance	\$ 173.00	35%	\$ 112.45
3HE16931AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 25Gbps on any VRS instance	\$ 406.00	35%	\$ 263.90
3HE16932AA	Nuage Virtualized Security Service (VSS) Threat Intelligence based on IP Reputation software Annual Right-To-Use license up to 40Gbps on any VRS instance	\$ 602.00	35%	\$ 391.30
3HE17087AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Intrusion Detection and Prevention (IDP) Base software Perpetual Right-To-Use license Up to 50Mbps. Use requires a valid subscription to signature updates. Supported on NSG-E200/300 series, NSG-X, and NSG-X200 appliances (not supported on NSG-C, NSG-C600 series, and NSG-X600 series)	\$ 175.00	35%	\$ 113.75
3HE17088AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Intrusion Detection and Prevention (IDP) Signature Updates Annual Subscription Right-To-Use license Up to 50Mbps. Pre-requisite purchase of base IDP license required. Supported on NSG-E200/300 series, NSG-X, and NSG-X200 appliances (not supported on NSG-C, NSG-C600 series, and NSG-X600 series)	\$ 85.00	35%	\$ 55.25
3HE17089AA	Nuage Virtualized Network Services (VNS) Network Services Gateway (NSG) Intrusion Detection and Prevention (IDP) Base SW and Signature Updates Annual Subscription Right-To-Use license Up to 50Mbps. Supported on NSG-E200/300 series, NSG-X, and NSG-X200 appliances (not supported on NSG-C, NSG-C600 series, and NSG-X600 series)	\$ 155.00	35%	\$ 100.75
3HE17191AA	7250 IXR-X1 F2B chassis bundle with AC PSUs, includes: (1) 3HE15785AA - 7250 IXR-X1 32P QSFP28+4P QSFP-DD (3) 3HE15787AA - 7250 IXR-X1 1RU Fan Tray (F2B) (2) 3HE15791AA - 7250 IXR-X 1300W AC (F2B)	\$ 516,000.00	35%	\$ 335,400.00

3HE17192AA	7250 IXR-X1 B2F chassis bundle with AC PSUs, includes: (1) 3HE15785AA - 7250 IXR-X1 32P QSFP28+4P QSFP-DD (3) 3HE16507AA - 7250 IXR-X 1RU Fan Tray (B2F) (2) 3HE16686AA - 7250 IXR-X 1800W AC (B2F)	\$ 518,000.00	35%	\$ 336,700.00
3HE17193AA	7250 IXR-Xs F2B chassis bundle with AC PSUs, includes: (1) 3HE15789AA - 7250 IXR-Xs 6P QSFP-DD+48P SFP56 (3) 3HE15787AA - 7250 IXR-X 1RU Fan Tray (F2B) (2) 3HE15791AA - 7250 IXR-X 1300W AC (F2B)	\$ 466,000.00	35%	\$ 302,900.00
3HE17194AA	7250 IXR-Xs B2F chassis bundle with AC PSUs, includes: (1) 3HE15789AA - 7250 IXR-Xs 6P QSFP-DD+48P SFP56 (3) 3HE16507AA - 7250 IXR-X 1RU Fan Tray (B2F) (2) 3HE16686AA - 7250 IXR-X 1800W AC (B2F)	\$ 468,000.00	35%	\$ 304,200.00

END of IRP Catalog Pricing

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

WMD



CODE / PN	PRODUCT / DESCRIPTION	MPL (GLP) \$USD	DISCOUNT	UNIT PRICE
105412522	CA E-KS-24227,L1 26GA RE00 UNDERWRITERS*	\$ 0.36	50%	\$ 0.18
105412530	CA E-812A 4/26 RVAR	\$ 0.19	50%	\$ 0.10
105412928	COPPER CABLE 286A TINNED 4 PAIR, 24AWG	\$ 0.19	50%	\$ 0.10
105412951	COPPER CABLE 286A TINNED 8 PAIR, 24AWG	\$ 0.72	50%	\$ 0.36
106038029	GROM-001-GROM-016 1/16IN*	\$ 3.72	50%	\$ 1.86
106312523	OPTICAL ATTENUATOR,A3010	\$ 6.91	50%	\$ 3.46
106989098	CA E-WP-94077,L2 6PR 22GA CUT TO ORDER *	\$ 1.73	50%	\$ 0.87
107504219	KIT-001-TAPE-MKR CM LBL *	\$ 58.82	50%	\$ 29.41
108072489	ADAPTER ASSEMBLY, C1101A-2	\$ 9.89	50%	\$ 4.95
108672874	CA E-1175ARD 1/22 RVAR 1	\$ 0.50	50%	\$ 0.25
108672890	T1/DS1, 1175A, 22AWG, 1PR, Gray jacket	\$ 0.49	50%	\$ 0.25
109080473	CABLE ASSEMBLY,LCCADS-A-AB-AB-150	\$ 254.14	50%	\$ 127.07
109342246	FI SIM 3.0 SM FC-FC 20M	\$ 15.29	50%	\$ 7.65
109373266	FI SIM 1.6 SM LC-LC 3M	\$ 10.86	50%	\$ 5.43
109543835	CA ASSY-LWSCC3-12-BS-NC-E/W COAX CONNZD*	\$ 94.22	50%	\$ 47.11
109544171	CABLE ASSY*COAX	\$ 94.22	50%	\$ 47.11
109546515	CA E-LWS09 8COND 24GA NON-CONN 300V CUS*	\$ 0.43	50%	\$ 0.22
109546606	CA E-LWS56 8COND 24GA NON-CONN 300V CUS	\$ 0.59	50%	\$ 0.30
109546754	CA ASSY-LWSES09-O-RJ-RJ-E/W SGNL CONNZD*	\$ 5.11	50%	\$ 2.56
109546952	CA ASSY-LWSES26-B-RS-RS-E/W SGNL CONNZD*	\$ 10.09	50%	\$ 5.05
109547042	CA ASSY-S56ORREW SGNL CONNZD 0FT 300V 8*	\$ 13.44	50%	\$ 6.72
109547059	CA ASSY-LWSES59-O-RJ-RJ-E/W SGNL CONNZD	\$ 8.12	50%	\$ 4.06
109552430	CA ASSY-LWSER16-O-RS-RS-E/W SGNL CONNZD*	\$ 7.16	50%	\$ 3.58
109552455	CA ASSY-LWSES16-O-RS-RS-E/W SGNL CONNZD*	\$ 22.32	50%	\$ 11.16
109552463	CA ASSY-LWSES16-B-RS-RS-E/W SGNL CONNZD*	\$ 10.92	50%	\$ 5.46
109592915	CLI-LWSMC-2-A40LC-LC-E/W 2UN SGL MODE 0*	\$ 41.09	50%	\$ 20.55
109602201	CLB-LWSMC-001C-SRB (OFS#108834169) 1UN *	\$ 0.44	50%	\$ 0.22
109608604	CABLE ASSEMBLY, LWSER13-O-RS-RS-E/W, SIG	\$ 9.96	50%	\$ 4.98
109608646	CABLE ASSEMBLY, LWSES14-O-RS-RS-E/W, SIG	\$ 9.23	50%	\$ 4.62
109608711	CABLE ELECTRONIC, LWS13, 8 COND, 24 GA,	\$ 0.82	50%	\$ 0.41
109608745	CA E-LWS14 8COND 24GA NON-CONN 300V CUS*	\$ 0.82	50%	\$ 0.41
109617241	FIBER OPTIC CABLE INTERCONNECTION, LWSM6	\$ 81.18	50%	\$ 40.59
109619478	CLI-LWSA5-2-SCSC-E/W 2UN MULT OFT CUST *	\$ 57.00	50%	\$ 28.50
109619502	CLI-LWSA5-2-LCLC-E/W 2UN MULT OFT CUST *	\$ 65.40	50%	\$ 32.70
109624387	CA E-LWS54 8COND 24GA NON-CONN 300V CUS*	\$ 0.59	50%	\$ 0.30
109624429	CA ASSY-LWSES54-O-RJ-RJ-E/W SGNL CONNZD*	\$ 8.61	50%	\$ 4.31
109656637	CA SM SX LC-LC, LWSMC2B	\$ 84.48	50%	\$ 42.24
109661959	CA ASSY-LWSES66-O-RS-RS-E/W SGNL CONNZD	\$ 28.08	50%	\$ 14.04
109673483	CA E-LWS19 4PR 24GA NON-CONN 300V CUST *	\$ 0.82	50%	\$ 0.41
109673517	CA ASSY-LWSES19-O-RS-RS-E/W SGNL CONNZD*	\$ 9.23	50%	\$ 4.62
109673533	CABLE ASSY,LWSES19-G-RS-RS-E/W,SHIELDED,	\$ 10.09	50%	\$ 5.05
109673558	CABLE ASSY,LWSER19-O-RS-RS-E/W,SHIELDED,	\$ 9.23	50%	\$ 4.62
109674002	2F, Indoor, SM-BIF, OFNR, 2.9mm OD SubUn	\$ 50.11	50%	\$ 25.06
109708958	CA E-LWS64 8COND 24GA NON-CONN 300V CUS*	\$ 0.96	50%	\$ 0.48
109730002	CA E-LWS12 4PR 24GA NON-CONN 300V CUST *	\$ 0.82	50%	\$ 0.41
109730036	CA ASSY-LWSES12-O-RS-RS-E/W SGNL CONNZD*	\$ 19.07	50%	\$ 9.54
109743195	CA ASSY-LWSES64-O-RS-RS-EW SGNL CONNZD *	\$ 28.56	50%	\$ 14.28
109766063	FEE,1830PSS,3 YEAR SW SUBSCRIPTION	Custom Bid	0%	Custom Bid
109767749	FEE,1830PSS,1 YEAR SW SUBSCRIPTION	Custom Bid	0%	Custom Bid
109767756	FEE,1830PSS-1/PSS-4,1 YR SW SUBSCRIPTION	\$ 1,700.00	50%	\$ 850.00
109767764	FEE,1830PSS-1/PSS-4,3 YR SW SUBSCRIPTION	\$ 5,000.00	50%	\$ 2,500.00
109780270	FEE,1830PSS,SW UPGRADE	\$ 1,200.00	50%	\$ 600.00
109780288	FEE,1830PSS-4,SW UPGRADE	\$ 500.00	50%	\$ 250.00
109781146	1AB187280001, RU OPTO TRX SFP 1GBE LX	\$ 233.00	50%	\$ 116.50
109781450	FEE, 1354RM-PHM, 1 YEAR SW SUBSCRIPTION	\$ 1,700.00	50%	\$ 850.00
109781468	FEE, 1354RM-PHM, 3 YEAR SW SUBSCRIPTION	\$ 5,000.00	50%	\$ 2,500.00

109785691	SFP MODULE,REUSE,CH300,1AB231410033	\$ 3,200.00	50%	\$ 1,600.00
109785709	SFP MODULE,REUSE,CH49,1AB231410014	\$ 3,200.00	50%	\$ 1,600.00
109786384	XFP MODULE,DWWM CH54,REUSE,1AB356630007	\$ 7,327.20	50%	\$ 3,663.60
109791319	OPTO TRX SFP I-16.1 DDM REUSE	\$ 400.00	50%	\$ 200.00
109791582	CIRCUIT PACK,1692 MSE,REUSE,3AL95063AA	\$ 3,632.80	50%	\$ 1,816.40
109792101	REUSE, CKP 109593012,WWCK01,1625 LAMBDA	\$ 61,862.40	50%	\$ 30,931.20
109792119	REUSE, CKP 108940511,WWAD03, 1625 LAMBDA	\$ 7,530.11	50%	\$ 3,765.06
109812412	OMS CORE SW RTU R6.4.1(PA-RISC 2/4 CORE)	\$ 40,000.00	50%	\$ 20,000.00
109812420	OMS CORE SW RTU R6.4.1(ITANIUM 2/4/8 COR	\$ 40,000.00	50%	\$ 20,000.00
109812438	OMS CORE SW RTU R6.4.1(ITANIUM 1 CORE)	\$ 20,000.00	50%	\$ 10,000.00
300475712	POWER CABLE HO7VK-2,5MM-*	\$ 0.51	50%	\$ 0.26
300477627	29178 POWER CABLE HO7VK-6MM GREEN YELLOW	\$ 2.12	50%	\$ 1.06
300478211	CABLE TIE 150MM 3,6MM TY*	\$ 0.22	50%	\$ 0.11
300478310	TESAFLEX 15MM (BLUE) IN*	\$ 0.74	50%	\$ 0.37
300478328	TESAFLEX 15MM (RED) INS*	\$ 0.59	50%	\$ 0.30
300478567	COROPLAST ADHESIVE TAPE *	\$ 0.69	50%	\$ 0.35
300479714	TUBULAR LUG 35MM HOLE OF*	\$ 2.70	50%	\$ 1.35
300480621	53580.080.001 NUT H M8 A4 (STAINLESS ST*	\$ 0.14	50%	\$ 0.07
300492246	CABLE TIE TYB 23M SET O	\$ 0.03	50%	\$ 0.02
300497294	CABLE LUG 2.5MM2 M6	\$ 0.43	50%	\$ 0.22
300497336	TUBE CORRUGATED 23MM TWO-PART BLACK	\$ 16.58	50%	\$ 8.29
300498359	26877 LGY 35MM2 450/750V RED	\$ 13.41	50%	\$ 6.71
300498367	26875 LGY 35MM2 450/750V BLUE	\$ 8.42	50%	\$ 4.21
300503000	BARBED TAPE FIBER OPTIC	\$ 60.42	50%	\$ 30.21
300506219	NUT M6 SKT NR M6 NUT D*	\$ 0.36	50%	\$ 0.18
300506557	TUBE SR- RNF-100 1/4 TYP	\$ 0.78	50%	\$ 0.39
300507449	VELCRO TAPE 4,5M-ROLL	\$ 18.75	50%	\$ 9.38
300537529	HEX-HEAD SCREW,M8X20MM	\$ 0.33	50%	\$ 0.17
300547924	4810000241 HEAT SHRINKAB	\$ 1.45	50%	\$ 0.73
300547932	4810000242 HEAT SHRINKAB	\$ 1.20	50%	\$ 0.60
300547957	4810000244 HEAT SHRINKAB	\$ 3.51	50%	\$ 1.76
300547965	4810000245 HEAT SHRINKAB	\$ 3.62	50%	\$ 1.81
300548146	4810000149 WASHER SPRING*	\$ 0.10	50%	\$ 0.05
300548153	4810000150 WASHER SPRING*	\$ 0.17	50%	\$ 0.09
301005476	Incentive Credit, Optics, 1830 PSS	Custom Bid	0%	Custom Bid
301042891	HIGH LEVEL OTD-DWDM BOOKING PLACEHOLDER	Custom Bid	0%	Custom Bid
301071387	SITE MATERIAL PLACEHOLDER FOR IPD	\$ 0.02	50%	\$ 0.01
400704698	FUSE-KS19780L6 30A PG00 *	\$ 3.48	50%	\$ 1.74
400898318	SUPT-PLT8LH-Q0 CA NYLON PG00 COMMON	\$ 2.40	50%	\$ 1.20
400935615	PLUG-1451 SNAP IN BLANK *	\$ 0.79	50%	\$ 0.40
401231501	FUSE-GMT 1/2A 1/2 AMP GM*	\$ 1.56	50%	\$ 0.78
401231527	FUSE-GMT 3A BUSSMANN DIV*	\$ 1.01	50%	\$ 0.51
401231535	FUSE-GMT 5A 5 AMP GMT BU*	\$ 1.18	50%	\$ 0.59
401359955	LUG TERM-RC2207 STAKON 1*	\$ 0.46	50%	\$ 0.23
401466594	FUSE-GMT 2A TYCO ELECTRONICS	\$ 1.10	50%	\$ 0.55
401922919	PLUG-1470 PUSH PENNY 1/2	\$ 0.50	50%	\$ 0.25
402099436	FUSE-GMT BUSSMANN DIVISI*	\$ 0.91	50%	\$ 0.46
402255152	LUG TERM-10RC10 STAKON T*	\$ 0.66	50%	\$ 0.33
402328926	FUSE-GMT 18/100	\$ 1.03	50%	\$ 0.52
402646657	THREADED ROD, HTHR050	\$ 24.34	50%	\$ 12.17
402777148	CBL PWR 12 AWG 600V SOLID GREEN PVC	\$ 0.29	50%	\$ 0.15
402779839	CBL PWR 12 AWG 600V SOLID WHITE PVC	\$ 0.29	50%	\$ 0.15
402779847	CBL PWR 12 AWG 600V SOLID BLACK PVC	\$ 0.29	50%	\$ 0.15
402834873	COV CAP-P2860-10 CHAN END	\$ 1.68	50%	\$ 0.84
403935059	CONN-5356 LIQ TYT 1-1/2 *	\$ 41.26	50%	\$ 20.63
405171703	FUSE-KS19780L26 30A 30 A*	\$ 10.20	50%	\$ 5.10
405347402	CONN ELEC-WP91412L1 BU00*	\$ 2.06	50%	\$ 1.03
405347436	CONN ELEC-WP91412L2 BU00*	\$ 2.66	50%	\$ 1.33
405347519	CONN ELEC-WP91412L3 BU00 BURNDY CORP.	\$ 2.76	50%	\$ 1.38
405347543	CONN ELEC-WP91412L4 BU00*	\$ 3.12	50%	\$ 1.56
405347683	CONN ELEC-WP91412L8 BU00*	\$ 4.58	50%	\$ 2.29
405347923	CONN ELEC-WP91412L27 BU00 BURNDY CORP.	\$ 6.84	50%	\$ 3.42
405348202	CONN ELEC-WP91412L54 BU0*	\$ 3.74	50%	\$ 1.87

405348228	CONN ELEC-WP91412L56 BU00 BURNDY CORP.	\$ 5.04	50%	\$ 2.52
405356171	Lug,WP91412L73, 2H-5/8,14-10AWG, 8-10 st	\$ 3.55	50%	\$ 1.78
405422858	PAKG-RCB-961 FILAMENT TAPE ROLL 1 X 6*	\$ 13.82	50%	\$ 6.91
405445958	CONN, RF COAX	\$ 0.60	50%	\$ 0.30
405445982	PLUG-WP91246L133 1IN	\$ 1.13	50%	\$ 0.57
405662859	CNTR-RCB988 1.0 EA STOCK	\$ 42.48	50%	\$ 21.24
405663741	CNTR-RCB323 CP	\$ 15.74	50%	\$ 7.87
406021626	CONN ELEC-WP91412L75 LOO*	\$ 2.28	50%	\$ 1.14
406144428	Lug,YAZV10-2TC14, 2H-5/8,14-10AWG, 1/4 s	\$ 3.19	50%	\$ 1.60
406187294	FIBER PROTECTION KIT, FGS-MJWR-A	\$ 30.98	50%	\$ 15.49
406197681	PAKG-RCB 986 OSI - OUTSI*	\$ 31.66	50%	\$ 15.83
406225680	DUCT, FGS-MSHS-A	\$ 124.92	50%	\$ 62.46
406225698	CABLE RACK BRACKET KIT, FGS-HLDR 5/8	\$ 22.90	50%	\$ 11.45
406225714	THREADED ROD BRACKET KIT, FGS-HNTR-5/8	\$ 37.80	50%	\$ 18.90
406281261	HARDWARE, LOCK SCREW-MALE, 250-8501-010	\$ 0.60	50%	\$ 0.30
406298778	END CAP-P2860-10 CHAN PL*	\$ 3.96	50%	\$ 1.98
406308106	GUTTER, FGS-MDSP-A	\$ 73.46	50%	\$ 36.73
406308171	END COVER, FGS-HMEC-A	\$ 18.10	50%	\$ 9.05
406308189	HORIZON FITTING, FGS-MHRT-A	\$ 58.39	50%	\$ 29.20
406308197	COVER, FGS-MSHC-A	\$ 110.30	50%	\$ 55.15
406332841	LUG TERM-WP91412L111 CRI*	\$ 4.13	50%	\$ 2.07
406335141	LUG TERM-WP91412L135 CRI*	\$ 28.34	50%	\$ 14.17
406338145	LUG TERM-WP91412L93 CRIM*	\$ 4.68	50%	\$ 2.34
406338152	LUG TERM-WP91412L94 CRIM*	\$ 4.54	50%	\$ 2.27
406338186	LUG TERM-WP91412L97 CRIM*	\$ 5.59	50%	\$ 2.80
406338194	LUG TERM-WP91412L98 CRIM*	\$ 5.74	50%	\$ 2.87
406338244	LUG TERM-WP91412L101 CRI*	\$ 3.19	50%	\$ 1.60
406338343	LUG TERM-WP91412L103 CRI*	\$ 2.76	50%	\$ 1.38
406338350	LUG	\$ 4.13	50%	\$ 2.07
406338368	LUG TERM-WP91412L105 CRI	\$ 8.83	50%	\$ 4.42
406338392	LUG,TERMINAL,CRIMP 3/8in STUD	\$ 2.40	50%	\$ 1.20
406338400	LUG TERM-WP91412L108 CRI*	\$ 3.02	50%	\$ 1.51
406338442	LUG TERMINAL, CRIMP PER WP-91412L110	\$ 2.57	50%	\$ 1.29
406338483	LUG TERM-WP91412L115 CRI	\$ 3.82	50%	\$ 1.91
406338574	LUG TERM-WP91412L117 CRI*	\$ 2.90	50%	\$ 1.45
406338665	LUG TERM-WP91412L121 CRI*	\$ 4.27	50%	\$ 2.14
406338673	LUG TERM-WP91412L122 CRI*	\$ 3.65	50%	\$ 1.83
406386870	FIBER OPTIC CABLE TROUGH,	\$ 14.11	50%	\$ 7.06
406405654	THREADED ROD, FGS-HTHR-5/8-30	\$ 15.43	50%	\$ 7.72
406434175	LUG TERM-WP91412L158 CRI	\$ 12.00	50%	\$ 6.00
406434472	LUG TERM-WP91412L136 CRI	\$ 8.40	50%	\$ 4.20
406455394	FGS-MJWR-C	\$ 9.31	50%	\$ 4.66
406455402	DUCT, FIBER, FGS-KTW1-C	\$ 133.30	50%	\$ 66.65
406471375	CONN ELEC-YA6CL-2TC10 NO*	\$ 4.94	50%	\$ 2.47
406496836	FGuide 90deg Horiz Elbow, 4x4 in,yellow	\$ 64.58	50%	\$ 32.29
406510669	FGuide 45deg Down Elbow, 4x4 in,yellow	\$ 60.86	50%	\$ 30.43
406510693	45 DEGREE UP ELBOW	\$ 83.16	50%	\$ 41.58
406537613	END CAP, 2IN, FGS-HMEC-C	\$ 11.76	50%	\$ 5.88
406537647	HORIZONTAL TEE FITTING, 6 W	\$ 175.54	50%	\$ 87.77
406540963	HORIZON-FGS-MHTA-C T& CO*	\$ 104.78	50%	\$ 52.39
406540971	45 DEGREE UP ELBOW FIBERGUIDE	\$ 69.26	50%	\$ 34.63
406541920	ADAPTER, FGS-MDSA-AC	\$ 57.19	50%	\$ 28.60
406614099	LUG TERM-YA4CL-2TC14 OSI	\$ 5.16	50%	\$ 2.58
406614115	LUG TERM-YA8CL-2TC14 OSI*	\$ 2.18	50%	\$ 1.09
406645671	WR COP-KS22641L1 6GA G 1	\$ 1.20	50%	\$ 0.60
406645721	WR COP-KS22641L1 8GA G 1*	\$ 0.79	50%	\$ 0.40
406645804	WR COP-KS22641L1 12GA W *	\$ 0.34	50%	\$ 0.17
406645820	WR COP-KS22641L1 12GA RED 1COND A STRAN*	\$ 0.34	50%	\$ 0.17
406670109	PLUG ELEC-UPL220-026 TROMPETER ELECTRON*	\$ 8.45	50%	\$ 4.23
406692319	LUG TERM-YA25L-2TC14 1/0	\$ 7.58	50%	\$ 3.79
406700641	FUSE-WP92461L107 30A 170	\$ 12.62	50%	\$ 6.31
406821595	JUNCTION,4X4 CONDUIT CROSS,FGS-MHXP-A	\$ 353.04	50%	\$ 176.52
406836031	CONN ELEC-5357 LIQUIDTIG*	\$ 56.42	50%	\$ 28.21

406905802	PLUG ELEC-UPL220-025 TROMPETER ELECTRON*	\$ 8.45	50%	\$ 4.23
407006337	FUSE-TPA-10 10A 48V DC C*	\$ 20.11	50%	\$ 10.06
407006345	FUSE-TPA-15 15A 48V DC C	\$ 23.52	50%	\$ 11.76
407006360	FUSE-TPA-25 25A 48V DC C	\$ 14.52	50%	\$ 7.26
407006378	FUSE-TPA-30 30A 48V DC C*	\$ 16.08	50%	\$ 8.04
407006394	FUSE-TPA-50 50A 48V DC C*	\$ 15.22	50%	\$ 7.61
407051747	CONDUIT, U0500001001	\$ 2.07	50%	\$ 1.04
407142868	CNTR-RCB 261 OSI - OUTSI*	\$ 49.08	50%	\$ 24.54
407214436	TRIM-AXCUTL L TRIM EDGE	\$ 28.32	50%	\$ 14.16
407225846	KIT-483578900 MTG 483578900 MOUNTING KIT	\$ 198.74	50%	\$ 99.37
407302900	EQP OS-HSC12FR CLEAR TUB	\$ 0.98	50%	\$ 0.49
407319235	LUG TERM-YAV2CL-2TC14FX-90 CRIMP 0.25IN*	\$ 10.44	50%	\$ 5.22
407334671	LUG TERM-WP91412L171 CRIMP 14GA 750GA F*	\$ 2.76	50%	\$ 1.38
407334713	TLB_OV*0A	\$ 18.94	50%	\$ 9.47
407357318	FUSE ALARM/INDICATING PIN/BEAD 15 A #GMT	\$ 1.18	50%	\$ 0.59
407384635	KIT-TMH263 HDWR EQUIPMEN	\$ 8.74	50%	\$ 4.37
407394576	LUG TERM-YA2CL-2TC14E2 C*	\$ 5.35	50%	\$ 2.68
407405489	CBL PWR, DOUBL INS,STRANDED,GRAY,LSZH	\$ 0.84	50%	\$ 0.42
407405497	CBL PWR 600V 1 COND STRANDED GREEN LSZH	\$ 0.84	50%	\$ 0.42
407405505	CBL PWR 600V 1 COND	\$ 0.84	50%	\$ 0.42
407405513	CBL PWR 600V 1COND LSZH	\$ 0.86	50%	\$ 0.43
407405521	CBL PWR, 1 CORE,KS24194 L3 STRANDED,LSZH	\$ 0.86	50%	\$ 0.43
407405539	CBL PWR 12AWG STRANDED GREEN LSZH 1 COND	\$ 0.87	50%	\$ 0.44
407405547	CBL PWR 600V STRANDED 1COND	\$ 0.86	50%	\$ 0.43
407405554	WR PWR-KS24194L3 10GA 600V COPPER 1COND*	\$ 0.96	50%	\$ 0.48
407405570	CBL PWR 10AWG 600V STRANDED GREEN LSZH	\$ 0.96	50%	\$ 0.48
407405588	CBL PWR 600V STRANDED 7x23x0.0201 LSZH	\$ 0.96	50%	\$ 0.48
407405596	CBL PWR 600V 1 COND	\$ 1.44	50%	\$ 0.72
407405604	CBL PWR 600V 1 COND	\$ 1.32	50%	\$ 0.66
407405612	CBL PWR 600V 1 COND LSZH	\$ 1.32	50%	\$ 0.66
407405620	CBL PWR 600V STRANDED 7x23x0.0201 LSZH	\$ 1.32	50%	\$ 0.66
407405638	PWR CBL KS24194 600V 6GA 1COND BLUE LSZH	\$ 1.79	50%	\$ 0.90
407405646	WR PWR-KS24194L3 6GA 600V COPPER 1COND	\$ 1.80	50%	\$ 0.90
407405661	PWR CBL KS24194 600V 6GA 105DEG LSZH	\$ 1.70	50%	\$ 0.85
407405679	CBL PWR 600V STRANDED BLACK 1COND	\$ 0.96	50%	\$ 0.48
407405687	CBL PWR 600V 1 COND	\$ 1.30	50%	\$ 0.65
407405695	PWR CBL KS24194L3 600V 6GA 1COND LSZH	\$ 1.66	50%	\$ 0.83
407405703	PWR CBL KS24194 600V 4GA L3 1 COND LSZH	\$ 2.38	50%	\$ 1.19
407405729	PWR CBL KS24194 600V 4GA L3 1 COND LSZH	\$ 2.02	50%	\$ 1.01
407405752	PWR CBL KS24194 600V 2GA L3 1/0 STRD LSZ	\$ 3.42	50%	\$ 1.71
407405786	PWR CBL KS24194 600V L3 1/0 STRD LSZH	\$ 5.21	50%	\$ 2.61
407405836	CBL PWR 600V 1 COND	\$ 6.68	50%	\$ 3.34
407405844	CBL PWR 600V 1 COND LSZH	\$ 6.17	50%	\$ 3.09
407417179	BRKR CKT-2566-923-00 20A*	\$ 148.94	50%	\$ 74.47
407431857	LUG TERM-YAV4CL-2TC14FX-*	\$ 7.56	50%	\$ 3.78
407576198	LUG TERM-YA6CL-NT6 CRIMP 6GA 6GA 1GA FE	\$ 6.53	50%	\$ 3.27
407576636	CBL PWR 600V 1 COND, STRANDED GRAY LSZH	\$ 0.96	50%	\$ 0.48
407726041	LUG TERM-WP91412L176 CRI	\$ 5.42	50%	\$ 2.71
407749142	LUG TERM-YA8C-L1-BOX CRI	\$ 1.18	50%	\$ 0.59
407758341	LUG TERM-YA25L-2TC38 CRI*	\$ 4.99	50%	\$ 2.50
407767532	EXTN-02324-34 0IN 25.812*	\$ 61.44	50%	\$ 30.72
407817550	LUG TERM-WP91412 L180 CR	\$ 7.03	50%	\$ 3.52
407834258	PWR CBL KS24194 600V 1COND STRANDED RED	\$ 1.89	50%	\$ 0.95
407870468	PWR CBL KS24194 600V 2GA L3 1/0 STRD LSZ	\$ 3.17	50%	\$ 1.59
407890748	LUG TERM-WP91412 L183 CR*	\$ 20.93	50%	\$ 10.47
407890755	LUG TERM-WP91412 L185 CR*	\$ 34.85	50%	\$ 17.43
407998160	BRKR CKT-LMLK1-1RLS4-298*	\$ 47.81	50%	\$ 23.91
407998202	BRKR CKT-LMLK1-1RLS4-298	\$ 23.71	50%	\$ 11.86
407998269	BRKR CKT-LMLK1-1RLS4-298	\$ 21.17	50%	\$ 10.59
408012847	WR PWR-KS24194L4 500 MCM*	\$ 21.24	50%	\$ 10.62
408048320	COAXIAL CONNECTOR, 2025-96-7	\$ 5.74	50%	\$ 2.87
408135887	PWR CBL KS24194 600V 4GA L3 1 COND LSZH	\$ 2.21	50%	\$ 1.11
408140499	PWR CBL 16AWG 600V RED/BLACK PVC STRND	\$ 0.43	50%	\$ 0.22

408140507	WR PWR-WP-93746L1 10GA 600V COPPER 2CON*	\$ 1.92	50%	\$ 0.96
408156545	WR PWR-WP-93746L1 10GA 6*	\$ 2.52	50%	\$ 1.26
408178564	FUSE-KLM-30 30A 600 ALTE	\$ 19.78	50%	\$ 9.89
408201457	FUSE-06115-30 30A 500V D	\$ 20.40	50%	\$ 10.20
408252187	Lug 2H 6AWG 1/4 Stud, 5/8 Spacing, short	\$ 2.95	50%	\$ 1.48
408255255	KIT-FGS-KT03-A1 CAP FIBER CABLE 4in END	\$ 79.20	50%	\$ 39.60
408264547	LUG TERM-LPC245350400 ST*	\$ 14.40	50%	\$ 7.20
408264596	LUG TERM-LPC245391600 ST*	\$ 5.66	50%	\$ 2.83
408275519	CBL PWR 600V 2 COND R/R-BLACK PVC	\$ 3.24	50%	\$ 1.62
408275576	CBL PWR 600V 2 COND B/B-BLACK PVC	\$ 3.24	50%	\$ 1.62
408298131	KIT-209676 FUSE COMMON 1*	\$ 1.03	50%	\$ 0.52
408352003	12x4 Horizontal Tee Yellow	\$ 244.73	50%	\$ 122.37
408352029	12x4 to Single 6 Adapter Yellow	\$ 175.54	50%	\$ 87.77
408352045	GUTTER-FGS-MH9E-F 90 ELB*	\$ 214.99	50%	\$ 107.50
408352060	GUTTER-FGS-HMEC-F END CA*	\$ 32.90	50%	\$ 16.45
408352110	BRKT-FGS-HNTR-F-5/8 CNTL	\$ 57.12	50%	\$ 28.56
408352128	GUTTER-FGS-MEXP-A/B/F DN*	\$ 160.20	50%	\$ 80.10
408373405	KIT-54715 PWR COMMON #6 *	\$ 7.42	50%	\$ 3.71
408373470	Lug,256-30695-1298, 2H-5/8,14-10AWG,1/4	\$ 4.32	50%	\$ 2.16
408382083	KIT-130287 CONNECTOR CORECOMM RJ45 TO D*	\$ 16.03	50%	\$ 8.02
408390318	TRAY-02183-01 SLDG 19X17*	\$ 423.60	50%	\$ 211.80
408397099	Cabling accessory	\$ 16.03	50%	\$ 8.02
408406536	KIT-YA6C-L BOX PWR COMMO	\$ 1.51	50%	\$ 0.76
408414787	KIT-YAV10-2TC10 PWR COMM	\$ 3.79	50%	\$ 1.90
408426039	SLI-BRACKET, 4 INCH L	\$ 5.52	50%	\$ 2.76
408426930	BALUN-MT242A-F TRANSMISS	\$ 0.02	50%	\$ 0.01
408428878	KIT-YA6C-L1 BOX PWR COMM*	\$ 1.63	50%	\$ 0.82
408440642	KIT-YA2CL-2TC14 PWR COMM	\$ 4.22	50%	\$ 2.11
408440675	KIT-YA2C-L2BOX PWR COMMO	\$ 3.07	50%	\$ 1.54
408442515	KIT-YA8C-L BOX PWR COMMO*	\$ 1.18	50%	\$ 0.59
408452134	BRKT-PPBRKT3.5 MTG STL 3*	\$ 11.40	50%	\$ 5.70
408459394	KIT-TP106 TERM BRCG VARI*	\$ 0.36	50%	\$ 0.18
408471043	RACKG OPTN-0040320231 AD*	\$ 36.62	50%	\$ 18.31
408479624	KIT-FGS-JUNC-A JCT ADC S*	\$ 33.53	50%	\$ 16.77
408479632	MATL PAKG-RCB135 ANTSTC *	\$ 4.68	50%	\$ 2.34
408521052	ADPTR EL-095911 F/F DB-2*	\$ 14.76	50%	\$ 7.38
408532679	TUBG-FGS-MFTY-15F PVC 0X*	\$ 67.51	50%	\$ 33.76
408635449	DUCT-FVTHD2X2YL VERTICAL 0IN 0IN 0IN PL*	\$ 103.06	50%	\$ 51.53
408635688	BRC-FTR2X2YL END 0IN 0IN COMMON	\$ 55.94	50%	\$ 27.97
408660538	TUBE-FGS-MEX1-C-5F FTG P*	\$ 75.43	50%	\$ 37.72
408685030	DUCT-FRRA4X4YL HORIZONTAL 0IN 4IN 4IN P*	\$ 150.67	50%	\$ 75.34
408685121	DUCT-FRLPR42BL RDCR 00X4	\$ 57.80	50%	\$ 28.90
408685147	DUCT-FROVRA4X4YL OUTSIDE 0IN 4IN 4IN PL	\$ 150.67	50%	\$ 75.34
408685212	DUCT-FRTR4X4YL SPILLOUT TRUMPET 0IN 4IN	\$ 99.74	50%	\$ 49.87
408694354	KIT-0010580100 FRWK COMM	\$ 7.24	50%	\$ 3.62
408697480	DUCT-FGS-KTW1-CA CHAN 2IN 2IN 72IN PLSTC	\$ 107.83	50%	\$ 53.92
408698652	DUCT-FGS-JUNC-B CONN 6IN 4IN 5IN PLSTC	\$ 37.49	50%	\$ 18.75
408701043	KIT-2023934510 FRWK COMMON (1) 5/8-11 T	\$ 24.00	50%	\$ 12.00
408730133	LBL-19444 INFO 3.125IN 6.5IN GMDBKPAP F*	\$ 1.47	50%	\$ 0.74
408748853	DUCT FIBER CABLE 4 IN, 2 IN	\$ 413.21	50%	\$ 206.61
408763134	BRKR CKT-101607 60A 1 24V DC PROTN PLUG*	\$ 125.95	50%	\$ 62.98
408764439	RACEWAY-02327-01 WRG TROUGH ODEG(A) 25.*	\$ 202.06	50%	\$ 101.03
408764447	AC BLANK RACEWAY 25.84 L	\$ 91.06	50%	\$ 45.53
408768760	BRKR CKT-256694801 60A 1 (-48)V DC TOGL*	\$ 180.46	50%	\$ 90.23
408769081	BRKR CKT-256695901 100A 1 (-48)V DC PRO*	\$ 175.20	50%	\$ 87.60
408769511	BRKR CKT-102277 20A 1 24V DC TOGL PLUG-*	\$ 34.80	50%	\$ 17.40
408769560	BRKR CKT-102281 40A 1 24V DC TOGL PLUG-*	\$ 34.80	50%	\$ 17.40
408769586	BRKR CKT-102283 60A 1 24V DC TOGL PLUG-	\$ 126.34	50%	\$ 63.17
408777472	LUG FERRULE STRAIGHT 4MM2 INS. COPPER DI	\$ 0.08	50%	\$ 0.04
408782803	FUSE-06100C-20 20A 125 AC/DC INDCTG FST*	\$ 10.44	50%	\$ 5.22
408786523	BAR-R2-23-122-3 CA TIE STL ROUND 0.188I*	\$ 22.20	50%	\$ 11.10
408802551	DUCT-FIVRA2X2YL VERT 2.24IN 6.95IN 6.95*	\$ 110.64	50%	\$ 55.32
408802577	DUCT-FOV452X2YL VERT 2.24IN 4.41IN 7.69	\$ 71.62	50%	\$ 35.81



408804417	LUG TERM-245393800 CRIMP 0.25IN 4/0 NO	\$ 168.94	50%	\$ 84.47
408808186	CON-ACCSRY	\$ 5.88	50%	\$ 2.94
408821353	DUCT-FGS-MFAW-A CONN 6.8IN 4.25IN 5.51*	\$ 22.56	50%	\$ 11.28
408839439	CA ASSY-1533R-GREY ETH N-CONNZD 0FT 300	\$ 0.54	50%	\$ 0.27
408839686	SHELF, AR8105BLK, MONITOR, 3.5 IN, 19 IN	\$ 148.75	50%	\$ 74.38
408847697	DUCT-FRTSC4YL COV 0IN 0IN 0IN PLSTC PVC	\$ 121.20	50%	\$ 60.60
408847713	DUCT-FRRASC4YL COV 0IN 0IN 0IN PLSTC PVC	\$ 99.98	50%	\$ 49.99
408847796	DUCT-FROVRASC4YL COV 0IN 0IN 0IN PLSTC	\$ 98.52	50%	\$ 49.26
408848398	DUCT-FGS-MEXP-E-A/B/F SO JCT BS 7.89IN *	\$ 287.28	50%	\$ 143.64
408868651	SPLICE KIT-YSR34FX28FXLTCKITC 350-4/0	\$ 54.60	50%	\$ 27.30
408868677	SPLICE KIT-YSR34FX25FXLTCKITC 350-1/0	\$ 51.00	50%	\$ 25.50
408868719	SPLICE INLINE YSR312CFXLTCKITC 350-2/0	\$ 55.58	50%	\$ 27.79
408868727	SPLICE INLINE YSR29FX25FXLTCKITC 4/0	\$ 40.82	50%	\$ 20.41
408868735	SPLICE INLINE YSR29FX2CFXLTCKITC 4/0-#2	\$ 43.97	50%	\$ 21.99
408868792	SPLICE INLINE YSR25FX6CFXLTCKITC 1/0-#6*	\$ 32.62	50%	\$ 16.31
408868800	SPLICE INLINE YSR2CFX6CFXLTCKITC #2-#6 *	\$ 26.09	50%	\$ 13.05
408868818	LUG TERM YSR4CFX6CFXLTCKITC #4-#6 *	\$ 21.70	50%	\$ 10.85
408871267	CON-ACCSRY	\$ 3.53	50%	\$ 1.77
408874196	CA ELECL-408874196 1COND 1.37795IN B 3.*	\$ 16.43	50%	\$ 8.22
408889616	KIT-RFCH702 CA RK SITE MATERIAL (2) RUB	\$ 4.80	50%	\$ 2.40
408894467	KIT-AFJ2402C FRWK SITE MATERIAL 5 HOLED	\$ 44.88	50%	\$ 22.44
408895274	LUG TERM-YAZV6C2TC14FX CRIMP 0.25IN 6GA	\$ 5.30	50%	\$ 2.65
408895290	LUG TERM-YAZV4C2TC14FX CRIMP 0.25IN 4GA*	\$ 6.62	50%	\$ 3.31
408895316	LUG TERM-YAZV2C2TC14FX CRIMP 0.25IN 2GA*	\$ 6.60	50%	\$ 3.30
408895399	LUG TERM-YAZ2C-2TC14 CRIMP 0.25IN 2GA N*	\$ 6.62	50%	\$ 3.31
408895407	LUG TERM-YAZ25-2TC38 CRIMP 0.375IN 1/0 *	\$ 10.20	50%	\$ 5.10
408895605	LUG TRM, YAZV6C2TC14E1FX,CRMP,,25 , 6GA	\$ 7.27	50%	\$ 3.64
408895639	LUG TERM-YAZV4C2TC14E2FX CRIMP 0.25IN 4*	\$ 9.36	50%	\$ 4.68
408895654	LUG TERM-YAZ2C-2TC38 CRIMP 0.375IN 2GA *	\$ 5.47	50%	\$ 2.74
408895662	LUG TERM-YAZ2C-2TC14E2 CRIMP 0.25IN 2GA*	\$ 8.02	50%	\$ 4.01
408895738	LUG TERM-YAZV2CTC14FX 2GA, 1/4 STUD *	\$ 4.92	50%	\$ 2.46
408895795	LUG TERM-YAZV2C2TC38FX CRIMP 0.375IN 2G*	\$ 5.81	50%	\$ 2.91
408895837	LUG TERM-YAZ25-2TC14 CRIMP 0.25IN 1/0 N*	\$ 8.64	50%	\$ 4.32
408897619	PWR DISTN-009-8005-0404 LOW VLTC 24V 20*	\$ 1,848.00	50%	\$ 924.00
408898625	KIT-FMT-VELCROKIT CA FSTNR ADC 4 STRIPS	\$ 57.65	50%	\$ 28.83
408911378	ROD THD-TR60-06 0.625IN 78IN 6.50032FT *	\$ 28.32	50%	\$ 14.16
408919439	STOP-283855 FIRE STL 36IN	\$ 96.58	50%	\$ 48.29
408922029	LUG TERM-YAZ2C-2TC14E1 CRIMP 0.25IN 2GA*	\$ 7.20	50%	\$ 3.60
408933604	FUSE DUMY-110852 0.406IN 1.5IN PLSTC EA*	\$ 1.71	50%	\$ 0.86
408935310	STR-FBM96CB FILLER PLSTC 0.875IN 96IN B*	\$ 3.50	50%	\$ 1.75
408935336	LUG TERM-54904BEPH STRT 10IN 6GA 6GA 0.*	\$ 2.35	50%	\$ 1.18
408940203	MTG-7113.000 FR 70IN 2IN 0IN STL RITTAL	\$ 103.39	50%	\$ 51.70
408941235	KIT-LWEKIT AUX SITE MATERIAL (20) ETLW *	\$ 10.32	50%	\$ 5.16
408941243	KIT-AFC3206K AUX SITE MATERIAL (2) 12FT	\$ 174.48	50%	\$ 87.24
408941250	KIT-AFC3203K AUX SITE MATERIAL (2) 6FT	\$ 111.84	50%	\$ 55.92
408941300	KIT-SAF2606 CA RK SITE MATERIAL (4) AUX*	\$ 12.24	50%	\$ 6.12
408941318	KIT-SAF2503 CA RK SITE MATERIAL (2) AUX*	\$ 6.48	50%	\$ 3.24
408941755	KIT-ACB6RDG-10 CA RK CA RK (10) POWER C*	\$ 61.96	50%	\$ 30.98
408941854	KIT-WH14K213 CA RK CA RK (13) STRAIGHT *	\$ 84.72	50%	\$ 42.36
408941953	SPLICE INLINE YSR26FX2CFXLTCKITC 2/0-#2	\$ 47.11	50%	\$ 23.56
408941961	SPLICE INLINE YSR25FX2CFXLTCKITC 1/0-#2	\$ 41.04	50%	\$ 20.52
408941979	SPLICE INLINE YSR2CFX4CFXLTCKITC #2-#4	\$ 36.53	50%	\$ 18.27
408943900	WR PWR-KS24194L3 12GA 600V CPR 1COND (E*	\$ 0.87	50%	\$ 0.44
408946606	BRKR CKT-CBB100E 100A 1 (-48)V DC TOGL	\$ 43.20	50%	\$ 21.60
408964559	LUG TERM-YA2CL2TC38 STRT 2GA 2GA FEM CO*	\$ 5.04	50%	\$ 2.52
408971570	FUSE-TLS100 100A 170 DC CKT PROTN NORM *	\$ 24.72	50%	\$ 12.36
408973519	OPTICAL SPLICING MODULE 1U-24 LEFT	\$ 263.53	50%	\$ 131.77
408981249	CONN COAX-BNC-3N-BSC 75OHM BNC PLUG MAL*	\$ 5.35	50%	\$ 2.68
408989366	LUG TERM-YAZV6C2TC14FX90 90 DEG 0.25IN *	\$ 8.52	50%	\$ 4.26
408991263	TOOL-C39407-A139-A12 WR WRPPG PLSTC EA0*	\$ 54.66	50%	\$ 27.33
408991776	TAG-CTND15 WRNG 1.5IN 0.03125IN BRS RD *	\$ 2.78	50%	\$ 1.39
408993004	LBL-408993004 INFO 3.125IN 6.5IN VINLSL*	\$ 1.46	50%	\$ 0.73
408995751	BRACKET, CAB4104CB, CABLE, STEEL, 5 IN,	\$ 4.56	50%	\$ 2.28

409013851	RECTIFIER MODULE, DPS 1200B-48, PLUG IN,	\$ 694.32	50%	\$ 347.16
409015757	BRKT-2100500130 CA STL 0.5IN 5IN 0.25IN*	\$ 18.98	50%	\$ 9.49
409018884	LUG TERM-YAZV4C-2TC14FX90 CRIMP 0.25IN *	\$ 7.66	50%	\$ 3.83
409029279	LUG TERM-256-30695-1148 PRES 0.25IN 6GA*	\$ 7.13	50%	\$ 3.57
409030616	KIT-CAF2902 AUX COMMON (1) 5 BOLT (2) *	\$ 6.96	50%	\$ 3.48
409031911	KIT-2075670810 CA RK CABLE RACK POWER C	\$ 38.98	50%	\$ 19.49
409033446	LUG TERM-YH3931WCC CRIMP 0IN 750 MCM FE*	\$ 92.06	50%	\$ 46.03
409033529	CON-ACCSRY	\$ 27.77	50%	\$ 13.89
409033537	LUG TERM-YH292CWCC CRIMP 0IN 4/0 FEM CO*	\$ 44.62	50%	\$ 22.31
409033545	LUG TERM-YH298CWCC CRIMP 0IN 4/0 FEM CO*	\$ 46.73	50%	\$ 23.37
409033552	LUG TERM-YH2C2CWCC CRIMP 0IN 2GA FEM CO*	\$ 23.76	50%	\$ 11.88
409033560	CON-ACCSRY	\$ 27.14	50%	\$ 13.57
409033578	CON-ACCSRY	\$ 15.67	50%	\$ 7.84
409033628	COV-CCFO-FR PROTV PLSTC 0IN CLR POWER	\$ 15.07	50%	\$ 7.54
409033636	COV-CCFD-FR PROTV PLSTC 0IN CLR POWER	\$ 17.18	50%	\$ 8.59
409035011	DUCT-FGS-MFAW-B SPLC 6IN 4IN 4IN PLSTC	\$ 25.42	50%	\$ 12.71
409041647	SPLICE INLINE YSR25FX4CFXLTKITC 1/0-#4	\$ 38.28	50%	\$ 19.14
409047503	LUG TERM-YA2CL2NT14 CRIMP 0.25IN 2GA FE*	\$ 7.32	50%	\$ 3.66
409048113	LUG TERMINAL, YAZ8C-2TC10, STRAIGHT, 8 G	\$ 7.18	50%	\$ 3.59
409048139	LUG TERM-YAZ8C-2TC14 STRT 8GA 8GA 8GA F	\$ 5.28	50%	\$ 2.64
409048162	LUG TERM-YAZ8C-2TC38 STRT 8GA 8GA 8GA F*	\$ 5.28	50%	\$ 2.64
409048170	LUG TERM-YAZ25-2TC14E1 STRT 0GA 0GA 1/0*	\$ 10.13	50%	\$ 5.07
409062072	FUSE-KLM-20 20A 500 DC CRTG FST ACTG SN*	\$ 22.80	50%	\$ 11.40
409062080	FUSE-KLM-15 15A 500 DC CRTG FST ACTG SN	\$ 20.64	50%	\$ 10.32
409062395	DUCT-FGS-MEXP-LP-G FBR CBL 2IN 6IN 6IN *	\$ 216.17	50%	\$ 108.09
409062494	LUG TERM-YAEV10-L36- RNG TONG 10GA 1	\$ 1.56	50%	\$ 0.78
409063864	FRWK-11752-723 0IN STL 23IN 1.72FT 0IN *	\$ 133.32	50%	\$ 66.66
409064235	LUG TERM-YAZ2C2TC3890 CRIMP 0.375IN 0.6	\$ 13.65	50%	\$ 6.83
409064763	KIT-ECN3958 PKG COMMON BOX	\$ 19.58	50%	\$ 9.79
409066859	DUCT, 027-2000-4065, FIBER CABLE, 4 IN,	\$ 117.48	50%	\$ 58.74
409066867	DUCT, 027-1000-4066, FIBER CABLE, 4 IN,	\$ 58.27	50%	\$ 29.14
409067303	ADPTRNONEL-0040320330 BRKT 3.5IN 12-24 *	\$ 32.62	50%	\$ 16.31
409069879	TRUMPT FTG-FGS-MTRM-A FCMS 4IN 4IN 1IN *	\$ 55.56	50%	\$ 27.78
409069887	DUCT-FGS-MU9E-A ELBOW 4.73IN 8.6IN 8.6I	\$ 126.50	50%	\$ 63.25
409070224	BREAKER CIRCUIT, D0017117, 63 A, 1, 250	\$ 48.01	50%	\$ 24.01
409071776	BAT LD ACD-48V125F STDBY RSRV 48V 494LB*	\$ 2,322.89	50%	\$ 1,161.45
409072048	KIT, BATT WIRE #1, 125A, 4 AWG 10 FT *	\$ 156.00	50%	\$ 78.00
409073400	ADPTRNONEL-0040320530 MTG RK 7IN 12-24 *	\$ 240.00	50%	\$ 120.00
409073475	ADPTRNONEL-2086380830 MTG BRKT 8IN 12-2*	\$ 54.55	50%	\$ 27.28
409077054	BRKR CKT-502666 100A 1 (-48)V DC TOGL P	\$ 43.20	50%	\$ 21.60
409077856	KIT-409077856 ASSY LUCENT 408895613 - L	\$ 105.43	50%	\$ 52.72
409079332	COV-FGS-SU9E-A DUCT PLSTC 4IN Y FIBER D*	\$ 62.68	50%	\$ 31.34
409079340	COV-FGS-SU9E-A DUCT PLSTC 4IN Y FIBER D*	\$ 75.22	50%	\$ 37.61
409079357	COV-FGS-SU4E-A DUCT PLSTC 4IN Y FIBER D*	\$ 71.30	50%	\$ 35.65
409079365	COV-FGS-SD4E-A DUCT PLSTC 4IN Y FIBER D	\$ 81.50	50%	\$ 40.75
409079373	COV-FGS-SHRT-B DUCT PLSTC 4IN Y FIBER D*	\$ 119.98	50%	\$ 59.99
409079431	KIT-7231 HDWR COMMON WASHERS	\$ 0.17	50%	\$ 0.09
409084514	KIT-TTS3-153 INSTLN INSTALL 3-WAY STAND*	\$ 105.96	50%	\$ 52.98
409085024	CA ASSY-CA4-0025-17C-T00-1 SGNL CONNZD *	\$ 205.20	50%	\$ 102.60
409085487	KIT-409085487 HDWR COMMON (2) PHM SCREW*	\$ 5.38	50%	\$ 2.69
409086113	DUCT-FGS-MU9A-C ELBOW 2IN 2IN 5IN PLSTC	\$ 76.92	50%	\$ 38.46
409087715	LUG TERM-TN1014 CRIMP 0.25IN 12GA 10GA	\$ 1.56	50%	\$ 0.78
409089174	SPLC-YS2CFXLTKITC 2GA 2GA CODE OR FLX *	\$ 21.50	50%	\$ 10.75
409089836	KIT-WH08K213 CA RK COMMON (13) 8 STRAI*	\$ 74.40	50%	\$ 37.20
409101045	BOX-RCB981 CORRUGATED 12IN 12IN 12IN CA*	\$ 19.27	50%	\$ 9.64
409101052	BOX-RCB303 CORRUGATED 10IN 8IN 2.25IN C*	\$ 11.52	50%	\$ 5.76
409102035	SPLICE IN-LINE, YSR34FX26FXLTKITC, 350*	\$ 45.14	50%	\$ 22.57
409102043	SPLICE IN-LINE, YSR34FX2CFXLTKITC, 350*	\$ 46.06	50%	\$ 23.03
409102548	CONN ELEC-100021C SHLD 8CONT PRES PRES *	\$ 32.76	50%	\$ 16.38
409105848	CNDT ELECL-5346 RGD 1-1/2 ALMN OFT	\$ 46.46	50%	\$ 23.23
409105996	CNDT-ALC 1/2INALUM.CONDUIT RGD 1/2 ALM*	\$ 1.99	50%	\$ 1.00
409106010	CNDT-ALC 1INALUM.CONDUIT RGD 1 ALMN 10*	\$ 4.54	50%	\$ 2.27
409107364	PNL-DI-R2CU1 CRS CONN 19IN 6IN 10.2IN S*	\$ 2,040.79	50%	\$ 1,020.40

409108016	ADPTR EL-82-100 COAX 1UN 0IN 0IN EA00 UL	\$ 24.24	50%	\$ 12.12
409108099	SHLD-99028 ICE 48IN STL EA00 VALMONT IN*	\$ 8,906.42	50%	\$ 4,453.21
409108669	KIT-R-6045L27 LBL SERVICES (1) PTL-64-4*	\$ 239.59	50%	\$ 119.80
409108727	BATTERY TRAY 19 ELTEK VALERE 217035 *	\$ 288.00	50%	\$ 144.00
409109238	SPLICE KIT-YSR2CFX8CFXLTCKITC #2 #8 *	\$ 27.82	50%	\$ 13.91
409109246	SPLICE KIT-YSR4CFX10CLTCKITC #4 #10 *	\$ 43.73	50%	\$ 21.87
409109253	SPLICE KIT-YSR4CFX8CFXLTCKITC #4 #8 *	\$ 27.67	50%	\$ 13.84
409109261	SPLICE KIT-YSR6CFX10CLTCKITC #6 #10 *	\$ 28.99	50%	\$ 14.50
409109287	SPLICE KIT-YSR8CFX10CLTCKITC, #8 #10 *	\$ 24.74	50%	\$ 12.37
409109816	CLI-PAS-MM-12FT 2UN MULT 12FT STD 2UN L*	\$ 47.09	50%	\$ 23.55
409115623	CLI-JR1M0002LCUSCU010F 2UN MULT 10FT ST*	\$ 46.08	50%	\$ 23.04
409117108	CON-PB	\$ 31.56	50%	\$ 15.78
409118544	KIT-R-6045L20A LBL SERVICES (1)PTLFP-01*	\$ 82.92	50%	\$ 41.46
409122603	KIT-TK-0659L4 INSTLN SERVICES (2) ITE-7*	\$ 41.14	50%	\$ 20.57
409122611	KIT-TK-0659L24 INSTLN SERVICES (12) ITE*	\$ 262.70	50%	\$ 131.35
409122637	KIT-TK-0659L48 INSTLN SERVICES (24) ITE	\$ 512.64	50%	\$ 256.32
409122645	KIT-TK-0659L101 INSTLN SERVICES (1) ITE*	\$ 21.74	50%	\$ 10.87
409122660	KIT-TK-0659L124 INSTLN SERVICES (12) IT*	\$ 262.70	50%	\$ 131.35
409122678	KIT-TK-0659L136 INSTLN SERVICES (18) IT*	\$ 423.31	50%	\$ 211.66
409123254	ADPTRNONEL-0040320530 RE*	\$ 46.27	50%	\$ 23.14
409125622	LUG-RA484, INS RING TONGUE 22-18 GA RED	\$ 0.96	50%	\$ 0.48
601165749	CABLE STRAP, ED8C504-50 G6	\$ 5.38	50%	\$ 2.69
601202823	RACEWAY EQUIPMENT, ED8C509-50 G6	\$ 12.72	50%	\$ 6.36
601248404	DOOR, ED6C321-50 G3	\$ 547.56	50%	\$ 273.78
601343874	EQUIPMENT, ED8C610-50 G8	\$ 67.92	50%	\$ 33.96
601401433	EQUIPMENT, ED8C805-50 G7	\$ 34.94	50%	\$ 17.47
601463813	EQUIPMENT, ED8C812-50 G21	\$ 400.80	50%	\$ 200.40
601463839	EQUIPMENT, ED8C812-50 G23	\$ 110.40	50%	\$ 55.20
601463847	EQUIPMENT, ED8C812-50 G24	\$ 156.67	50%	\$ 78.34
601463995	EQUIPMENT, ED8C805-50 G10	\$ 47.02	50%	\$ 23.51
601825250	EQUIPMENT, ED8C784-50 G23	\$ 101.26	50%	\$ 50.63
804222990	FUSE-P422299 DUMMY	\$ 6.79	50%	\$ 3.40
804223006	FUSE-P422300 DUMMY	\$ 7.03	50%	\$ 3.52
814251930	FLAT WASHER, P-42E193, STEEL, 5/8	\$ 0.72	50%	\$ 0.36
847073749	KIT-HDWR KIT #3 MOUNTING*	\$ 7.75	50%	\$ 3.88
847079860	BOLT HEX 18.10 M6/16MM STEEL	\$ 0.11	50%	\$ 0.06
847174901	WSHR-FLAT STEEL ST-70-14*	\$ 0.16	50%	\$ 0.08
847755246	HARDWARE, NUMBER PLATE 145P	\$ 0.17	50%	\$ 0.09
847891264	ASSY- ADPTR ADAPTER	\$ 32.66	50%	\$ 16.33
848201919	KIT-HDWR M5X10MM SCREWS *	\$ 0.48	50%	\$ 0.24
848919601	KIT- CA RK SEE DRAWING IN JMANAGER FOR *	\$ 125.83	50%	\$ 62.92
848919742	JUNCT LOW TO HIGH AUX FRAMING	\$ 27.02	50%	\$ 13.51
848919866	KIT- CA RK SEE DRAWING IN JMANAGER FOR *	\$ 38.47	50%	\$ 19.24
848963625	KIT-KIT-UNISTSUPT BRKT EXTR 1 PC 106198*	\$ 7.30	50%	\$ 3.65
849105812	KIT-849105812 FIXT SITE MATERIAL (2) CO*	\$ 35.71	50%	\$ 17.86
849105895	KIT-849105895 FIXT SITE MATERIAL (2) CO*	\$ 51.38	50%	\$ 25.69
849106018	KIT-849106018 FIXT SITE MATERIAL (2) CO*	\$ 47.71	50%	\$ 23.86
900486861	TUBG-HSC700-1000 CAP	\$ 20.28	50%	\$ 10.14
901198689	WSHR-M5 FLAT M5 5.3X10.0*	\$ 0.02	50%	\$ 0.01
901249813	WSHR-M8 FLAT 8.4X17X1.6M*	\$ 0.05	50%	\$ 0.03
901249821	WSHR LK-M8 HELCL SPG M8 *	\$ 0.04	50%	\$ 0.02
901249839	NUT HEX-M8 M8 6.5X13MM F*	\$ 0.05	50%	\$ 0.03
901263327	SCR CAP-M8X25 8 MM HEX H*	\$ 0.20	50%	\$ 0.10
901328906	TIE-WRAP 4.5X194MM PLSTC	\$ 0.03	50%	\$ 0.02
901350322	SCR M-.25 IN 20 TPI 1 IN*	\$ 0.15	50%	\$ 0.08
901361287	SCREW, CAP, M5, .8 MM, 12 MM STANDARD, H	\$ 0.07	50%	\$ 0.04
901377770	BOX- OUTLET 2.125IN 4.65625IN 1.5IN DIE*	\$ 13.06	50%	\$ 6.53
901377838	FTG CNDT-KS5351 INSULATE*	\$ 12.91	50%	\$ 6.46
901396416	SCR M-.216 IN 24 TPI 1/4*	\$ 10.80	50%	\$ 5.40
995840386	SLVG-ACRYL FLEX BRD 20 1*	\$ 2.09	50%	\$ 1.05
996238093	ELB-5252 1/2 90 DEG ELEC*	\$ 6.36	50%	\$ 3.18
996533501	BOX OUTL-4SJD-1 4X11/16IN	\$ 6.77	50%	\$ 3.39
997083795	CNDT ELECL-5362 1/2IN LI*	\$ 14.09	50%	\$ 7.05

997104567	CNDT ELECL-8123 1/2IN IN*	\$ 4.15	50%	\$ 2.08
997623723	LUG TERM-C77 STAKON 12X1*	\$ 0.26	50%	\$ 0.13
997813621	COV-2510 RECEPTACLE	\$ 1.10	50%	\$ 0.55
997813712	COV-8487 CNDT BOX OTHER	\$ 2.01	50%	\$ 1.01
1AB000530001	CONNECTOR, BURNDY LOCKING LATCH	\$ 0.12	50%	\$ 0.06
1AB002130002	CON COAX 1.6/5.6 FEM 75Ohm CRIMP silver	\$ 3.94	50%	\$ 1.97
1AB006030063	HOUSING, SCREENED SUB-D,	\$ 10.64	50%	\$ 5.32
1AB009720030	Male Coaxial Connector (50 Ohms)	\$ 5.71	50%	\$ 2.86
1AB014010001	Kabel Typ 216,8m/LAN-KABEL1:1Cat6/ RJ45	\$ 33.00	50%	\$ 16.50
1AB014410005	FUSE OTHER 15/3.1/20 10A_QUICK	\$ 1.01	50%	\$ 0.51
1AB014410009	FUSE OTHER 15/3.1/20 7.5A_QUICK	\$ 2.50	50%	\$ 1.25
1AB014410010	FUSE*OTHER*15A_QUICK	\$ 1.25	50%	\$ 0.63
1AB017500057	BREAKER, 1A	\$ 170.24	50%	\$ 85.12
1AB017500058	BREAKER 8A	\$ 149.00	50%	\$ 74.50
1AB017500059	BREAKER 4A	\$ 149.00	50%	\$ 74.50
1AB017500061	BREAKER, 10A	\$ 170.24	50%	\$ 85.12
1AB017500062	BREAKER 15A	\$ 149.00	50%	\$ 74.50
1AB017500063	BREAKER 40A	\$ 149.00	50%	\$ 74.50
1AB017500064	BREAKER, 30A	\$ 170.24	50%	\$ 85.12
1AB017500065	BREAKER, 2A	\$ 149.00	50%	\$ 74.50
1AB017500066	BREAKER, 25A	\$ 149.00	50%	\$ 74.50
1AB017500067	BREAKER, 20A	\$ 149.00	50%	\$ 74.50
1AB017500070	CIRCUIT BREAKER 100A	Custom Bid	0%	Custom Bid
1AB017500072	BREAKER, 50A	\$ 149.00	50%	\$ 74.50
1AB017500073	BREAKER, 70A	\$ 149.00	50%	\$ 74.50
1AB017500077	BREAKER, 80A	\$ 149.00	50%	\$ 74.50
1AB017500078	BREAKER, 63A	\$ 149.00	50%	\$ 74.50
1AB017500080	BREAKER, 60A	\$ 149.00	50%	\$ 74.50
1AB017500081	BREAKER, 35A	\$ 149.00	50%	\$ 74.50
1AB024380016	CIRCUIT BREAKER 8A S9 RACK	Custom Bid	0%	Custom Bid
1AB032050003	LUG UNINS RING CRIMP M6 8AWG	\$ 0.66	50%	\$ 0.33
1AB032050093	CABLE LUG 6/>2,5-6	Custom Bid	0%	Custom Bid
1AB032050225	LUG 45deg DOUBLE HOLE 8AWG	\$ 10.20	50%	\$ 5.10
1AB035020095	LUG*FORK*CRIMP_No	\$ 4.82	50%	\$ 2.41
1AB051530076	CON-LUG+FASTON-YA8CL1-BOX	\$ 0.58	50%	\$ 0.29
1AB051530095	LUG PIN CRIMP_UNINSUL 3.72mm/3.74mm 6.35	\$ 3.26	50%	\$ 1.63
1AB051530097	LUG*PIN*CRIMP UNINSUL*6.35mm	\$ 15.77	50%	\$ 7.89
1AB051530098	90deg 2-hole lug: 10AWG, 1/4IN stud size	\$ 8.62	50%	\$ 4.31
1AB051530112	LUG 2 HOLE SCREW_UNINSUL 2.82mm/2.82mm	\$ 8.40	50%	\$ 4.20
1AB051530119	LUG PIN CRIMP_UNINSUL 7.3mm/7.4mm 7.37um	\$ 10.01	50%	\$ 5.01
1AB054490002	LSA-PLUS Series 2 Disco 10P	\$ 6.03	50%	\$ 3.02
1AB058580013	16A istic DC 48V DIN + 2x +svorka	\$ 70.95	50%	\$ 35.48
1AB058580016	CIRC BREAK 10A C60H-DC 1P C	\$ 75.30	50%	\$ 37.65
1AB064050001	CAT 6-19 P_1U PATCHPANEL_w 24 COUPL RJ45	\$ 368.95	50%	\$ 184.48
1AB089570031	CON-OPTO-SMLC_ADAPTOR	\$ 24.00	50%	\$ 12.00
1AB121750001	CIRCUIT BREAKER C60H 1x20A	\$ 73.61	50%	\$ 36.81
1AB121750003	CIRCUIT BREAKER C60H 1x63A	\$ 77.00	50%	\$ 38.50
1AB121750004	CIRCUIT BREAKER C60H 1x50A	\$ 91.04	50%	\$ 45.52
1AB134970011	ADAPTER DB9FxRJ45	\$ 5.47	50%	\$ 2.74
1AB155630001	SHORT JUMPER DUPLEX LC (140/155MM)	\$ 149.00	50%	\$ 74.50
1AB156220001	SLOW EVOA SFP	\$ 1,288.00	50%	\$ 644.00
1AB156410001	CON-CBLRD Connector Modular Jack/Plug	\$ 2.93	50%	\$ 1.47
1AB162710003	CIRCUIT BREAKER 4A 72VDC	\$ 24.00	50%	\$ 12.00
1AB162710004	CIRCUIT BREAKER 8A 72VDC	\$ 14.00	50%	\$ 7.00
1AB162710005	CIRCUIT BREAKER 10A 72VDC	\$ 21.00	50%	\$ 10.50
1AB162710006	CIRCUIT BREAKER 15A 72VDC	\$ 24.00	50%	\$ 12.00
1AB162710007	CIRCUIT BREAKER 20A 72VDC	\$ 42.00	50%	\$ 21.00
1AB162710008	CIRCUIT BREAKER 25A 72VDC	\$ 25.00	50%	\$ 12.50
1AB162710009	CIRCUIT BREAKER 30A 72VDC	\$ 26.00	50%	\$ 13.00
1AB162710015	CIRCUIT BREAKER 40A 72VCC	\$ 27.00	50%	\$ 13.50
1AB169400001	CON-OPTO-SM*FC-SC-ADAPTOR	\$ 8.78	50%	\$ 4.39
1AB182170001	PANEL 16 PORT 120 ohms-W/W WITH CABLE SC	Custom Bid	0%	Custom Bid
1AB182640001	LUG TERMINAL, 1/0 STR, 1/4, HOLE, 5/8 SP	\$ 9.89	50%	\$ 4.95

1AB185030004	CA SM DX 2.7 LC-LC 15M YL LSZH	\$ 57.07	50%	\$ 28.54
1AB185770054	JUMPER MU/LC 80 CM	\$ 66.00	50%	\$ 33.00
1AB185770055	JUMPER MU/LC 88 CM	\$ 34.00	50%	\$ 17.00
1AB185770056	JUMPER MU/LC 108 CM	\$ 68.00	50%	\$ 34.00
1AB187280031	OPTO TRX SFP 1GBE LX/LX10 DDM	\$ 156.00	50%	\$ 78.00
1AB187280033	OPTO TRX SFP 1GBE SX DDM	\$ 80.00	50%	\$ 40.00
1AB187280040	OPTO TRX SFP 1.25GBE LX/LX10 DDM -40/+85	\$ 195.00	50%	\$ 97.50
1AB187280042	OPTO TRX SFP 1GBE ZX DDM	\$ 856.00	50%	\$ 428.00
1AB187280045	OPTO TRX SFP 1.25GBE SX DDM -40/+85	\$ 135.00	50%	\$ 67.50
1AB188030002	CA MM SX 2.0 LC-LC 3M OR	\$ 22.75	50%	\$ 11.38
1AB194670004	OPTO TRX SFP S-1.1 DDM	\$ 116.80	50%	\$ 58.40
1AB194670005	OPTO TRX SFP L-1.1 DDM -40/+85	\$ 308.00	50%	\$ 154.00
1AB194670006	OPTO TRX SFP L-1.2 DDM -40/+85	\$ 500.00	50%	\$ 250.00
1AB194670007	OPTO TRX SFP S-1.1 DDM -40/+85	\$ 140.00	50%	\$ 70.00
1AB195070029	JUMPER LC BC FC MM 50 mic 8 m	Custom Bid	0%	Custom Bid
1AB196340009	CWDM 1470NM PIN SFP DDM	\$ 1,000.00	50%	\$ 500.00
1AB196340010	CWDM 1490NM PIN SFP DDM	\$ 1,000.00	50%	\$ 500.00
1AB196340011	CWDM 1510NM PIN SFP DDM	\$ 800.00	50%	\$ 400.00
1AB196340012	CWDM 1530NM PIN SFP DDM	\$ 800.00	50%	\$ 400.00
1AB196340013	CWDM 1550NM PIN SFP DDM	\$ 800.00	50%	\$ 400.00
1AB196340014	CWDM 1570NM PIN SFP DDM	\$ 1,000.00	50%	\$ 500.00
1AB196340015	CWDM 1590NM PIN SFP DDM	\$ 1,000.00	50%	\$ 500.00
1AB196340016	CWDM 1610NM PIN SFP DDM	\$ 1,000.00	50%	\$ 500.00
1AB196350026	CWDM 1470NM APD SFP DDM	\$ 1,440.00	50%	\$ 720.00
1AB196350027	CWDM 1490NM APD SFP DDM	\$ 1,440.00	50%	\$ 720.00
1AB196350028	CWDM 1510NM APD SFP DDM	\$ 1,440.00	50%	\$ 720.00
1AB196350029	CWDM 1530NM APD SFP DDM	\$ 1,440.00	50%	\$ 720.00
1AB196350030	CWDM 1550NM APD SFP DDM	\$ 1,440.00	50%	\$ 720.00
1AB196350031	CWDM 1570NM APD SFP DDM	\$ 1,440.00	50%	\$ 720.00
1AB196350032	CWDM 1590NM APD SFP DDM	\$ 1,440.00	50%	\$ 720.00
1AB196350033	CWDM 1610NM APD SFP DDM	\$ 1,440.00	50%	\$ 720.00
1AB196360004	OPTO TRX SFP S-4.1 DDM	\$ 228.00	50%	\$ 114.00
1AB196360005	OPTO TRX SFP S-4.1 DDM -40/+85	\$ 251.00	50%	\$ 125.50
1AB196360006	OPTO TRX SFP L-4.1 DDM -40/+85	\$ 313.60	50%	\$ 156.80
1AB196360007	OPTO TRX SFP L-4.2 DDM -40/+85	\$ 432.00	50%	\$ 216.00
1AB196370005	OPTO TRX SFP I-16.1 DDM	\$ 400.00	50%	\$ 200.00
1AB196370006	OPTO TRX SFP S-16.1 DDM -5/+85	\$ 492.00	50%	\$ 246.00
1AB196370007	OPTO TRX SFP S-16.1 ANYRATE DDM	\$ 441.60	50%	\$ 220.80
1AB196370008	OPTO TRX SFP L-16.1 DDM -5/+80	\$ 1,131.00	50%	\$ 565.50
1AB196370009	OPTO TRX SFP L-16.2 DDM -5/+80	\$ 1,323.00	50%	\$ 661.50
1AB196370013	OPTO TRX SFP I-16.1 DDM -40/+85	\$ 425.00	50%	\$ 212.50
1AB202160001	CIRCUIT BREAKER C120H 1x80A 48VCC	\$ 175.39	50%	\$ 87.70
1AB202160002	CIRCUIT BREAKER C120H 1x125A	\$ 315.70	50%	\$ 157.85
1AB202160003	CIRCUIT BREAKER C120H 1x100A	\$ 152.96	50%	\$ 76.48
1AB210170001	EL TRX SFP STM-1EL	\$ 481.00	50%	\$ 240.50
1AB214000005	CA MM SX 1.6 LC-LC 10M YL	\$ 13.44	50%	\$ 6.72
1AB214540001	XFP I-64.1/10GBE BASE L	\$ 1,757.00	50%	\$ 878.50
1AB214540002	XFP 10GBE BASE S (UP TO 10.3 GBS)	\$ 1,194.00	50%	\$ 597.00
1AB214710002	OPTO TRX SFP 100BASE LX -40/+85 DDM	\$ 135.00	50%	\$ 67.50
1AB215120007	CA SM SX 2.0 LC-LC 5M YL LSZH	\$ 11.52	50%	\$ 5.76
1AB215120009	CA SM SX 2.0 LC-LC 15M YL LSZH	\$ 14.07	50%	\$ 7.04
1AB215120038	DUPLEX JUMPER 3.5M - NAR SM FOR INTERNAL	\$ 136.00	50%	\$ 68.00
1AB215120039	PROTECTION Y-CABLE SPLITTER (SMF) - HORI	\$ 1,440.00	50%	\$ 720.00
1AB215120040	PROTECTION Y-CABLE SPLITTER (SMF) - VERT	\$ 1,440.00	50%	\$ 720.00
1AB215120042	PROTECTION Y-CABLE SPLITTER (MMF 50/125	\$ 1,440.00	50%	\$ 720.00
1AB215120057	SIMPLEX JUMPER (2.350M) - NAR - SM FOR L	\$ 80.00	50%	\$ 40.00
1AB215120058	DUPLEX JUMPER (3.5M) - NAR - MM (50UM) F	\$ 104.00	50%	\$ 52.00
1AB215120061	DUPLEX JUMPER S.M. LC/PC-LC/PC 1.4M NAR	\$ 135.00	50%	\$ 67.50
1AB215120075	SHORT JUMPER LC (230MM)	\$ 149.00	50%	\$ 74.50
1AB215120076	SHORT JUMPER LC (155MM)	\$ 149.00	50%	\$ 74.50
1AB215120077	SIMPLEX JUMPER 3.5M - NAR	\$ 57.00	50%	\$ 28.50
1AB215120079	DUPLEX JUMPER (15M) - NAR - SM	\$ 306.00	50%	\$ 153.00
1AB215120080	DUPLEX JUMPER (10M) - NAR - SM	\$ 265.00	50%	\$ 132.50

1AB215120081	DUPLEX JUMPER (7M) - NAR - SM	\$ 241.00	50%	\$ 120.50
1AB215120085	SHORT JUMPER LC (120MM)	\$ 41.00	50%	\$ 20.50
1AB215120086	SHORT JUMPER LC (215MM)	\$ 64.00	50%	\$ 32.00
1AB215120087	SHORT JUMPER LC (185MM)	\$ 54.00	50%	\$ 27.00
1AB215120091	SHORT JUMPER LC (165MM)	\$ 51.00	50%	\$ 25.50
1AB215120093	SHORT JUMPER DUPLEX LC (120/135MM)	\$ 61.00	50%	\$ 30.50
1AB215120094	OPTICAL CABLE ASSY, SM, LC-LC, 140/155MM	\$ 41.00	50%	\$ 20.50
1AB217280001	XFP S64-2B/10GBE BASE E	\$ 3,501.00	50%	\$ 1,750.50
1AB217280002	XFP P1L1-2D2	\$ 9,868.00	50%	\$ 4,934.00
1AB229830003	JLCAT6 2M	\$ 8.61	50%	\$ 4.31
1AB229830006	CABLE ASSY CAT6E S/FTP WE RJ45-RJ45 5M	\$ 11.60	50%	\$ 5.80
1AB229830011	Kabel Typ 216,0,5m/LAN-KABEL1:1Cat6/RJ45	\$ 14.64	50%	\$ 7.32
1AB229830012	Kabel Typ 216,25m/LAN-KABEL1:1Cat6/RJ45	\$ 27.22	50%	\$ 13.61
1AB243210001	CIRC BREAK*100A_FAST, 10/10 GMT_DUAL FEE	\$ 924.00	50%	\$ 462.00
1AB246420001	RFS RSB-CLIP FOR LCF78 7/8INCH CABLE	\$ 21.12	50%	\$ 10.56
1AB251130001	SENSOR*sensor-CMC-TC-access sensor*0A*1*	\$ 213.92	50%	\$ 106.96
1AB252030001	10DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB255910001	LUG 2 HOLE CRIMP_NO 7.37mm 6.35mm	\$ 5.33	50%	\$ 2.67
1AB266440001	2 HOLE LUG M6 HOLES FOR 16MM2	\$ 10.42	50%	\$ 5.21
1AB283380001	Cable entry panel_482.6 mm (19 inch)	\$ 163.51	50%	\$ 81.76
1AB293800001	Parent CA SM-BIF SCA-LC40 RISER 1.6mm YL	\$ 41.60	50%	\$ 20.80
1AB293800002	Parent CA SM-BIF 2F FCA-LC40 RISER 1.6mm	\$ 40.58	50%	\$ 20.29
1AB297410012	CIRCUIT BREAKER 40A, 80VDC, MAGNETIC,_W/	\$ 24.02	50%	\$ 12.01
1AB300680001	LUG,YA8CL-NT8,CMPRSSN_NO 8 WIRE 1 HOLE	\$ 8.16	50%	\$ 4.08
1AB304630001	LUG, 2AWG LONG BARREL_2HOLE 1/4 STUD	\$ 11.06	50%	\$ 5.53
1AB310800001	LUG 2H 1/4IN STUD, 5/8IN, NARROW, 2AWG	\$ 5.06	50%	\$ 2.53
1AB311640003	LUG 4AWG 2HOLE Stud Hole 1/4in CC 5/8in	\$ 11.64	50%	\$ 5.82
1AB324570004	FUSE*KNIFE*NH1*100A_MEDIUM	\$ 42.91	50%	\$ 21.46
1AB328490001	PC2208iir - Red 42in C13 to C14 Power Co	\$ 23.04	50%	\$ 11.52
1AB348170014	CA MM SX 2.4 LC-LC 15M OR	\$ 29.46	50%	\$ 14.73
1AB349800001	Parent CA SM-BIF 2F LCU40-LCU_ONFR 1.6mm	\$ 34.24	50%	\$ 17.12
1AB349820001	OPTO-CABLE-ASSY SM_LC/UPC SC/UPC	\$ 34.24	50%	\$ 17.12
1AB349840001	CA 1F, Red Jacket, Indoor	\$ 20.54	50%	\$ 10.27
1AB352700004	CA-AC POWER SUPPLY-NORTH AMERICA (LZSH/-	\$ 18.00	50%	\$ 9.00
1AB352700007	AC POWER CABLE, AUS PSI	\$ 81.00	50%	\$ 40.50
1AB352700008	CA-AC PWR SUPPLY CABLE NAR (PSS-16II)	\$ 54.00	50%	\$ 27.00
1AB352700009	CA-AC PWR SUPPLY CBL AUS (PSS-16II)	\$ 50.00	50%	\$ 25.00
1AB352700010	CA-AC PWR SUPPLY CBL UK/IRLND (PSS16II)	\$ 54.00	50%	\$ 27.00
1AB352700011	CA-AC PWR SPLY CBL CNTRL EUR (PSS16II)	\$ 46.00	50%	\$ 23.00
1AB352700012	CA-AC PWR SUPPLY C19-C20 16A(PSS-16II)	\$ 70.00	50%	\$ 35.00
1AB352700013	CA-AC PWR SUPPLY C13-C14 (PSS-8)	\$ 61.00	50%	\$ 30.50
1AB353260001	4PR/24AWG CAT5E SINGLE END RJ45 SHLD OE	\$ 18.60	50%	\$ 9.30
1AB356630001	OE-TRX XFP DWDM CH60	\$ 9,159.00	50%	\$ 4,579.50
1AB356630002	OE-TRX XFP DWDM CH59	\$ 9,159.00	50%	\$ 4,579.50
1AB356630003	OE-TRX XFP DWDM CH58	\$ 9,159.00	50%	\$ 4,579.50
1AB356630004	OE-TRX XFP DWDM CH57	\$ 9,159.00	50%	\$ 4,579.50
1AB356630005	OE-TRX XFP DWDM CH56	\$ 9,159.00	50%	\$ 4,579.50
1AB356630006	OE-TRX XFP DWDM CH55	\$ 9,159.00	50%	\$ 4,579.50
1AB356630007	OE-TRX XFP DWDM CH54	\$ 9,159.00	50%	\$ 4,579.50
1AB356630008	OE-TRX XFP DWDM CH53	\$ 9,159.00	50%	\$ 4,579.50
1AB356630009	OE-TRX XFP DWDM CH52	\$ 9,159.00	50%	\$ 4,579.50
1AB356630010	OE-TRX XFP DWDM CH51	\$ 9,159.00	50%	\$ 4,579.50
1AB356630011	OE-TRX XFP DWDM CH50	\$ 9,159.00	50%	\$ 4,579.50
1AB356630012	OE-TRX XFP DWDM CH49	\$ 9,159.00	50%	\$ 4,579.50
1AB356630013	OE-TRX XFP DWDM CH48	\$ 9,159.00	50%	\$ 4,579.50
1AB356630014	OE-TRX XFP DWDM CH47	\$ 9,159.00	50%	\$ 4,579.50
1AB356630015	OE-TRX XFP DWDM CH46	\$ 9,159.00	50%	\$ 4,579.50
1AB356630016	OE-TRX XFP DWDM CH45	\$ 9,159.00	50%	\$ 4,579.50
1AB356630017	OE-TRX XFP DWDM CH44	\$ 9,159.00	50%	\$ 4,579.50
1AB356630018	OE-TRX XFP DWDM CH43	\$ 9,159.00	50%	\$ 4,579.50
1AB356630019	OE-TRX XFP DWDM CH42	\$ 9,159.00	50%	\$ 4,579.50
1AB356630020	OE-TRX XFP DWDM CH41	\$ 9,159.00	50%	\$ 4,579.50
1AB356630021	OE-TRX XFP DWDM CH40	\$ 9,159.00	50%	\$ 4,579.50

1AB356630022	OE-TRX XFP DWDM CH39	\$ 9,159.00	50%	\$ 4,579.50
1AB356630023	OE-TRX XFP DWDM CH38	\$ 9,159.00	50%	\$ 4,579.50
1AB356630024	OE-TRX XFP DWDM CH37	\$ 9,159.00	50%	\$ 4,579.50
1AB356630025	OE-TRX XFP DWDM CH36	\$ 9,159.00	50%	\$ 4,579.50
1AB356630026	OE-TRX XFP DWDM CH35	\$ 9,159.00	50%	\$ 4,579.50
1AB356630027	OE-TRX XFP DWDM CH34	\$ 9,159.00	50%	\$ 4,579.50
1AB356630028	OE-TRX XFP DWDM CH33	\$ 9,159.00	50%	\$ 4,579.50
1AB356630029	OE-TRX XFP DWDM CH32	\$ 7,327.20	50%	\$ 3,663.60
1AB356630030	OE-TRX XFP DWDM CH31	\$ 9,159.00	50%	\$ 4,579.50
1AB356630031	OE-TRX XFP DWDM CH30	\$ 7,327.20	50%	\$ 3,663.60
1AB356630032	OE-TRX XFP DWDM CH29	\$ 9,159.00	50%	\$ 4,579.50
1AB356630033	OE-TRX XFP DWDM CH28	\$ 9,159.00	50%	\$ 4,579.50
1AB356630034	OE-TRX XFP DWDM CH27	\$ 9,159.00	50%	\$ 4,579.50
1AB356630035	OE-TRX XFP DWDM CH26	\$ 9,159.00	50%	\$ 4,579.50
1AB356630036	OE-TRX XFP DWDM CH25	\$ 9,159.00	50%	\$ 4,579.50
1AB356630037	OE-TRX XFP DWDM CH24	\$ 9,159.00	50%	\$ 4,579.50
1AB356630038	OE-TRX XFP DWDM CH23	\$ 9,159.00	50%	\$ 4,579.50
1AB356630039	OE-TRX XFP DWDM CH22	\$ 9,159.00	50%	\$ 4,579.50
1AB356630040	OE-TRX XFP DWDM CH21	\$ 9,159.00	50%	\$ 4,579.50
1AB356630041	OE-TRX XFP DWDM CH20	\$ 9,159.00	50%	\$ 4,579.50
1AB356630042	OE-TRX XFP DWDM CH19	\$ 9,159.00	50%	\$ 4,579.50
1AB356630043	OE-TRX XFP DWDM CH18	\$ 9,159.00	50%	\$ 4,579.50
1AB356630044	OE-TRX XFP DWDM CH17	\$ 9,159.00	50%	\$ 4,579.50
1AB357990001	OE-TRX SFP 100B FX	\$ 128.00	50%	\$ 64.00
1AB359780001	EL TRX SFP 1000BASE-T	\$ 126.00	50%	\$ 63.00
1AB359780002	EL TRX SFP 10/100/1000BASE-T -40/+85	\$ 173.00	50%	\$ 86.50
1AB359780003	EL TRX SFP 10/100/1000BASE-T -40/+85 B	\$ 300.00	50%	\$ 150.00
1AB371240001	8DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250001	4DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250002	2DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250003	6DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250004	12DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250005	14DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250006	1DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250007	3DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250008	5DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250009	7DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB371250010	9DB ATTENUATOR	\$ 101.00	50%	\$ 50.50
1AB373110001	OE-TRX SFP CWDM PIN CH51 B_SFPMULTIRATE	\$ 900.00	50%	\$ 450.00
1AB373120001	OE-TRX SFP CWDM APD CH51 B_SFPMULTIRATE	\$ 1,200.00	50%	\$ 600.00
1AB373120002	OC3/STM1 APD ULH SFP 1510NM	\$ 1,303.00	50%	\$ 651.50
1AB375380001	XFP 10BASE-S	\$ 655.00	50%	\$ 327.50
1AB375380003	XFP S-64.2B/10GBE BASE-E	\$ 2,700.00	50%	\$ 1,350.00
1AB375380004	XFP P1L1-2D2/10GBE BASE-Z	\$ 3,448.00	50%	\$ 1,724.00
1AB375380005	XFP S-64-2B/10GBE BASE-E -40/+85	\$ 3,780.00	50%	\$ 1,890.00
1AB375380007	XFP I-64.1/10GBE BASE-L -40/+85	\$ 806.40	50%	\$ 403.20
1AB375380008	XFP P1L1-2D2/10GBE BASE-Z -5/+85	\$ 3,861.00	50%	\$ 1,930.50
1AB375380009	XFP I-64.1/10GBE BASE-L/10G FC/8.5G FC -	\$ 851.00	50%	\$ 425.50
1AB375380011	XFP 10GBASE-SR/W 8GFC -40/+85	\$ 585.00	50%	\$ 292.50
1AB376350001	SFP S-1.1 -40/+85	\$ 99.00	50%	\$ 49.50
1AB376350002	SFP L-1.1 -40/+85	\$ 279.00	50%	\$ 139.50
1AB376350003	SFP L-1.2 -40/+85	\$ 283.00	50%	\$ 141.50
1AB376360001	SFP S-4.1 -40/+85	\$ 168.00	50%	\$ 84.00
1AB376360002	SFP L-4.1 -40/+85	\$ 319.00	50%	\$ 159.50
1AB376360003	SFP L-4.2 -40/+85	\$ 312.00	50%	\$ 156.00
1AB376370001	SFP I-16.1 -40/+85	\$ 372.00	50%	\$ 186.00
1AB376370002	SFP S-16.1 -5/+85	\$ 247.00	50%	\$ 123.50
1AB376370003	SFP L-16.1 -5/+85	\$ 729.00	50%	\$ 364.50
1AB376370004	SFP L-16.2 -5/+85	Custom Bid	0%	Custom Bid
1AB376370005	SFP S-16.1 ANY RATE -40/+85	\$ 491.00	50%	\$ 245.50
1AB376370007	SFP L-16.1 -40/+85 HARDENED	\$ 635.00	50%	\$ 317.50
1AB376370008	SFP L-16.2 -40/+85	Custom Bid	0%	Custom Bid
1AB376720001	SFP GBE SX -40/+85	\$ 108.00	50%	\$ 54.00

1AB376720002	SFP GBE LX/LX10 -40/+85	\$ 199.00	50%	\$ 99.50
1AB376720003	SFP GBE ZX -40/+85	\$ 1,086.00	50%	\$ 543.00
1AB376720004	SFP 1GBE EZX -40/+85	\$ 1,559.00	50%	\$ 779.50
1AB376720006	SFP GBE VX -40/+85 (1310NM)	\$ 248.00	50%	\$ 124.00
1AB377160001	SFP CWDM SH 1471NM	\$ 756.00	50%	\$ 378.00
1AB377160002	SFP CWDM SH 1491NM	\$ 756.00	50%	\$ 378.00
1AB377160003	SFP CWDM SH 1511NM	\$ 756.00	50%	\$ 378.00
1AB377160004	SFP CWDM SH 1531NM	\$ 756.00	50%	\$ 378.00
1AB377160005	SFP CWDM SH 1551NM	\$ 756.00	50%	\$ 378.00
1AB377160006	SFP CWDM SH 1571NM	\$ 756.00	50%	\$ 378.00
1AB377160007	SFP CWDM SH 1591NM	\$ 756.00	50%	\$ 378.00
1AB377160008	SFP CWDM SH 1611M	\$ 756.00	50%	\$ 378.00
1AB377200009	SFP CWDM LH 1471 NM -40/+85	\$ 1,890.00	50%	\$ 945.00
1AB377200010	SFP CWDM LH 1491 NM -40/+85	\$ 1,890.00	50%	\$ 945.00
1AB377200011	SFP CWDM LH 1511 NM -40/+85	\$ 1,890.00	50%	\$ 945.00
1AB377200012	SFP CWDM LH 1531 NM -40/+85	\$ 1,890.00	50%	\$ 945.00
1AB377200013	SFP CWDM LH 1551 NM -40/+85	\$ 1,890.00	50%	\$ 945.00
1AB377200014	SFP CWDM LH 1571 NM -40/+85	\$ 1,890.00	50%	\$ 945.00
1AB377200015	SFP CWDM LH 1591 NM -40/+85	\$ 1,890.00	50%	\$ 945.00
1AB377200016	SFP CWDM LH 1611 NM -40/+85	\$ 1,890.00	50%	\$ 945.00
1AB377220001	SFP DWDM CH 62	Custom Bid	0%	Custom Bid
1AB377220002	SFP DWDM CH 61	Custom Bid	0%	Custom Bid
1AB377220003	SFP DWDM CH 60	\$ 2,052.00	50%	\$ 1,026.00
1AB377220004	SFP DWDM CH 59	\$ 2,052.00	50%	\$ 1,026.00
1AB377220005	SFP DWDM CH 58	\$ 2,052.00	50%	\$ 1,026.00
1AB377220006	SFP DWDM CH 57	\$ 2,052.00	50%	\$ 1,026.00
1AB377220007	SFP DWDM CH 56	\$ 2,052.00	50%	\$ 1,026.00
1AB377220008	SFP DWDM CH 55	\$ 2,052.00	50%	\$ 1,026.00
1AB377220009	SFP DWDM CH 54	\$ 2,052.00	50%	\$ 1,026.00
1AB377220010	SFP DWDM CH 53	\$ 2,052.00	50%	\$ 1,026.00
1AB377220011	SFP DWDM CH 52	\$ 2,052.00	50%	\$ 1,026.00
1AB377220012	SFP DWDM CH 51	\$ 2,052.00	50%	\$ 1,026.00
1AB377220013	SFP DWDM CH 50	\$ 2,052.00	50%	\$ 1,026.00
1AB377220014	SFP DWDM CH 49	\$ 2,052.00	50%	\$ 1,026.00
1AB377220015	SFP DWDM CH 48	\$ 2,052.00	50%	\$ 1,026.00
1AB377220016	SFP DWDM CH 47	\$ 2,052.00	50%	\$ 1,026.00
1AB377220017	SFP DWDM CH 46	\$ 2,052.00	50%	\$ 1,026.00
1AB377220018	SFP DWDM CH 45	\$ 2,052.00	50%	\$ 1,026.00
1AB377220019	SFP DWDM CH 44	\$ 2,052.00	50%	\$ 1,026.00
1AB377220020	SFP DWDM CH 43	\$ 2,052.00	50%	\$ 1,026.00
1AB377220021	SFP DWDM CH 42	\$ 2,052.00	50%	\$ 1,026.00
1AB377220022	SFP DWDM CH 41	\$ 2,052.00	50%	\$ 1,026.00
1AB377220023	SFP DWDM CH 40	\$ 2,052.00	50%	\$ 1,026.00
1AB377220024	SFP DWDM CH 39	\$ 2,052.00	50%	\$ 1,026.00
1AB377220025	SFP DWDM CH 38	\$ 2,052.00	50%	\$ 1,026.00
1AB377220026	SFP DWDM CH 37	\$ 2,052.00	50%	\$ 1,026.00
1AB377220027	SFP DWDM CH 36	\$ 2,052.00	50%	\$ 1,026.00
1AB377220028	SFP DWDM CH 35	\$ 2,052.00	50%	\$ 1,026.00
1AB377220029	SFP DWDM CH 34	\$ 2,052.00	50%	\$ 1,026.00
1AB377220030	SFP DWDM CH 33	\$ 2,052.00	50%	\$ 1,026.00
1AB377220031	SFP DWDM CH 32	\$ 2,052.00	50%	\$ 1,026.00
1AB377220032	SFP DWDM CH 31	\$ 2,052.00	50%	\$ 1,026.00
1AB377220033	SFP DWDM CH 30	\$ 2,052.00	50%	\$ 1,026.00
1AB377220034	SFP DWDM CH 29	\$ 2,052.00	50%	\$ 1,026.00
1AB377220035	SFP DWDM CH 28	\$ 2,052.00	50%	\$ 1,026.00
1AB377220036	SFP DWDM CH 27	\$ 2,052.00	50%	\$ 1,026.00
1AB377220037	SFP DWDM CH 26	\$ 2,052.00	50%	\$ 1,026.00
1AB377220038	SFP DWDM CH 25	\$ 2,052.00	50%	\$ 1,026.00
1AB377220039	SFP DWDM CH 24	\$ 2,052.00	50%	\$ 1,026.00
1AB377220040	SFP DWDM CH 23	\$ 2,052.00	50%	\$ 1,026.00
1AB377220041	SFP DWDM CH 22	\$ 2,052.00	50%	\$ 1,026.00
1AB377220042	SFP DWDM CH 21	\$ 2,052.00	50%	\$ 1,026.00
1AB377220043	SFP DWDM CH 20	\$ 2,052.00	50%	\$ 1,026.00



1AB377220044	SFP DWDM CH 19	\$ 2,052.00	50%	\$ 1,026.00
1AB377220045	SFP DWDM CH 18	\$ 2,052.00	50%	\$ 1,026.00
1AB377220046	SFP DWDM CH 17	\$ 2,052.00	50%	\$ 1,026.00
1AB378370001	XFP CWDM-LH 1471NM	\$ 7,444.00	50%	\$ 3,722.00
1AB378370002	XFP CWDM-LH 1491NM	\$ 7,444.00	50%	\$ 3,722.00
1AB378370003	XFP CWDM-LH 1511NM	\$ 7,444.00	50%	\$ 3,722.00
1AB378370004	XFP CWDM-LH 1531NM	\$ 7,444.00	50%	\$ 3,722.00
1AB378370005	XFP CWDM-LH 1551NM	\$ 7,444.00	50%	\$ 3,722.00
1AB378370006	XFP CWDM-LH 1571NM	\$ 7,444.00	50%	\$ 3,722.00
1AB378370007	XFP CWDM-LH 1591NM	\$ 7,444.00	50%	\$ 3,722.00
1AB378370008	XFP CWDM-LH 1611NM	\$ 7,444.00	50%	\$ 3,722.00
1AB378370009	XFP CWDM-LH 1471NM (-40/85)	\$ 5,194.00	50%	\$ 2,597.00
1AB378370010	XFP CWDM-LH 1491NM (-40/85)	\$ 5,195.00	50%	\$ 2,597.50
1AB378370011	XFP CWDM-LH 1511NM (-40/85)	\$ 5,195.00	50%	\$ 2,597.50
1AB378370012	XFP CWDM-LH 1531NM (-40/85)	\$ 5,195.00	50%	\$ 2,597.50
1AB378370013	XFP CWDM-LH 1551NM (-40/85)	\$ 5,195.00	50%	\$ 2,597.50
1AB378370014	XFP CWDM-LH 1571NM (-40/85)	\$ 5,195.00	50%	\$ 2,597.50
1AB378370015	XFP CWDM-LH 1591NM (-40/85)	\$ 5,195.00	50%	\$ 2,597.50
1AB378370016	XFP CWDM-LH 1611NM (-40/85)	\$ 5,195.00	50%	\$ 2,597.50
1AB379240001	XFP CWDM-SH 1471NM	\$ 4,050.00	50%	\$ 2,025.00
1AB379240002	XFP CWDM-SH 1491NM	\$ 4,050.00	50%	\$ 2,025.00
1AB379240003	XFP CWDM-SH 1511NM	\$ 4,050.00	50%	\$ 2,025.00
1AB379240004	XFP CWDM-SH 1531NM	\$ 4,050.00	50%	\$ 2,025.00
1AB379240005	XFP CWDM-SH 1551NM	\$ 4,050.00	50%	\$ 2,025.00
1AB379240006	XFP CWDM-SH 1571NM	\$ 4,050.00	50%	\$ 2,025.00
1AB379240007	XFP CWDM-SH 1591NM	\$ 4,050.00	50%	\$ 2,025.00
1AB379240008	XFP CWDM-SH 1611NM	\$ 4,050.00	50%	\$ 2,025.00
1AB379240009	XFP CWDM (40KM) 10G DDM 1471NM (-40/85)	\$ 4,039.00	50%	\$ 2,019.50
1AB379240010	XFP CWDM (40KM) 10G DDM 1491NM (-40/85)	\$ 4,039.00	50%	\$ 2,019.50
1AB379240011	XFP CWDM (40KM) 10G DDM 1511NM (-40/85)	\$ 4,039.00	50%	\$ 2,019.50
1AB379240012	XFP CWDM (40KM) 10G DDM 1531NM (-40/85)	\$ 4,039.00	50%	\$ 2,019.50
1AB379240013	XFP CWDM (40KM) 10G DDM 1551NM (-40/85)	\$ 4,039.00	50%	\$ 2,019.50
1AB379580001	LUG 2 HOLE CRIMP_UNINSUL 6.54mm/6.54mm	\$ 6.94	50%	\$ 3.47
1AB379640001	SFP FC/2FC/4FC 850NM	\$ 186.00	50%	\$ 93.00
1AB382180001	SFP FE 100BASE-LX -40/+85	\$ 146.00	50%	\$ 73.00
1AB390930002	SFP+ 10GBASE-LR/10G FC 10KM SMF -5/+85	\$ 780.00	50%	\$ 390.00
1AB390930004	SFP+ 10GBASE-SR/10G FC MMF -5/+85	\$ 425.00	50%	\$ 212.50
1AB390930007	SFP+ 2/4/8G FC 10KM SMF IB SDR/DDR -5/+8	\$ 839.70	50%	\$ 419.85
1AB390930009	SFP+ 4/8/16G FC 10KM SMF -5/+85	\$ 2,101.00	50%	\$ 1,050.50
1AB390930010	SFP+ 4/8/16G FC MMF -5/+85	\$ 1,440.00	50%	\$ 720.00
1AB390930013	SFP+ P111-2D1/SR1/10GBASE-LR(W)/10XFC SM	\$ 837.00	50%	\$ 418.50
1AB390930014	SFP+ STM-64/OC192 ITU-T S-64.2B/ IR-2/10	\$ 2,136.00	50%	\$ 1,068.00
1AB392040002	QSFP+ 40GBASE-LR4 -5/70	\$ 7,695.00	50%	\$ 3,847.50
1AB392210001	Parent CA SM-BIF 2F SCU-LCU 250/250mm	\$ 52.76	50%	\$ 26.38
1AB393080005	SFP 1000BX / STM-4 20KM UPSTREAM	\$ 343.00	50%	\$ 171.50
1AB393080006	SFP 1000BX / STM-4 20KM DOWNSTREAM	\$ 360.00	50%	\$ 180.00
1AB393080007	SFP 100BX/ FE 40KM-UPSTREAM	Custom Bid	0%	Custom Bid
1AB393080008	SFP 100BX/ FE 40KM-DOWNSTREAM	Custom Bid	0%	Custom Bid
1AB393080009	SFP 1000BX / STM-4 40KM UPSTREAM	\$ 410.00	50%	\$ 205.00
1AB393080010	SFP 1000BX / STM-4 40KM DOWNSTREAM	\$ 432.00	50%	\$ 216.00
1AB393080015	SFP OC-48/STM-16 15KM UPSTREAM	\$ 471.00	50%	\$ 235.50
1AB393080016	SFP OC-48/STM-16 15KM DOWNSTREAM	\$ 551.00	50%	\$ 275.50
1AB393080019	SFP OC-48/STM-16 40KM UPSTREAM	\$ 702.00	50%	\$ 351.00
1AB393080020	SFP OC-48/STM-16 40KM DOWNSTREAM	\$ 217.00	50%	\$ 108.50
1AB402160001	CFP 100G (4X25G) 100G BASE LR4/100G OTU4	\$ 111,780.00	50%	\$ 55,890.00
1AB402160022	CFP LR4 (4X25GBS) 1310NM	Custom Bid	0%	Custom Bid
1AB405070001	DS1 20 port Cross Connect panel	\$ 1,705.15	50%	\$ 852.58
1AB423830001	ADAPTER RJ45_CAT6_KEYSTONE	\$ 8.34	50%	\$ 4.17
1AB424150007	CABLE CAT5E_PLENUM RJ45/RJ45_SHLD 150FT	\$ 170.62	50%	\$ 85.31
1AB426470001	CFP2 100G BASE-LR4 (4X25G) SINGLE RATE 1	\$ 43,235.84	50%	\$ 21,617.92
1AB426470002	CFP2 100G BASE-SR10 (10X10G) SINGLE RATE	\$ 14,032.64	50%	\$ 7,016.32
1AB427960001	Parent CA SM-BIF 24F LC-LC 250/250mm BO	\$ 696.56	50%	\$ 348.28
1AB428190004	CAT6 ASM STR SFTP Bot LSZH WH RJ45 2 m	\$ 3.74	50%	\$ 1.87

1AB428190006	CAT6 ASM STR SFTP Bot_LSZH WH RJ45 3 m	\$ 3.91	50%	\$ 1.96
1AB428190008	CAT6 ASM STR SFTP Bot_LSZH WH RJ45 5.5 m	\$ 11.82	50%	\$ 5.91
1AB428190009	CAT6 ASM STR SFTP Bot_LSZH WH RJ45 10 m	\$ 17.03	50%	\$ 8.52
1AB428190010	CAT6 ASM STR SFTP Bot_LSZH WH RJ45 15 m	\$ 26.22	50%	\$ 13.11
1AB428190011	CAT6 ASM STR SFTP Bot_LSZH WH RJ45 20 m	\$ 36.19	50%	\$ 18.10
1AB428190013	CAT6 ASM STR SFTP Bot_LSZH WH RJ45 30 m	\$ 56.62	50%	\$ 28.31
1AB428190015	CAT6 ASM STR SFTP Bot_LSZH WH RJ45 40 m	\$ 55.15	50%	\$ 27.58
1AB430900001	Ground Busbar Kit, UL, 2x12in Cu w 12x0.	\$ 149.98	50%	\$ 74.99
1AB432400004	CA MM SX 2.0 LCU_SB-LCU_SB 2M AQ LSZH	\$ 13.56	50%	\$ 6.78
1AB441420001	2 Hole Lug w/Window, 4 Flex, 3/8in Stud	\$ 5.81	50%	\$ 2.91
1AB441641045	Parent CA SM-BIF 8F LCU_SB-SCU_SB 36/36I	\$ 198.60	50%	\$ 99.30
1AB441641104	Parent CA SM-BIF 1F LCU_SB/LCU_SB, Int O	\$ 16.26	50%	\$ 8.13
1AB441641106	Parent CA SM-BIF 1F LCU_SB/SCU_SB, Int O	\$ 16.26	50%	\$ 8.13
1AB441641122	Parent CA SM-BIF 2F SCU_SB/SCU_SB, Int O	\$ 32.52	50%	\$ 16.26
1AB441641134	Parent CA SM-BIF 2F LCU_SB-LCU_SB 36/36I	\$ 70.40	50%	\$ 35.20
1AB441641135	Parent CA SM-BIF 2F LCU_SB-SCU_SB 36/36I	\$ 70.40	50%	\$ 35.20
1AB441641170	Parent CA SM-BIF 2F LCU_SB-STU 72/108IN	\$ 70.40	50%	\$ 35.20
1AB441810003	Parent CA SM-BIF 2F LCU_SB-SCU_SB 6/9FT	\$ 71.80	50%	\$ 35.90
1AB445430001	70A Standard-Trip Circuit Breaker 118161	\$ 58.63	50%	\$ 29.32
1AB448430001	Parent CA MM-BIF 12F LCU-LCU, 24/24in BO	\$ 422.40	50%	\$ 211.20
1AB450360001	LUG DISCONNECT FEM CRIMP_YELLOW 620um/88	\$ 0.34	50%	\$ 0.17
1AB457780002	Parent CA SM-BIF 2F LCU_SB-SCA, Int OFNR	\$ 39.62	50%	\$ 19.81
1AB457780003	Parent CA SM-BIF 2F LCA-LCU_SB, Int OFNR	\$ 39.62	50%	\$ 19.81
1AB461630001	Parent CA MM-BIF 2F LCU40-LCU, OFNP 2.0m	\$ 33.60	50%	\$ 16.80
1AB461630002	Parent CA MM-BIF 2F LCU40-SCU, OFNP	\$ 31.92	50%	\$ 15.96
1AB463340001	AC POWER CORD, US PSI	\$ 128.00	50%	\$ 64.00
1AB463340002	AC POWER CORD, EURO PSI	\$ 128.00	50%	\$ 64.00
1AB469590001	CONNECTOR, RCPT ASSY, 64 POS, C SLOT (CH	\$ 29.52	50%	\$ 14.76
1AB470360001	CABLE LAN FTP CAT5e RJ45 10M BK INDOOR	\$ 14.83	50%	\$ 7.42
1AB471070001	JUMPER MPO-MPO_OM3_KEY UP/DOWN_2M	\$ 378.00	50%	\$ 189.00
1AB471070002	JUMPER MPO-MPO_OM3_KEY UP/DOWN_20M	\$ 705.00	50%	\$ 352.50
1AB471070003	JUMPER MPO-MPO_OM3_KEY UP/DOWN_3M	\$ 386.00	50%	\$ 193.00
1AB471070004	JUMPER MPO-MPO_OM3_KEY UP/DOWN_100M	\$ 1,799.00	50%	\$ 899.50
1AB471070005	JUMPER MPO-MPO_OM3_KEY UP/DOWN_90M	\$ 1,655.00	50%	\$ 827.50
1AB471070006	JUMPER MPO-MPO_OM3_KEY UP/DOWN_70M	\$ 1,362.00	50%	\$ 681.00
1AB471070007	JUMPER MPO-MPO_OM3_KEY UP/DOWN_80M	\$ 1,507.00	50%	\$ 753.50
1AB471070008	JUMPER MPO-MPO_OM3_KEY UP/DOWN_60M	\$ 1,211.00	50%	\$ 605.50
1AB471070009	JUMPER MPO-MPO_OM3_KEY UP/DOWN_50M	\$ 1,072.00	50%	\$ 536.00
1AB471070010	JUMPER MPO-MPO_OM3_KEY UP/DOWN_40M	\$ 924.00	50%	\$ 462.00
1AB471070011	JUMPER MPO-MPO_OM3_KEY UP/DOWN_10M	\$ 479.00	50%	\$ 239.50
1AB471070012	JUMPER MPO-MPO_OM3_KEY UP/DOWN_30M	\$ 777.00	50%	\$ 388.50
1AB472790001	MODULAR ADAPTER, DB25(M) to RJ45,8P8C,GY	\$ 3.48	50%	\$ 1.74
1AB474280001	CA-MPT OM4 OPTICAL JUMPER CABLE 3.0M	\$ 613.00	50%	\$ 306.50
1AB474800002	QSFP28 100GBASE-LR4/OTU4 SMF 10KM	\$ 22,000.00	50%	\$ 11,000.00
1AB474800003	QSFP28 100GBASE-LR4 SMF 10KM	\$ 20,000.00	50%	\$ 10,000.00
1AB474800004	QSFP28 100GBASE-SR4 MMF 100M	\$ 7,500.00	50%	\$ 3,750.00
1AB474800005	QSFP28 100GBASE-SR4/OTU4 MMF 100M	\$ 8,250.00	50%	\$ 4,125.00
1AB474800006	QSFP+ 40GBASE-SR4 MMF 100/150M	\$ 1,680.64	50%	\$ 840.32
1AB474800007	QSFP+ 40GBASE-LR4 SMF 10KM	\$ 7,695.36	50%	\$ 3,847.68
1AB474800008	SFP+ 10GBASE-SR 850NM MMF	\$ 424.96	50%	\$ 212.48
1AB474800009	SFP+ 10GBASE-LR 1310NM SMF 10KM	\$ 779.52	50%	\$ 389.76
1AB474800010	SFP+ 11.3GB/S MULTIRATE 1310NM SMF 10KM	\$ 837.12	50%	\$ 418.56
1AB474800011	SFP+ 11.3GB/S MULTIRATE 1550NM SMF 40KM	\$ 2,842.88	50%	\$ 1,421.44
1AB474800012	SFP+ 11.3GB/S MULTIRATE 1550NM SMF 80KM	\$ 4,225.28	50%	\$ 2,112.64
1AB474800013	SFP+ 2/4/8G FC 850NM MMF 50/150M	\$ 198.40	50%	\$ 99.20
1AB474800014	SFP+ 2/4/8G FC 1310NM SMF 10KM	\$ 839.68	50%	\$ 419.84
1AB474800015	SFP+ 4/8/16G FC 850NM MMF	\$ 1,440.00	50%	\$ 720.00
1AB474800016	SFP+ 4/8/16G FC 1310NM SMF 10KM	\$ 2,100.48	50%	\$ 1,050.24
1AB474800017	XFP 10GBASE-SR 850NM MMF 300M	\$ 584.96	50%	\$ 292.48
1AB474800018	XFP 10GB/S MULTIRATE 1310NM SMF 10KM	\$ 628.48	50%	\$ 314.24
1AB474800019	XFP TUNABLE DWDM UP TO 11.3GB/S SMF 80KM	\$ 8,343.04	50%	\$ 4,171.52
1AB474800020	XFP 10GB/S MULTIRATE 1550NM SMF 40KM	\$ 2,699.52	50%	\$ 1,349.76
1AB474800021	XFP OC192/STM64:P1L1-2D2/10GBASE-Z 80KM	\$ 3,448.32	50%	\$ 1,724.16

1AB474800022	SFP 1000BASE-SX+1/2G FC 850NM MMF	\$ 80.64	50%	\$ 40.32
1AB474800023	SFP 1/2/4G FC 850NM MMF	\$ 185.60	50%	\$ 92.80
1AB474800024	SFP 10/1000BASE-T COPPER 100M RJ45	\$ 176.64	50%	\$ 88.32
1AB474800025	SFP OC12-IR1/S.4-1 1310NM SMF 20KM	\$ 318.72	50%	\$ 159.36
1AB474800026	SFP 100/1000BASE-LX 1310NM SMF 10KM	\$ 198.40	50%	\$ 99.20
1AB474800027	SFP OC48-SR/I-16.1 1310NM SMF 2KM	\$ 372.48	50%	\$ 186.24
1AB474800028	SFP OSC CWDM OC3/STM1/FE 1510NM SMF 40KM	\$ 899.84	50%	\$ 449.92
1AB474800029	SFP OSC CWDM OC3/STM1/FE 1510NM SMF 80KM	\$ 1,200.64	50%	\$ 600.32
1AB474800030	SFP OSC CWDM OC3/STM1/FE 1510NM SMF140KM	\$ 1,329.92	50%	\$ 664.96
1AB474800031	SFP OSC CWDM OC3/STM1/FE 1510NM SMF 47DB	\$ 1,457.92	50%	\$ 728.96
1AB474800033	SFP+ 8/16/32G FC 850NM MMF 70/150M	\$ 1,920.00	50%	\$ 960.00
1AB474800034	SFP+ 8/16/32G FC 1310NM SMF 10KM	\$ 3,584.00	50%	\$ 1,792.00
1AB474800035	QSFP28 100GBASE ER4LITE/OTU4 SMF 30/40KM	\$ 52,000.00	50%	\$ 26,000.00
1AB474800036	CFP2 ACO 100G/200G DUAL FIBER ENH PERF	\$ 73,000.00	50%	\$ 36,500.00
1AB474800037	QSFP28 100GE CWDM4 SMF 2KM	\$ 14,000.00	50%	\$ 7,000.00
1AB474800038	QSFP+ 4x10GBASE-LR4 MPO SMF 10KM	\$ 3,200.00	50%	\$ 1,600.00
1AB474800041	SFP 100BASE-T COPPER 100M RJ45	\$ 511.74	50%	\$ 255.87
1AB474800043	SFP+ TUNABLE WDM_UP TO 11.3GB/S SMF 80KM	\$ 4,770.00	50%	\$ 2,385.00
1AB474810001	Lug, 4AWG 2-Hole 90 Degree, 1/2in stud,	\$ 12.34	50%	\$ 6.17
1AB476510005	CIRCUIT_BREAKER 80 VDC 25A 1P	\$ 125.64	50%	\$ 62.82
1AB476510006	CIRCUIT_BREAKER 80 VDC 40A 1P	\$ 125.64	50%	\$ 62.82
1AB476510007	CIRCUIT_BREAKER 80 VDC 50A 1P	\$ 46.55	50%	\$ 23.28
1AB477450001	CA SM SX 1.6 LCU40-LCU40 1M BL INDOOR	\$ 20.71	50%	\$ 10.36
1AB477460001	CA SM SX 1.6 LCU40-LCU40 0.5M BL INDOOR	\$ 20.11	50%	\$ 10.06
1AB478800001	CA-C AND L BAND(C/L)FILTER Y-CABLE	\$ 2,058.00	50%	\$ 1,029.00
1AB478810001	RED & BLUE (R/B) FILTER Y-CABLE	\$ 1,742.00	50%	\$ 871.00
1AB478930001	OPTO-SPLITTER SIMPLEX Y-CABLE	\$ 400.00	50%	\$ 200.00
1AB478950001	1627 DUPLEX FILTER CABLE	\$ 850.00	50%	\$ 425.00
1AB478960001	OPTO-SPLITTER 3DB DUPLEX Y-CABLE	\$ 650.00	50%	\$ 325.00
1AB484530001	CB LELK1-1RS4-30452-80 BULLET TYPE WHITE	\$ 124.99	50%	\$ 62.50
1AB490110001	CA MM 12F 3.0 MPO-MPO 10M AQ PVC OM4 BIF	\$ 604.01	50%	\$ 302.01
1AB490110010	CA MM 12F 3.0 MPO-MPO 20M AQ PVC OM4 IN	\$ 728.02	50%	\$ 364.01
1AB490110011	CA MM 12F 3.0 MPO-MPO 15M AQ PVC OM4 IN	\$ 979.08	50%	\$ 489.54
1AB490110012	CA SM 24F 3.6 MPO-MPO 100M YL PVC INDOOR	\$ 892.80	50%	\$ 446.40
1AB490110013	CA SM 24F 3.6 MPO-MPO 90M YL PVC INDOOR	\$ 854.40	50%	\$ 427.20
1AB490110014	CA SM 24F 3.6 MPO-MPO 80M YL PVC INDOOR	\$ 816.00	50%	\$ 408.00
1AB490110015	CA SM 24F 3.6 MPO-MPO 70M YL PVC INDOOR	\$ 775.20	50%	\$ 387.60
1AB490110016	CA SM 24F 3.6 MPO-MPO 60M YL PVC INDOOR	\$ 756.00	50%	\$ 378.00
1AB490110017	CA SM 24F 3.6 MPO-MPO 50M YL PVC INDOOR	\$ 741.60	50%	\$ 370.80
1AB490110018	CA SM 24F 3.6 MPO-MPO 30M YL PVC INDOOR	\$ 686.40	50%	\$ 343.20
1AB490110019	CA SM 24F 3.6 MPO-MPO 20M YL PVC INDOOR	\$ 643.08	50%	\$ 321.54
1AB490110020	CA SM 24F 3.6 MPO-MPO 15M YL PVC INDOOR	\$ 620.76	50%	\$ 310.38
1AB490110021	CA SM 24F 3.6 MPO-MPO 10M YL PVC INDOOR	\$ 598.44	50%	\$ 299.22
1AB490110022	CA SM 24F 3.6 MPO-MPO 40M YL PVC INDOOR	\$ 712.80	50%	\$ 356.40
1AB490110030	CA SM 12F 3.0 MPO-MPO 30M YL PVC OS2 BIF	\$ 1,003.18	50%	\$ 501.59
1AB490110031	CA SM 12F 3.0 MPO-MPO 20M YL PVC OS2 BIF	\$ 978.00	50%	\$ 489.00
1AB490110033	CA MM B 12F 3.0 MPO-MPO 100M AQ PVC OM4	\$ 2,719.25	50%	\$ 1,359.63
1AB490110034	CA MM B 12F 3.0 MPO-MPO 90M AQ PVC OM4	\$ 1,596.14	50%	\$ 798.07
1AB490110035	CA MM B 12F 3.0 MPO-MPO 80M AQ PVC OM4	\$ 2,309.78	50%	\$ 1,154.89
1AB490110036	CA MM B 12F 3.0 MPO-MPO 60M AQ PVC OM4	\$ 1,900.34	50%	\$ 950.17
1AB490110037	CA MM B 12F 3.0 MPO-MPO 70M AQ PVC OM4	\$ 2,105.06	50%	\$ 1,052.53
1AB490110038	CA MM B 12F 3.0 MPO-MPO 50M AQ PVC OM4	\$ 1,695.62	50%	\$ 847.81
1AB490110039	CA MM B 12F 3.0 MPO-MPO 40M AQ PVC OM4	\$ 976.06	50%	\$ 488.03
1AB490110040	CA MM B 12F 3.0 MPO-MPO 30M AQ PVC OM4	\$ 852.05	50%	\$ 426.03
1AB490110041	CA MM B 12F 3.0 MPO-MPO 2M AQ PVC OM4 IN	\$ 392.11	50%	\$ 196.06
1AB490110042	CA MM B 12F 3.0 MPO-MPO 3FT AQ PVC OM4 I	\$ 379.90	50%	\$ 189.95
1AB490110043	CA SM A 12F 3.0 2xMPO_A_F 2M YL PVC OS2	\$ 866.28	50%	\$ 433.14
1AB490110044	CA SM A 12F 3.0 2xMPO_A_F 1M YL PVC OS2	\$ 860.81	50%	\$ 430.41
1AB490110045	CA MM B 12F 3.0 MPO-MPO 1M AQ PVC OM4 IN	\$ 380.86	50%	\$ 190.43
1AB490950001	Lug 8AWG 5/16 RED ONE HOLE	\$ 3.55	50%	\$ 1.78
1AB493500001	RJ45 PLUG BUNDLED CAT.5E CABLE 10FT	\$ 50.88	50%	\$ 25.44
1AB493910001	CA MM 24F 3.6 2xMPO_U_F A 10M AQ OFNP OM	\$ 1,223.64	50%	\$ 611.82
1AB495100001	Silver Plated Wire Contacts, 1/0 AWG	\$ 11.16	50%	\$ 5.58

1AB496410001	CA 3.0 12PAIR 22AWG 6RJ45-UN 50FT	\$ 177.24	50%	\$ 88.62
1AB496420001	CA 3.0 12PAIR 22AWG 6RJ45-UN 25FT	\$ 108.67	50%	\$ 54.34
1AB496430001	CA 3.0 12PAIR 22AWG 6RJ45-UN 10FT	\$ 66.91	50%	\$ 33.46
1AB496440001	CA 3.0 12PAIR 22AWG 6RJ45-UN 5FT	\$ 52.73	50%	\$ 26.37
1AB497050001	Trimm Inc 60 Circuit breaker p/n 0300177	\$ 84.24	50%	\$ 42.12
1AB498080001	Lug 2AWG, 2-Hole 0.25IN Narrow	\$ 11.83	50%	\$ 5.92
1AB498520001	100A CONNECTOR 6-10 AWG	\$ 315.00	50%	\$ 157.50
1AB499880001	DAC 1m, 25G SFP28 to 25G SFP28 30AWG PVC	\$ 36.72	50%	\$ 18.36
1AB499890001	DAC 1m 10G SFP+ to 10G SFP+ 30AWG	\$ 20.64	50%	\$ 10.32
1AB501310001	AC power cord-Saf-d-Grid to L6-20, 3mtrs	\$ 136.08	50%	\$ 68.04
1AB502380001	Lug 2AWG Class I, 1/4IN stud x 1IN O.C.	\$ 29.16	50%	\$ 14.58
1AB502470001	Fuse 12A GMT 102287	\$ 3.19	50%	\$ 1.60
1AB503020001	Lug 2 Hole w/Window 1/0 Flex 1/4in Stud	\$ 27.89	50%	\$ 13.95
1AB505050001	Single Pole Breaker 70A	\$ 80.40	50%	\$ 40.20
1AB505430001	CA SM DX 1.6 LCU40-LCU40 10M YL LSZH G65	\$ 56.35	50%	\$ 28.18
1AB505440001	CA SM SX 1.6 LCU_SB-LCU_SB 0.155M YL LSZ	\$ 23.83	50%	\$ 11.92
1AB505450001	CA SM SX 1.6 LCU_SB-LCU_SB 0.23M YL LSZH	\$ 24.34	50%	\$ 12.17
1AB505460001	CA SM DX 1.6 LCU40-LCU40 7M YL LSZH G652	\$ 55.80	50%	\$ 27.90
1AB505470001	CA SM DX 1.6 LCU40-LCU40 3.50M YL LSZH G	\$ 45.02	50%	\$ 22.51
1AB505480001	CA SM SX 1.6 LCU40-LCU40 2.35M YL LSZH G	\$ 22.32	50%	\$ 11.16
1AB505490001	CA SM SX 1.6 LCA40-LCA40 0.61M YL LSZH G	\$ 28.39	50%	\$ 14.20
1AC000570003	PLASTICS IRTS POLYOLEFIN_BLACK 3/8 NONE	\$ 3.02	50%	\$ 1.51
1AC000570008	19mm heat shrinkable tubing black	\$ 3.55	50%	\$ 1.78
1AC000570009	PLASTICS IRTS POLYOLEFIN POLYOLEFIN-BLAC	\$ 2.11	50%	\$ 1.06
1AC001060074	CBL00849580000000 CBL 1C FLEX 10MM2 V-AM	\$ 2.66	50%	\$ 1.33
1AC014910013	CA SHIELD 13PR 26AWG SOLID CONDUCTR,LSZH	\$ 45.00	50%	\$ 22.50
1AC016760003	CABLE 4 PAIR SHIELDED	\$ 6.75	50%	\$ 3.38
1AC020900002	PWR WIRE, 1/0 STR, CLASS I BLUE, BRAIDE	\$ 6.02	50%	\$ 3.01
1AC021080001	PWR WIRE, 40011, 4 STR, KS24194 L4, CLAS	\$ 3.00	50%	\$ 1.50
1AC021650001	PWR WIRE, 40038, 350 STR, TELCOFLEX IV K	\$ 15.61	50%	\$ 7.81
1AC021830001	PWR WIRE, 40014, 2 STR, KS24194 L4, CLAS	\$ 5.14	50%	\$ 2.57
1AC025770001	HEAT SHRINK TBG RNF-100-1/4-CL-STK, CLEA	\$ 0.94	50%	\$ 0.47
1AC025860001	PWR WIRE, 39772, 4 STR, CLASS I GRAY, B	\$ 3.00	50%	\$ 1.50
1AC028080001	PWR WIRE, 40021, 1/0 STR, CLASS I RED,	\$ 6.26	50%	\$ 3.13
1AC040000001	Cat 6 4-pair UTP Cable_Grey 305Meters	\$ 2.36	50%	\$ 1.18
1AC045350001	TUBE, R-6189, Quikrete_8620-13, 5.5oz co	\$ 7.30	50%	\$ 3.65
1AC049130001	PWR WIRE,40009,4 STR,CLASS I RED,BRAIDED	\$ 3.00	50%	\$ 1.50
1AC053320001	PWR CBL 450/750V 1x10mm2 TH/LSZH GN/YW	\$ 3.99	50%	\$ 2.00
1AC054190002	Optical Cable: 24 Fiber, G.657A.2 O/I SM	\$ 8.60	50%	\$ 4.30
1AC055600001	Child FO Cbl SM-BIF 2F Int OFNR/LSZH Zip	\$ 0.24	50%	\$ 0.12
1AC055610001	Child FO Cbl SM-BIF 1F Int OFNR/LSZH 1.6	\$ 0.20	50%	\$ 0.10
1AC056420001	Child FO Cbl MM-BIF 12F BB OFNR Breakout	\$ 3.09	50%	\$ 1.55
1AC057971002	Child FO Cable SM-BIF 8F Backbone OFNR	\$ 1.54	50%	\$ 0.77
1AC057971014	Child FO Cable SM-BIF 2F Backbone OFNR B	\$ 0.44	50%	\$ 0.22
1AC057971015	Child FO Cable SM-BIF 1F Backbone OFNR/L	\$ 0.20	50%	\$ 0.10
1AC058090001	Child FO Cable MM-BIF 2F OFNP 2.0mm AQ I	\$ 0.44	50%	\$ 0.22
1AD001970043	NUT*HEX*HEX-HD-M10*8.22MM-SS(A2-70)*PASS	\$ 0.47	50%	\$ 0.24
1AD005740037	LABEL 35x31,75x0,045mm	\$ 0.11	50%	\$ 0.06
1AD008610003	1/2 SLOT SCREWDRIVER (LONG)	\$ 26.00	50%	\$ 13.00
1AD013890004	NUT/MISC-M 6,000L	\$ 105.60	50%	\$ 52.80
1AD018570007	O.F. STORAGE TRAY LEFT	Custom Bid	0%	Custom Bid
1AD031630001	HPUL RAIL 4U 19inch /21inch	\$ 83.98	50%	\$ 41.99
1AD035260002	FIBER ADAPTER PATCH PANEL	\$ 60.14	50%	\$ 30.07
1AD039480001	BUSBAR CONNECTION TERMINAL ABB ZK 154	\$ 36.30	50%	\$ 18.15
1AD057870002	4x4 Dual 2 inch Flex Tube Att-FGS-KT03-A	\$ 124.20	50%	\$ 62.10
1AD058550001	Horizontal T-part FGS-MHTA-C	\$ 104.78	50%	\$ 52.39
1AD082730009	OPTICAL SPLICING MODULE_MOB24 LC/LC_LEFT	\$ 755.52	50%	\$ 377.76
1AD086000001	Packing ECN3965 TAPE AND DISPENSER KIT C	\$ 60.48	50%	\$ 30.24
1AD087020001	Patchfeld (4HE)*120 SC Duplexkupplungen	\$ 881.26	50%	\$ 440.63
1AD087030001	Patchfeld (1HE)*120 Port SC Kupplungen	\$ 31.71	50%	\$ 15.86
1AD087190001	cabl bracket 1HE 100mm	\$ 4.83	50%	\$ 2.42
1AD087370007	Label Kit, R-6045-L14A,,_ATT MSP Job/Ord	\$ 459.07	50%	\$ 229.54
1AD088510001	FGS-HNTR-1/2 inch Support Kit	\$ 52.42	50%	\$ 26.21

1AD088630001	SNAP-ON COVER 904X6	\$ 83.76	50%	\$ 41.88
1AD093020001	Plastic part DUCT EXPRESS EXIT PLASTIC_D	\$ 196.20	50%	\$ 98.10
1AD093280001	KIT-JUMPER BAR FOR PDU1B/2B	\$ 41.00	50%	\$ 20.50
1AD093360001	Mech part 19IN TOWEL BAR STEEL_TOWEL BAR	\$ 19.44	50%	\$ 9.72
1AD093650001	BRACKETS KIT SX/DX 5U 19	\$ 152.90	50%	\$ 76.45
1AD094650001	BREAKER TOGGLE	\$ 1.00	50%	\$ 0.50
1AD101930001	CRIMPING Use According to HEX	Custom Bid	0%	Custom Bid
1AD111260001	(SUB)RACK NAKED 19INCH >-INDOOR 23/19INx	\$ 1,602.00	50%	\$ 801.00
1AD112400001	FIDT4X4BL organizador interno canaleta	Custom Bid	0%	Custom Bid
1AD120030001	Plastic part SHRINK TUBING, RED, 22AWG p	\$ 3.46	50%	\$ 1.73
1AD121220001	MECH_GROUNDING KIT_FOR EW77-EWP77_EW64-	\$ 43.49	50%	\$ 21.75
1AD123540001	ADAPTOR CABLE 2X32P_CONN TO 3X24P	\$ 140.34	50%	\$ 70.17
1AD127290001	Strut End cap - MEK grey, 1 BOX of 50 EA	\$ 108.00	50%	\$ 54.00
1AD135630001	Plate 2U 19 for-4 batteries 151x65x99	\$ 134.84	50%	\$ 67.42
1AD139370001	SINGLE NETWORK BAY FRAME-ANSI 12 INCHES	\$ 2,413.00	50%	\$ 1,206.50
1AD140520001	Unistrut 1/2-13_Spring Nut P4010	\$ 2.52	50%	\$ 1.26
1AD144210001	FO Duct, E2X2YL6, Yellow FO Protective D	\$ 57.74	50%	\$ 28.87
1AD145990001	STORAGE STRAY 48FO 1U R/L 19P/ETSI	Custom Bid	0%	Custom Bid
1AD147550001	BANDEAU ENERGIE_TRU 19P MSB_4644	\$ 309.65	50%	\$ 154.83
1AD151800001	Plastic part DUCT COUPLING ADAPTER, 4IN,	\$ 20.90	50%	\$ 10.45
1AD151930001	FIBER STORAGE TRAY (2U)	\$ 1,992.00	50%	\$ 996.00
1AD151940001	ATTENUATION DRAWER (1U)	\$ 2,700.00	50%	\$ 1,350.00
1AD155410001	48 VDC fan_w/ CMC monitoring_800x800	\$ 2,741.95	50%	\$ 1,370.98
1AD155420001	48 VDC fan_w/ CMC monitoring_WxD 600x800	\$ 1,561.39	50%	\$ 780.70
1AD155430001	48 VDC fan_w/ CMC monitoring_600x600	\$ 2,706.31	50%	\$ 1,353.16
1AD164700001	KIT, CABLE GUIDE ASSY,_CGA05775, CABLE G	\$ 74.16	50%	\$ 37.08
1AD168270001	Plastic part TUBING, 7/8X50FT, YELLOW, S	\$ 302.98	50%	\$ 151.49
1AD173520001	Kit of 50 M6 Screws and 50 Cage Nuts	\$ 138.43	50%	\$ 69.22
1AD173640001	BRL Cushion BC141X 1-5/8",10@0.24",10p	\$ 36.91	50%	\$ 18.46
1AD173900001	LABEL for 3mm DUPLEX FIBER - WHITE	\$ 0.20	50%	\$ 0.10
1AD174570001	Horizontal Rack Ground_Bar Kit	\$ 144.82	50%	\$ 72.41
1AD176260001	1 Inch Schedule 40 Steel_Pipe (Dark Gray	\$ 57.84	50%	\$ 28.92
1AD183560001	RACK PDU 2G_2040X165X46mm_Output Connect	\$ 2,107.20	50%	\$ 1,053.60
1AD205740002	2232060045 Newton ALU 7950 BLACK seismic	\$ 6,311.06	50%	\$ 3,155.53
1AD207260001	12-24x3/4 PHILLIPS HEAD MACHINE SCREW	\$ 0.43	50%	\$ 0.22
1AD207270001	12-24x3/8 PHILLIPS HEAD MACHINE SCREW	\$ 0.26	50%	\$ 0.13
1AD207280001	FGS-KTW2-R: FGS VERT DUCT KIT 2W X 4H YE	\$ 237.07	50%	\$ 118.54
1AD212160001	Mech part Ty-Rap Saddle Support Mounting	\$ 0.86	50%	\$ 0.43
1AD215810002	224541009Q Newton Cabinet XRS-20e WHITE	\$ 15,237.24	50%	\$ 7,618.62
1AD215810005	222279019Q Newton 4in WHITE Vertical Cab	\$ 305.88	50%	\$ 152.94
1AD217030001	12-24x1.00 PH SCREW	\$ 0.86	50%	\$ 0.43
1AD217630001	Toolless blanking panel bag of 10pc AR81	\$ 118.68	50%	\$ 59.34
1AD217890001	5RU bracket 6in deep Gray 12310-105	\$ 187.10	50%	\$ 93.55
1AD218070001	2 Post Rack Shelf- 13in Vented Flanges D	\$ 142.15	50%	\$ 71.08
1AF06266AAAA	TAG, 145PTAG, Burndy, Flame Ret Nylon, 9	\$ 0.74	50%	\$ 0.37
1AF06288AAAA	CURVE PLANE H 90 5.85 - 8.2 GHZ 102MM GR	\$ 975.00	50%	\$ 487.50
1AF06632AAAA	PWR SPARE/ACCESSORY_BLIND PANEL, 236408	\$ 28.99	50%	\$ 14.50
1AF06812AAAA	RECTIFIER, 100.7670.4825, DOUBLE FUSED,	\$ 1,262.40	50%	\$ 631.20
1AF07031AAAA	RACK MINIPACK EQUIPE-2 MODULES 800W	\$ 1,742.80	50%	\$ 871.40
1AF07283AAAA	Rectifier Module APR48-3G 48V 1800W	\$ 349.15	50%	\$ 174.58
1AF07284AAAA	OPTICAL SPLICING MODU_MOB24 SC/APC_RIGHT	\$ 300.00	50%	\$ 150.00
1AF07336AAAA	POWER DISTRIBUTION UNIT - NAR	\$ 3,410.00	50%	\$ 1,705.00
1AF07337AAAA	POWER DISTRIBUTION UNIT - NAR - 4-I,12-O	\$ 4,839.00	50%	\$ 2,419.50
1AF07716AAAA	Install Mat DUCT_4x4 horizontal T_Snap-o	\$ 107.69	50%	\$ 53.85
1AF07717AAAA	Install Mat DUCT_4x4 90 horizontal_elbow	\$ 79.39	50%	\$ 39.70
1AF09631AHAA	JF11-0015A,48240V4U25AR0325A,125AH,19in	\$ 14,995.44	50%	\$ 7,497.72
1AF09782AAAA	PHB SR30A-0048/09, COMPOSED OF	\$ 1,828.00	50%	\$ 914.00
1AF09888AAAA	ADVA_150CC-584 Unit_AC power cord left a	\$ 1,726.92	50%	\$ 863.46
1AF10504AAAA	BAT_12V_7.2Ah_FG20722_PB	\$ 23.51	50%	\$ 11.76
1AF10889AAAA	POWER DISTRIBUTION UNIT - NAR (12 INPUT,	\$ 12,920.32	50%	\$ 6,460.16
1AF17590AAAA	Smartpack WEB/SNMP	\$ 628.29	50%	\$ 314.15
1AF17969AAAA	THERMAL TRANSFER PRINTABLE TRANSLUCENT V	\$ 88.27	50%	\$ 44.14
1AF20293AAAA	Install Mat Z INST ACCESSORIES CUST PJ_C	\$ 199.80	50%	\$ 99.90

1AF20294AAAA	Drop Attachment 4X4 Channel Telect	\$ 117.00	50%	\$ 58.50
1AF20353AAAA	Trax (4) dual split tube adapter, 027-20	\$ 46.20	50%	\$ 23.10
1AF20354AAAA	Install Mat Z INST ACCESSORIES CUST PJ_i	\$ 141.67	50%	\$ 70.84
1AF20600AAAA	Hose 2 in Telect	\$ 404.69	50%	\$ 202.35
1AF21262AAAA	VERTICAL FIBER MANAGEMENT	\$ 1,608.74	50%	\$ 804.37
1AF21890AAAA	FLATPACK2_48-60/2000_RECT MODULE	\$ 796.80	50%	\$ 398.40
1AF23256AAAA	FRSPJC24YL Cover for Spill-Over Junction	\$ 90.62	50%	\$ 45.31
1AF23377AAAA	Horizontal Cable Manager Front 1RU 19	\$ 65.47	50%	\$ 32.74
1AF25088ABAA	Slit Corrugated Loom Tubing, CLT150F-X3,	\$ 37.80	50%	\$ 18.90
1AF25240AAAA	SD-SDI/HD-SDI/3G-SDI ELECTRICAL SFP	\$ 1,920.00	50%	\$ 960.00
1AF26722AAAA	Eltek Flatpack S 48/1000HE	\$ 283.20	50%	\$ 141.60
1AF27545AAAA	HILTI FIRESTOP WRAP STRIP CP648-E	\$ 819.98	50%	\$ 409.99
1AF28732AAAA	Flatpack S 48/1800 HE	\$ 464.02	50%	\$ 232.01
1AF28741AAAA	50KVA inverter 230VAC	\$ 97,356.00	50%	\$ 48,678.00
1AF29472AAAA	GMT Fuse Panel Optimum Value 20A 10/10 -	\$ 565.25	50%	\$ 282.63
1AF29759AAAA	KoldLok Integral Raised Floor Grommet, P	\$ 203.64	50%	\$ 101.82
1AF30508AAAA	FPX-1FR000-000 Panel, 1RU, 19in, putty w	\$ 446.16	50%	\$ 223.08
1AF30787AAAA	AC POWER SUPPLY PSI-M	\$ 2,940.00	50%	\$ 1,470.00
1AF30788AAAA	DC POWER SUPPLY PSI-M	\$ 2,613.00	50%	\$ 1,306.50
1AF31232AAAA	AC cord with C19 receptacle to L6-20P, 1	\$ 307.10	50%	\$ 153.55
1AF31252AAAA	Major Accounts - Wireline Label Kit	\$ 388.73	50%	\$ 194.37
1AF31253AAAA	Major Accounts - Wireline Ribbon Kit	\$ 90.60	50%	\$ 45.30
1AF31339AAAA	Saddle nut MQA-F 1/2in, 377886, box 50pc	\$ 450.48	50%	\$ 225.24
1AF31645AAAA	HIGH VOLTAGE DC POWER SUPPLY PSI-M	\$ 3,624.00	50%	\$ 1,812.00
1AF31854AAAA	ODF_FMT Fiber Storage Panel 1ru, 19in	\$ 601.42	50%	\$ 300.71
1AF32252AAAA	Vertical duct, 1IN GRAY, 6FT	\$ 79.20	50%	\$ 39.60
1AF32253AAAA	Vertical duct cover, 1IN, 6FT	\$ 12.53	50%	\$ 6.27
1AF32357AAAA	Raceway kit FGS-KT03-B4-5F 4x6IN 5FT YL	\$ 291.29	50%	\$ 145.65
1AF32490AAAA	RFS APM40-6-UP 6deg tilt mounting brckt	\$ 72.00	50%	\$ 36.00
1AF32744AAAA	6ft AC power cable C13 to C14 10A 18AWG	\$ 7.58	50%	\$ 3.79
1AF32769AAAA	6ft AC power cable C13 to C14 13A 16AWG	\$ 15.12	50%	\$ 7.56
1AF32856AAAA	Rectiverter 230/48 Module 2kW	\$ 878.40	50%	\$ 439.20
1AF32977AAAA	Inverter 2000 for IXR-X1/Xs	\$ 2,270.40	50%	\$ 1,135.20
1AF40919AAAA	kit de tierra- feeder / 7/8	\$ 20.68	50%	\$ 10.34
1AH03594AAAA	SW_ROYALTIES_Network Mgmt - Application	\$ 382.80	50%	\$ 191.40
1AK00086AAAA	IT HW*HW_RACK_Servers	\$ 2,302.00	50%	\$ 1,151.00
1AK03660AAAA	HP 2m Multi-mode OM3 LC/LC FC Cable	\$ 52.54	50%	\$ 26.27
1AK09874AAAA	HP 58x0AF Bck(pwr)-Frt(ports) Fan Tray	\$ 301.49	50%	\$ 150.75
1AK10867AAAA	HPE 32GB 2Rx4 PC4-2400T-R Kit	\$ 993.36	50%	\$ 496.68
1AK11052AAAA	HPE 12Gb DL380 Gen9 SAS Expander Card	\$ 1,269.69	50%	\$ 634.85
1AK14865AAAA	HPE 300GB SAS 10K SFF SC DS HDD	\$ 423.59	50%	\$ 211.80
1AK17711AAAA	ANTENNA KITS (10M) FOR GNSS SFP MODULE	\$ 5,490.00	50%	\$ 2,745.00
1AK17712AAAA	CA-ANTENNA CABLE (60M) FOR GNSS SFP MODU	\$ 2,196.00	50%	\$ 1,098.00
1AK19104AAAA	QSFP28 to SFP28 Adapter	\$ 124.80	50%	\$ 62.40
1AK22172AAAA	Nokia-Complete ION KIT	\$ 256.80	50%	\$ 128.40
21103140AAEA	PLUG-IN CABLE, CA 24RU02	Custom Bid	0%	Custom Bid
21103140AAFA	PLUG-IN CABLE, CA 24RU02	Custom Bid	0%	Custom Bid
21103140AAGA	PLUG-IN CABLE, CA 24RU02	Custom Bid	0%	Custom Bid
21119963AABA	PLUG ASSEMBLY PLA-JMP05	\$ 2.06	50%	\$ 1.03
21119963AACA	U-PLUG JMP05	\$ 3.20	50%	\$ 1.60
3AG33109AC	BLANK PLATE,1830 PSS-36/64,FULL SLOT	\$ 119.00	50%	\$ 59.50
3AG33109ACAA	BLANK PLATE, FULL SLOT	\$ 119.00	50%	\$ 59.50
3AG33173AAAA	BLANK PLATE	\$ 172.80	50%	\$ 86.40
3AG33233AA	HIGH POWER CONN, FUSE & ALARM PANEL	\$ 4,422.60	50%	\$ 2,211.30
3AG33233AAXX	HIGH POWER CONN, FUSE AND ALARM PANEL	\$ 4,423.00	50%	\$ 2,211.50
3AG33545ACAA	ESWL-RTU LIC 1830PSS APPLICATION OCS	\$ 59.26	50%	\$ 29.63
3AG33545ADAA	ESWL-RTU LIC 1830PSS APPLICATION GMPLS	\$ 29.63	50%	\$ 14.82
3AG33545AFAA	ESWL 1830PSS APPLICATION OTN GMPLS N-E	\$ 51.00	50%	\$ 25.50
3AG33589AA	DUST FILTER	\$ 238.00	50%	\$ 119.00
3AG33589AAAA	DUST FILTER	\$ 238.00	50%	\$ 119.00
3AG33657AA	RACK ALARM UNIT	\$ 1,688.00	50%	\$ 844.00
3AG33657AAAA	RACK ALARM UNIT	\$ 1,688.00	50%	\$ 844.00
3AG33682AAXX	SENSOR KIT PRESSURE	\$ 691.20	50%	\$ 345.60

3AG33752AA	PLUG KIT, XFP DUMMY	\$ 130.95	50%	\$ 65.48
3AG33752AAAA	PLUG KIT, XFP DUMMY	\$ 130.95	50%	\$ 65.48
3AG33780AB	KIT PSS / TSS CABLE KIT	\$ 1,721.00	50%	\$ 860.50
3AG33780ABXX	KIT PSS / TSS CABLE KIT	\$ 1,721.25	50%	\$ 860.63
3AG34048AA	24ANMB 24 X MULTIRATE UNIVERSAL /SFP (B)	\$ 76,937.00	50%	\$ 38,468.50
3AG34097AA	10SD10G 10 X STM-64/OC-192 INTERFACE BOA	\$ 71,955.00	50%	\$ 35,977.50
3AG34097AAXX	10SD10G 10 X STM-64/OC-192 INTERFACE BOA	\$ 71,955.00	50%	\$ 35,977.50
3AG34098AA	24SDM 24 X MR SDH/SONET INTERFACE BOARD	\$ 36,720.00	50%	\$ 18,360.00
3AG34098AAXX	24SDM 24 X MR SDH/SONET INTERFACE BOARD	\$ 36,720.00	50%	\$ 18,360.00
3AG34221AA	11OCUP - 11G 8PORT TUNABLE UPLINK	\$ 81,920.00	50%	\$ 40,960.00
3AG34224AA	1AN100G - 1X100G ANY	\$ 43,200.00	50%	\$ 21,600.00
3AG34227AA	2AN40G - 2X40G ANY CLIENT CARD	\$ 93,150.00	50%	\$ 46,575.00
3AG34235AA	KIT-EXTERNAL SYSTEM TIMING WITH SOLDER T	\$ 173.00	50%	\$ 86.50
3AG34408AA	10AN10GC - 10X10G ANY VER C	\$ 87,207.00	50%	\$ 43,603.50
3AG34739AAAA	SWP 1830PSS-OCS R13.0.4	\$ 115.00	50%	\$ 57.50
3AL35074AA	CIRCUIT BREAKER MODULE (2CB/80A OR 1CB/1	\$ 586.00	50%	\$ 293.00
3AL35084AA	ONETRU FRAME	\$ 787.00	50%	\$ 393.50
3AL35096AC	INPUT LINE LUG KIT AWG4 (PER LINE)	\$ 72.00	50%	\$ 36.00
3AL35096AD	INPUT LINE LUG KIT AWG6 (PER LINE)	\$ 69.00	50%	\$ 34.50
3AL35096AE	INPUT LINE LUG KIT AWG8 (PER LINE)	\$ 70.00	50%	\$ 35.00
3AL35096AF	INPUT LINE LUG KIT AWG10 TO 14(PER LINE)	\$ 64.00	50%	\$ 32.00
3AL35098BA	CIRCUIT BREAKER W/ AUX CONTACT (100A)	\$ 229.50	50%	\$ 114.75
3AL35098BC	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (4	\$ 283.50	50%	\$ 141.75
3AL35098BE	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (1	\$ 283.50	50%	\$ 141.75
3AL35098BF	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (1	\$ 283.50	50%	\$ 141.75
3AL35098BG	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (2	\$ 283.50	50%	\$ 141.75
3AL35098BH	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (2	\$ 283.50	50%	\$ 141.75
3AL35098BJ	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (1	\$ 283.50	50%	\$ 141.75
3AL35098BK	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (3	\$ 283.50	50%	\$ 141.75
3AL35098BL	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (4	\$ 283.50	50%	\$ 141.75
3AL35098BN	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (7	\$ 283.50	50%	\$ 141.75
3AL35098BQ	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (3	\$ 283.50	50%	\$ 141.75
3AL35098BR	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (6	\$ 284.00	50%	\$ 142.00
3AL35098BT	ONETRU CIRCUIT BREAKER W/ AUX CONTACT (8	\$ 283.50	50%	\$ 141.75
3AL35113AA	INTERCONNECTION KIT	\$ 184.95	50%	\$ 92.48
3AL35159AA	ONERACK WITH DOME DOOR	\$ 8,033.00	50%	\$ 4,016.50
3AL35159AB	ONERACK - WITH BULGED DOOR AND RALED	\$ 9,000.00	50%	\$ 4,500.00
3AL35160AB	ONE RACK DOOR KIT WITH LEFT HANDLE	\$ 8,500.00	50%	\$ 4,250.00
3AL75117AAAA	ESWL-PHOTONICS VERS (A) WDM LP	\$ 270.00	50%	\$ 135.00
3AL75117ACAA	ESWL WDM ETHERNET BLADE LIC. PT FEE N-E	\$ 192.00	50%	\$ 96.00
3AL75118AAAA	ESWL-PHOTONICS VERS (A) TDM LP	\$ 270.00	50%	\$ 135.00
3AL75118ACAA	ESWL TDM ETHERNET BLADE LIC. PT FEE N-E	\$ 256.00	50%	\$ 128.00
3AL81776AA	XFP DWDM TUNABLE CT	\$ 8,460.00	50%	\$ 4,230.00
3AL81820AA	CFP2 100G BASE-LR4 (4X25G) DUAL RATE 100	\$ 45,473.28	50%	\$ 22,736.64
3AL81845AA	HD-SDI/3G-SDI ELECTRICAL SFP	\$ 1,685.00	50%	\$ 842.50
3AL81920AA	1000BASE-BX10 2CH BIDI CSFP (UPSTREAM,13	\$ 373.00	50%	\$ 186.50
3AL81921AA	1000BASE-BX10 2CH BIDI CSFP (DOWNSTREAM,	\$ 412.00	50%	\$ 206.00
3AL82017AA	SFP+ DWDM TUNABLE NCHIRP WITH WT	\$ 7,960.00	50%	\$ 3,980.00
3AL82017AB	SFP+ DWDM TUNABLE NCHIRP W/O WT	\$ 5,406.00	50%	\$ 2,703.00
3AL82018AA	SFP+ STM-64/OC192 CWDM SHORT HAUL (1471N	\$ 4,800.60	50%	\$ 2,400.30
3AL82018AB	SFP+ STM-64/OC192 CWDM SHORT HAUL (1491N	\$ 4,800.60	50%	\$ 2,400.30
3AL82018AC	SFP+ STM-64/OC192 CWDM SHORT HAUL (1511N	\$ 4,800.60	50%	\$ 2,400.30
3AL82018AD	SFP+ STM-64/OC192 CWDM SHORT HAUL (1531N	\$ 4,800.60	50%	\$ 2,400.30
3AL82018AE	SFP+ STM-64/OC192 CWDM SHORT HAUL (1551N	\$ 4,800.60	50%	\$ 2,400.30
3AL82018AF	SFP+ STM-64/OC192 CWDM SHORT HAUL (1571N	\$ 4,800.60	50%	\$ 2,400.30
3AL82018AG	SFP+ STM-64/OC192 CWDM SHORT HAUL (1591N	\$ 4,800.60	50%	\$ 2,400.30
3AL82018AH	SFP+ STM-64/OC192 CWDM SHORT HAUL (1611N	\$ 4,800.60	50%	\$ 2,400.30
3AL82019AA	SFP+ P1L1-2D2/LR-2/10GBASE-ZR(W) -5/+85	\$ 3,013.00	50%	\$ 1,506.50
3AL82020AA	CFP4 100GBASE-LR4 (4X25G) SINGLE RATE 10	\$ 29,019.00	50%	\$ 14,509.50
3AL82021AA	CFP2 100GBASE-SR10(10X10G) DR 100GE/OTU4	\$ 7,760.80	50%	\$ 3,880.40
3AL82023AA	CFP4 100GBASE-LR4/OTU-4 (4X25G) DUAL RAT	\$ 34,000.00	50%	\$ 17,000.00
3AL82038AA	SFP+ DWDM TUNABLE NCHIRP W/O WT	\$ 6,496.00	50%	\$ 3,248.00
3AL82039AA	1627NM OSC SFP FOR I-TEMP (DUPLEX, SHORT	\$ 1,756.00	50%	\$ 878.00

3AL82040AB	SFP OSC FE/STM-1 EULH 1516NM 120KM -5/85	\$ 1,215.00	50%	\$ 607.50
3AL82041AA	CSOP SMART SFP, STM-1/OC-3 OVER GBE, E1-	\$ 4,928.00	50%	\$ 2,464.00
3AL82042AA	TPOP SMART SFP, E1 (120 OHM BALANCED, RJ	\$ 2,212.00	50%	\$ 1,106.00
3AL82043AA	SFP FE/STM-1 ULH BIDI OSC UPSTREAM -40/8	\$ 2,064.00	50%	\$ 1,032.00
3AL82044AA	SFP FE/STM-1 ULH BIDI OSC DOWNSTREAM -40	\$ 2,064.00	50%	\$ 1,032.00
3AL82045AA	XFP I-64.1/10GBE BASE-L -40/+85	\$ 1,350.00	50%	\$ 675.00
3AL82046AA	CFP4 100GBASE-SR4 SINGLE RATE 100GE	\$ 7,346.00	50%	\$ 3,673.00
3AL82047AA	SFP+ CPRI6 CWDM LH (1471NM)	\$ 6,160.00	50%	\$ 3,080.00
3AL82047AB	SFP+ CPRI6 CWDM LH (1491NM)	\$ 6,160.00	50%	\$ 3,080.00
3AL82047AC	SFP+ CPRI6 CWDM LH (1511NM)	\$ 6,160.00	50%	\$ 3,080.00
3AL82047AD	SFP+ CPRI6 CWDM LH (1531NM)	\$ 6,160.00	50%	\$ 3,080.00
3AL82047AE	SFP+ CPRI6 CWDM LH (1551NM)	\$ 6,160.00	50%	\$ 3,080.00
3AL82047AF	SFP+ CPRI6 CWDM LH (1571NM)	\$ 6,160.00	50%	\$ 3,080.00
3AL82047AG	SFP+ CPRI6 CWDM LH (1591NM)	\$ 6,160.00	50%	\$ 3,080.00
3AL82047AH	SFP+ CPRI6 CWDM LH (1611NM)	\$ 6,160.00	50%	\$ 3,080.00
3AL82048AA	SFP+ STM-64/OC192 CWDM LH 1471NM -40/85	\$ 3,924.00	50%	\$ 1,962.00
3AL82048AB	SFP+ STM-64/OC192 CWDM LH 1491NM -40/85	\$ 3,924.00	50%	\$ 1,962.00
3AL82048AC	SFP+ STM-64/OC192 CWDM LH 1511NM -40/85	\$ 3,924.00	50%	\$ 1,962.00
3AL82048AD	SFP+ STM-64/OC192 CWDM LH 1531NM -40/85	\$ 3,924.00	50%	\$ 1,962.00
3AL82048AE	SFP+ STM-64/OC192 CWDM LH 1551NM -40/85	\$ 3,924.00	50%	\$ 1,962.00
3AL82048AF	SFP+ STM-64/OC192 CWDM LH 1571NM -40/85	\$ 3,924.00	50%	\$ 1,962.00
3AL82048AG	SFP+ STM-64/OC192 CWDM LH 1591NM -40/85	\$ 3,924.00	50%	\$ 1,962.00
3AL82048AH	SFP+ STM-64/OC192 CWDM LH 1611NM -40/85	\$ 3,924.00	50%	\$ 1,962.00
3AL82055AA	XFP I-64.1/10GBE BASE-L	\$ 628.00	50%	\$ 314.00
3AL82057AA	SFP+ 10G 10KM UPSTREAM -40/85	\$ 518.70	50%	\$ 259.35
3AL82058AA	SFP+ 10G 10KM DOWNSTREAM -40/85	\$ 518.70	50%	\$ 259.35
3AL82059AA	SFP+ 10G 40KM UPSTREAM -40/85	\$ 782.04	50%	\$ 391.02
3AL82060AA	SFP+ 10G 40KM DOWNSTREAM -40/85	\$ 782.04	50%	\$ 391.02
3AL82062AA	XFP 10G 10KM UPSTREAM -40/85	\$ 957.60	50%	\$ 478.80
3AL82063AA	XFP 10G 10KM DOWNSTREAM -40/85	\$ 957.60	50%	\$ 478.80
3AL82064AA	XFP 10G 40KM UPSTREAM -40/85	\$ 1,995.00	50%	\$ 997.50
3AL82065AA	XFP 10G 40KM DOWNSTREAM -40/85	\$ 1,995.00	50%	\$ 997.50
3AL82066AA	SFP+ CWDM GBE/CPRI 2-8/10GBE (1271 NM) -	\$ 2,155.00	50%	\$ 1,077.50
3AL82066AB	SFP+ CWDM GBE/CPRI 2-8/10GBE (1291 NM) -	\$ 2,155.00	50%	\$ 1,077.50
3AL82066AC	SFP+ CWDM GBE/CPRI 2-8/10GBE (1311 NM) -	\$ 2,155.00	50%	\$ 1,077.50
3AL82066AD	SFP+ CWDM GBE/CPRI 2-8/10GBE (1331 NM) -	\$ 2,155.00	50%	\$ 1,077.50
3AL82066AE	SFP+ CWDM GBE/CPRI 2-8/10GBE (1351 NM) -	\$ 2,394.00	50%	\$ 1,197.00
3AL82066AF	SFP+ CWDM GBE/CPRI 2-8/10GBE (1371 NM) -	\$ 2,394.00	50%	\$ 1,197.00
3AL82066AG	SFP+ CWDM GBE/CPRI 2-8/10GBE (1391 NM) -	\$ 2,394.00	50%	\$ 1,197.00
3AL82066AH	SFP+ CWDM GBE/CPRI 2-8/10GBE (1411 NM) -	\$ 2,394.00	50%	\$ 1,197.00
3AL82066AJ	SFP+ CWDM GBE/CPRI 2-8/10GBE (1431 NM) -	\$ 2,394.00	50%	\$ 1,197.00
3AL82066AK	SFP+ CWDM GBE/CPRI 2-8/10GBE (1451 NM) -	\$ 2,394.00	50%	\$ 1,197.00
3AL82066AL	SFP+ CWDM GBE/CPRI 2-8/10GBE (1471 NM) -	\$ 4,627.00	50%	\$ 2,313.50
3AL82066AM	SFP+ CWDM GBE/CPRI 2-8/10GBE (1491 NM) -	\$ 4,627.00	50%	\$ 2,313.50
3AL82066AN	SFP+ CWDM GBE/CPRI 2-8/10GBE (1511 NM) -	\$ 4,627.00	50%	\$ 2,313.50
3AL82066AP	SFP+ CWDM GBE/CPRI 2-8/10GBE (1531 NM) -	\$ 4,627.00	50%	\$ 2,313.50
3AL82066AQ	SFP+ CWDM GBE/CPRI 2-8/10GBE (1551 NM) -	\$ 4,627.00	50%	\$ 2,313.50
3AL82066AR	SFP+ CWDM GBE/CPRI 2-8/10GBE (1571 NM) -	\$ 4,627.00	50%	\$ 2,313.50
3AL82066AS	SFP+ CWDM GBE/CPRI 2-8/10GBE 1591 NM -40	\$ 4,627.00	50%	\$ 2,313.50
3AL82066AT	SFP+ CWDM GBE/CPRI 2-8/10GBE 1611 NM -40	\$ 4,627.00	50%	\$ 2,313.50
3AL82067AA	1DC100M CFP DIGITAL COHERENT 100G METRO	\$ 184,000.00	50%	\$ 92,000.00
3AL82068AA	FAST EVOA SFP	\$ 3,328.00	50%	\$ 1,664.00
3AL82072AA	QSFP28 100G BASE-LR4 DUAL RATE 100GE/OTU	\$ 22,000.00	50%	\$ 11,000.00
3AL82073AA	SFP+ DWDM 40KM (CH60) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AB	SFP+ DWDM 40KM (CH59) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AC	SFP+ DWDM 40KM (CH58) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AD	SFP+ DWDM 40KM (CH57) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AE	SFP+ DWDM 40KM (CH56) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AF	SFP+ DWDM 40KM (CH55) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AG	SFP+ DWDM 40KM (CH54) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AH	SFP+ DWDM 40KM (CH53) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AJ	SFP+ DWDM 40KM (CH52) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AK	SFP+ DWDM 40KM (CH51) -40/85	\$ 2,229.00	50%	\$ 1,114.50



3AL82073AL	SFP+ DWDM 40KM (CH50) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AM	SFP+ DWDM 40KM (CH49) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AN	SFP+ DWDM 40KM (CH48) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AP	SFP+ DWDM 40KM (CH47) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AQ	SFP+ DWDM 40KM (CH46) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AR	SFP+ DWDM 40KM (CH45) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AS	SFP+ DWDM 40KM (CH44) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AT	SFP+ DWDM 40KM (CH43) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AU	SFP+ DWDM 40KM (CH42) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AV	SFP+ DWDM 40KM (CH41) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AW	SFP+ DWDM 40KM (CH40) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AX	SFP+ DWDM 40KM (CH39) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AY	SFP+ DWDM 40KM (CH38) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073AZ	SFP+ DWDM 40KM (CH37) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BA	SFP+ DWDM 40KM (CH36) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BB	SFP+ DWDM 40KM (CH35) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BC	SFP+ DWDM 40KM (CH34) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BD	SFP+ DWDM 40KM (CH33) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BE	SFP+ DWDM 40KM (CH32) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BF	SFP+ DWDM 40KM (CH31) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BG	SFP+ DWDM 40KM (CH30) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BH	SFP+ DWDM 40KM (CH29) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BJ	SFP+ DWDM 40KM (CH28) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BK	SFP+ DWDM 40KM (CH27) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BL	SFP+ DWDM 40KM (CH26) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BM	SFP+ DWDM 40KM (CH25) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BN	SFP+ DWDM 40KM (CH24) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BP	SFP+ DWDM 40KM (CH23) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BQ	SFP+ DWDM 40KM (CH22) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BR	SFP+ DWDM 40KM (CH21) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BS	SFP+ DWDM 40KM (CH20) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BT	SFP+ DWDM 40KM (CH19) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BU	SFP+ DWDM 40KM (CH18) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82073BV	SFP+ DWDM 40KM (CH17) -40/85	\$ 2,229.00	50%	\$ 1,114.50
3AL82074AA	QSFP28 100G BASE-LR4 SINGLE RATE 100GE	\$ 20,000.00	50%	\$ 10,000.00
3AL82075AA	QSFP28 CWDM4 SINGLE RATE 100GE	\$ 14,000.00	50%	\$ 7,000.00
3AL82076AA	SFP GBE CWDM SH 1471NM (-40/85)	\$ 1,069.00	50%	\$ 534.50
3AL82076AB	SFP GBE CWDM SH 1491NM (-40/85)	\$ 1,069.00	50%	\$ 534.50
3AL82076AC	SFP GBE CWDM SH 1511NM (-40/85)	\$ 1,069.00	50%	\$ 534.50
3AL82076AD	SFP GBE CWDM SH 1531NM (-40/85)	\$ 1,069.00	50%	\$ 534.50
3AL82076AE	SFP GBE CWDM SH 1551NM (-40/85)	\$ 1,069.00	50%	\$ 534.50
3AL82076AF	SFP GBE CWDM SH 1571NM (-40/85)	\$ 1,069.00	50%	\$ 534.50
3AL82076AG	SFP GBE CWDM SH 1591NM (-40/85)	\$ 1,069.00	50%	\$ 534.50
3AL82076AH	SFP GBE CWDM SH 1611NM (-40/85)	\$ 1,069.00	50%	\$ 534.50
3AL82078AA	SFP 100BASE-LX WITH BUILT-IN PHY IT	\$ 514.00	50%	\$ 257.00
3AL82081AA	SFP EULH-II OSC 1511NM	\$ 898.00	50%	\$ 449.00
3AL82090AA	TPOP SMART SFP, T1 (100 OHM BALANCED, RJ	\$ 2,239.00	50%	\$ 1,119.50
3AL82098AA	TSOP SMART SFP STM-16/OC-48 (I-16.1)	\$ 9,548.00	50%	\$ 4,774.00
3AL82099AA	QSFP28 100G BASE-SR4 SINGLE RATE 100GE	\$ 7,500.00	50%	\$ 3,750.00
3AL82107AA	SFP+ CPRI2-6 (15KM) -40/85	\$ 208.00	50%	\$ 104.00
3AL82108AA	SFP OSC GBE/STM-1 BIDI-U 1627NM 40KM IT	\$ 1,875.00	50%	\$ 937.50
3AL82109AA	SFP OSC GBE/STM-1 BIDI-D 1627NM 40KM IT	\$ 1,875.00	50%	\$ 937.50
3AL82110AA	SFP+ DWDM 40KM APD CH60 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AB	SFP+ DWDM 40KM APD CH59 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AC	SFP+ DWDM 40KM APD CH58 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AD	SFP+ DWDM 40KM APD CH57 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AE	SFP+ DWDM 40KM APD CH56 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AF	SFP+ DWDM 40KM APD CH55 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AG	SFP+ DWDM 40KM APD CH54 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AH	SFP+ DWDM 40KM APD CH53 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AJ	SFP+ DWDM 40KM APD CH52 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AK	SFP+ DWDM 40KM APD CH51 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AL	SFP+ DWDM 40KM APD CH50 -40/85	\$ 3,258.00	50%	\$ 1,629.00

3AL82110AM	SFP+ DWDM 40KM APD CH49 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AN	SFP+ DWDM 40KM APD CH48 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AP	SFP+ DWDM 40KM APD CH47 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AQ	SFP+ DWDM 40KM APD CH46 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AR	SFP+ DWDM 40KM APD CH45 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AS	SFP+ DWDM 40KM APD CH44 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AT	SFP+ DWDM 40KM APD CH43 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AU	SFP+ DWDM 40KM APD CH42 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AV	SFP+ DWDM 40KM APD CH41 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AW	SFP+ DWDM 40KM APD CH40 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AX	SFP+ DWDM 40KM APD CH39 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AY	SFP+ DWDM 40KM APD CH38 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110AZ	SFP+ DWDM 40KM APD CH37 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BA	SFP+ DWDM 40KM APD CH36 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BB	SFP+ DWDM 40KM APD CH35 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BC	SFP+ DWDM 40KM APD CH34 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BD	SFP+ DWDM 40KM APD CH33 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BE	SFP+ DWDM 40KM APD CH32 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BF	SFP+ DWDM 40KM APD CH31 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BG	SFP+ DWDM 40KM APD CH30 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BH	SFP+ DWDM 40KM APD CH29 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BJ	SFP+ DWDM 40KM APD CH28 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BK	SFP+ DWDM 40KM APD CH27 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BL	SFP+ DWDM 40KM APD CH26 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BM	SFP+ DWDM 40KM APD CH25 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BN	SFP+ DWDM 40KM APD CH24 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BP	SFP+ DWDM 40KM APD CH23 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BQ	SFP+ DWDM 40KM APD CH22 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BR	SFP+ DWDM 40KM APD CH21 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BS	SFP+ DWDM 40KM APD CH20 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BT	SFP+ DWDM 40KM APD CH19 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BU	SFP+ DWDM 40KM APD CH18 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82110BV	SFP+ DWDM 40KM APD CH17 -40/85	\$ 3,258.00	50%	\$ 1,629.00
3AL82111AA	SFP OSC GBE 1627NM 80KM W/ OTDR -40/85	\$ 2,285.00	50%	\$ 1,142.50
3AL82117AA	SFP+ CPRI6-7 MMF 300M -40/85	\$ 122.00	50%	\$ 61.00
3AL82130AA	SFP+ CPRI3-8/10GBE SMDF 15KM -40/85	\$ 276.00	50%	\$ 138.00
3AL82135AA	SFP BIDI OSC-U STM-1/GE SH 1506NM -40/85	\$ 1,962.00	50%	\$ 981.00
3AL82136AA	SFP BIDI OSC-D STM-1/GE SH 1514NM -40/85	\$ 1,962.00	50%	\$ 981.00
3AL82141AA	SFP OSC FE/STM-1 ULH 1627NM 120KM -5/70	\$ 3,924.00	50%	\$ 1,962.00
3AL82146AA	SFP+ SD-SDI/HD-SDI/3G-SDI 30KM ET	\$ 1,046.00	50%	\$ 523.00
3AL82149AA	SFP+ 1GE/CPRI 2-8/10GE T-DWDM W/O WT IT	\$ 4,534.00	50%	\$ 2,267.00
3AL82150AA	C2ACO CFP2-ACO	\$ 145,280.00	50%	\$ 72,640.00
3AL82152AA	QSFP28 ER4-LITE DR 100GE/OTU4 -5/75	\$ 40,548.00	50%	\$ 20,274.00
3AL82154AB	SFP OSC FE/STM-1 EULH 1516NM 150KM -5/85	\$ 2,414.00	50%	\$ 1,207.00
3AL82155AA	CFP4-ACO 100G / 200G COHERENT PLUGGABLE	\$ 90,000.00	50%	\$ 45,000.00
3AL82155AB	CFP4-ACO 100G/200G COH PLUGGABLE (LP)	\$ 96,000.00	50%	\$ 48,000.00
3AL82156AA	QSFP28 4WDM-10 SINGLE RATE 100GE -5/75	\$ 3,924.00	50%	\$ 1,962.00
3AL82161AA	SFP28 25GE_10GE_CPRI7/8/10 SR -40/85	\$ 907.00	50%	\$ 453.50
3AL82162AA	SFP28 25GE_10GE_CPRI7/8/10 LR -40/85	\$ 1,657.00	50%	\$ 828.50
3AL82163AA	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH61	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AB	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH60	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AC	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH59	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AD	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH58	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AE	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH57	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AF	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH56	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AG	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH55	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AH	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH54	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AJ	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH53	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AK	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH52	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AL	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH51	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AM	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH50	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AN	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH49	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AP	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH48	\$ 7,412.00	50%	\$ 3,706.00

3AL82163AQ	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH47	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AR	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH46	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AS	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH45	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AT	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH44	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AU	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH43	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AV	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH42	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AW	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH41	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AX	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH40	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AY	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH39	\$ 7,412.00	50%	\$ 3,706.00
3AL82163AZ	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH38	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BA	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH37	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BB	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH36	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BC	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH35	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BD	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH34	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BE	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH33	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BF	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH32	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BG	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH31	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BH	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH30	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BJ	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH29	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BK	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH28	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BL	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH27	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BM	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH26	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BN	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH25	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BP	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH24	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BQ	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH23	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BR	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH22	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BS	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH21	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BT	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH20	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BU	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH19	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BV	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH18	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BW	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH17	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BX	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH16	\$ 7,412.00	50%	\$ 3,706.00
3AL82163BY	SFP28 25GE_10GE_CPRI7/8/10 13KM DW CH15	\$ 7,412.00	50%	\$ 3,706.00
3AL82164AA	QSFP28 E4WDM-10 4X25GE_CPRI7/8/10_10GE I	\$ 8,284.00	50%	\$ 4,142.00
3AL82167AA	SFP OSC GBE EULH 1516NM 150KM -5/85	\$ 2,311.00	50%	\$ 1,155.50
3AL82172AA	XFP DWDM TUNABLE Z-CHIRP -5/+70	\$ 4,055.00	50%	\$ 2,027.50
3AL82173AA	SFP 2MBPS 2KM CT MMF	\$ 157.00	50%	\$ 78.50
3AL82174AA	XFP DWDM TUNABLE Z-CHIRP -5/+70	\$ 4,055.00	50%	\$ 2,027.50
3AL82178AA	QSFP28 100GE 4WDM-20 BIDI-U -20/+85	\$ 7,181.00	50%	\$ 3,590.50
3AL82179AA	QSFP28 100GE 4WDM-20 BIDI-D -20/+85	\$ 7,181.00	50%	\$ 3,590.50
3AL82182AA	C2ACOA CFP2-ACO METRO	\$ 138,016.00	50%	\$ 69,008.00
3AL82183AA	SFP+ 10GBASE-ZR/P1L1-2D2 80KM ET W/ OID	\$ 3,444.00	50%	\$ 1,722.00
3AL82184AA	SFP+ 10GBASE-ER/P1S1-2D2B 40KM ET W/ OID	\$ 2,311.00	50%	\$ 1,155.50
3AL82185AA	SFP L-16.2/LR-2 80KM IT W/ OID	\$ 1,657.00	50%	\$ 828.50
3AL82186AA	SFP L-16.1/LR-1 40KM IT W/ OID	\$ 1,038.00	50%	\$ 519.00
3AL82189AA	SFP 2MBPS 20KM CT SMF	\$ 166.00	50%	\$ 83.00
3AL82214AA	SFP FE 100BASE-T EL -10/+85	\$ 145.00	50%	\$ 72.50
3AL82217AA	QSFP28 100GBASE-SR4 DR 100GE/OTU4 -5/75	\$ 1,062.00	50%	\$ 531.00
3AL82220AA	SFP BIDI OTC-U STM-1/GE ULH 1506NM IT	\$ 2,398.00	50%	\$ 1,199.00
3AL82221AA	SFP BIDI OTC-D STM-1/GE ULH 1514NM IT	\$ 2,398.00	50%	\$ 1,199.00
3AL82230AA	SFP EL 100/1000BASE-T 0/+70	\$ 157.00	50%	\$ 78.50
3AL82233AA	SFP BIDI OTC-U STM-1/FE ULH 1514.4NM IT	\$ 2,834.00	50%	\$ 1,417.00
3AL82234AA	SFP BIDI OTC-D STM-1/FE ULH 1517.6NM IT	\$ 2,834.00	50%	\$ 1,417.00
3AL89857AAAA	SFP DUMMY PLUG KIT	\$ 17.14	50%	\$ 8.57
3AL91622ABXX	MA NG TRU BYPASS EXT	Custom Bid	0%	Custom Bid
3AL91721AAAA	XFP-E ADAPTER	\$ 300.00	50%	\$ 150.00
3AN44747AA	MA TO HOST 2 SPOOLS	\$ 139.00	50%	\$ 69.50
3AN44747AAXX	21 INCHES D.C.U.ASSEMBLED SUPPORT	\$ 139.00	50%	\$ 69.50
3AN51356ABAA	TRU DUMMY COVER	Custom Bid	0%	Custom Bid
3DB00734AAXX	OPT. TOP RACK UNIT	\$ 1,242.00	50%	\$ 621.00
3HE07939AA	7705 SAR-O 2-FIBER CWDM 4 COLOR1471-1531	\$ 3,671.00	50%	\$ 1,835.50
3HE07939BA	7705 SAR-O 2-FIBER CWDM 4 COLOR1551-1611	\$ 3,927.00	50%	\$ 1,963.50
3KC12828AC	ED 4 EQUIPMENT CONTROLLER (-40 / 65C)	\$ 3,220.00	50%	\$ 1,610.00

3KC12831AB	ED4 POWER FILTER(DC) WITH WT EM-HARDENED	\$ 2,041.00	50%	\$ 1,020.50
3KC12831ABXX	ED4 POWER FILTER(DC) WITH WT EM-HARDENED	\$ 2,041.00	50%	\$ 1,020.50
3KC12831CA	ED4 POWER FILTER(DC) W/WT EM-HARDENED V2	\$ 1,935.00	50%	\$ 967.50
3KC12834AC	ED 4 POWER FILTER (AC) WITH WT-HARDENED	\$ 4,770.00	50%	\$ 2,385.00
3KC12841AA	ED 4 FAN UNIT HARDENED	\$ 1,418.00	50%	\$ 709.00
3KC12841AAXX	ED 4 FAN UNIT HARDENED	\$ 1,418.00	50%	\$ 709.00
3KC12852AA	ED 4 STATIC FILTER HARDENED CWDM 4 CH (A	\$ 2,822.00	50%	\$ 1,411.00
3KC12852AAXX	ED 4 STATIC FILTER HARDENED CWDM 4 CH (A	\$ 2,822.00	50%	\$ 1,411.00
3KC12852AB	ED 4 STATIC FILTER HARDENED CWDM 4 CH (B	\$ 2,822.00	50%	\$ 1,411.00
3KC12852ABXX	ED 4 STATIC FILTER HARDENED CWDM 4 CH (B	\$ 2,822.00	50%	\$ 1,411.00
3KC12853AA	ED 4 STATIC FILTER HARDENED CWDM 8 CH	\$ 4,920.00	50%	\$ 2,460.00
3KC12853AAXX	ED 4 STATIC FILTER HARDENED CWDM 8 CH	\$ 4,920.00	50%	\$ 2,460.00
3KC12854AA	ED 4 STATIC FILTER HARDENED DWDM 8 CH (A	\$ 7,383.00	50%	\$ 3,691.50
3KC12854AAXX	ED 4 STATIC FILTER HARDENED DWDM 8 CH (A	\$ 7,383.00	50%	\$ 3,691.50
3KC12854AB	ED 4 STATIC FILTER HARDENED DWDM 8 CH (B	\$ 7,383.00	50%	\$ 3,691.50
3KC12854ABXX	ED 4 STATIC FILTER HARDENED DWDM 8 CH (B	\$ 7,383.00	50%	\$ 3,691.50
3KC12854AC	ED 4 STATIC FILTER HARDENED DWDM 8 CH (C	\$ 7,383.00	50%	\$ 3,691.50
3KC12854ACXX	ED 4 STATIC FILTER HARDENED DWDM 8 CH (C	\$ 7,383.00	50%	\$ 3,691.50
3KC12854AD	ED 4 STATIC FILTER HARDENED DWDM 8 CH (D	\$ 7,383.00	50%	\$ 3,691.50
3KC12854ADXX	ED 4 STATIC FILTER HARDENED DWDM 8 CH (D	\$ 7,383.00	50%	\$ 3,691.50
3KC12857AA	ED 4 STATIC FILTER HARDENED DWDM 4 CH (A	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AAXX	ED 4 STATIC FILTER HARDENED DWDM 4 CH (A	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AB	ED 4 STATIC FILTER HARDENED DWDM 4 CH (B	\$ 4,727.00	50%	\$ 2,363.50
3KC12857ABXX	ED 4 STATIC FILTER HARDENED DWDM 4 CH (B	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AC	ED 4 STATIC FILTER HARDENED DWDM 4 CH (C	\$ 4,727.00	50%	\$ 2,363.50
3KC12857ACXX	ED 4 STATIC FILTER HARDENED DWDM 4 CH (C	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AD	ED 4 STATIC FILTER HARDENED DWDM 4 CH (D	\$ 4,727.00	50%	\$ 2,363.50
3KC12857ADXX	ED 4 STATIC FILTER HARDENED DWDM 4 CH (D	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AE	ED 4 STATIC FILTER HARDENED DWDM 4 CH (E	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AEXX	ED 4 STATIC FILTER HARDENED DWDM 4 CH (E	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AF	ED 4 STATIC FILTER HARDENED DWDM 4 CH (F	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AFXX	ED 4 STATIC FILTER HARDENED DWDM 4 CH (F	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AG	ED 4 STATIC FILTER HARDENED DWDM 4 CH (G	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AGXX	ED 4 STATIC FILTER HARDENED DWDM 4 CH (G	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AH	ED 4 STATIC FILTER HARDENED DWDM 4 CH (H	\$ 4,727.00	50%	\$ 2,363.50
3KC12857AHXX	ED 4 STATIC FILTER HARDENED DWDM 4 CH (H	\$ 4,727.00	50%	\$ 2,363.50
3KC12864AA	ED 4 DUST FILTER	\$ 11.00	50%	\$ 5.50
3KC12864AAXX	ED 4 DUST FILTER	\$ 11.00	50%	\$ 5.50
3KC12890AA	ED 4 SHELF COVER - ALL RACK SIZES	\$ 37.00	50%	\$ 18.50
3KC12890AAXX	ED 4 SHELF COVER - ALL RACK SIZES	\$ 37.00	50%	\$ 18.50
3KC12949AA	ED 4 CA-HK CABLE, 15M, SHIELDED (ANSI)	\$ 43.00	50%	\$ 21.50
3KC12949AAXX	ED 4 CA-HK CABLE, 15M, SHIELDED (ANSI)	\$ 43.00	50%	\$ 21.50
3KC12950AA	ED 4 POWER FILTER BLANK	\$ 132.00	50%	\$ 66.00
3KC12950AAXX	ED 4 POWER FILTER BLANK	\$ 132.00	50%	\$ 66.00
3KC12952AA	ED 4 STATIC FILTER BLANK (1/2 SLOT)	\$ 113.00	50%	\$ 56.50
3KC12952AAXX	ED 4 STATIC FILTER BLANK (1/2 SLOT)	\$ 113.00	50%	\$ 56.50
3KC12953AA	ED 4 STATIC FILTER BLANK (FULL SLOT)	\$ 169.00	50%	\$ 84.50
3KC12953AAXX	ED 4 STATIC FILTER BLANK (FULL SLOT)	\$ 169.00	50%	\$ 84.50
3KC12954BA	CA-ED 4 DC POWER SUP,5M(ANSI,-48V/24V)	\$ 76.00	50%	\$ 38.00
3KC12954BAXX	CA-ED 4 DC POWER SUP,5M(ANSI,-48V/24V)	\$ 76.00	50%	\$ 38.00
3KC12954BB	CA-ED 4 DC POWER SUP,10M(ANSI,-48V/24V)	\$ 127.00	50%	\$ 63.50
3KC12954BBXX	CA-ED 4 DC POWER SUP,10M(ANSI,-48V/24V)	\$ 127.00	50%	\$ 63.50
3KC12954BC	CA-ED 4 DC POWER SUP,3.6M(ANSI,-48V/24V)	\$ 63.00	50%	\$ 31.50
3KC12954BCXX	CA-ED 4 DC POWER SUP,3.6M(ANSI,-48V/24V)	\$ 63.00	50%	\$ 31.50
3KC12959AC	ED PSS 4 SHELF KIT(E4SHF, E4EC, E4FAN) H	\$ 6,349.00	50%	\$ 3,174.50
3KC12960AA	ED 4 SHELF	\$ 3,477.00	50%	\$ 1,738.50
3KC12960AAXX	ED 4 SHELF-SHELF,BP,SHELF ID,DUST FILTER	\$ 3,477.00	50%	\$ 1,738.50
3KC13016AA	AC CABLE ADAPTOR	\$ 35.00	50%	\$ 17.50
3KC13016AAXX	AC CABLE ADAPTOR	\$ 35.00	50%	\$ 17.50
3KC13063AAAA	PRE-STAGING 1830PSS-4 STANDARD	\$ 2,159.00	50%	\$ 1,079.50
3KC13064AAAA	PRE-STAGING 1830PSS-4 EXTRA TEST	\$ 720.00	50%	\$ 360.00
3KC13065AAAA	PRE-STAGING 1830PSS-4 EXTRA TEMP	\$ 2,777.00	50%	\$ 1,388.50
3KC13066AAAA	PRE-STAGING 1830PSS-4 EXTRA TIME	\$ 3,838.00	50%	\$ 1,919.00

3KC13130CB	CA-E1/DS1 2MHZ AND 1PPS TOD,50M	\$ 377.60	50%	\$ 188.80
3KC13130CC	CA-E1/DS1 2MHZ AND 1PPS TOD,100M	\$ 722.70	50%	\$ 361.35
3KC13130CD	CA-E1/DS1 2MHZ AND 1PPS ToD,20M	\$ 159.30	50%	\$ 79.65
3KC13130CE	CA-E1/DS1 2MHZ AND 1PPS ToD, 5M	\$ 57.50	50%	\$ 28.75
3KC13130DA	CA-1PPS(50Ohm) (SMB 1.0/2.3 - BNC), 1M	\$ 32.60	50%	\$ 16.30
3KC13130EA	CA-100ohm 1PPS ToD w/ RJ48C, 5m	\$ 50.17	50%	\$ 25.09
3KC13130EB	CA-100ohm 1PPS ToD w/ RJ48C, 10m	\$ 66.40	50%	\$ 33.20
3KC13130EC	CA-100ohm 1PPS ToD w/ RJ48C, 20m	\$ 118.30	50%	\$ 59.15
3KC13130ED	CA-100ohm 1PPS ToD w/ RJ48C, 50m	\$ 283.50	50%	\$ 141.75
3KC13130EE	CA-100ohm 1PPS ToD w/ RJ48C, 100m	\$ 502.20	50%	\$ 251.10
3KC13156BA	PTPCTL IEEE1588V2 CONTROLLER CARD	\$ 9,270.00	50%	\$ 4,635.00
3KC13172AA	CA-1830PSS4 CRAFT INTERFACE TERMINAL(CIT	\$ 122.00	50%	\$ 61.00
3KC13172AAAA	CA-PSS4 CRAFT INTERFACE TERMINAL (1.5M)	\$ 48.00	50%	\$ 24.00
3KC13205BC	CA-E1/DS1 2MHZ 1PPS TOD,RJ5,50M	\$ 6,031.00	50%	\$ 3,015.50
3KC13310AA	11DPM8 - 8XANY MUXPONDER	\$ 14,780.00	50%	\$ 7,390.00
3KC13331AA	ED 4 SHELF EXTENDED COVER	\$ 909.00	50%	\$ 454.50
3KC13333AA	ED 4 MOUNTING BRACKETS(19,23 INCHES)	\$ 381.00	50%	\$ 190.50
3KC13361AA	ED4 RACK INSTL KIT(19 INCH) NO PWR CABLE	\$ 555.00	50%	\$ 277.50
3KC13361AB	ED4 INSTALLTN KIT(ANSI RACK)W/O PWR CBLE	\$ 586.00	50%	\$ 293.00
3KC13401AA	CA-RJ45 CROSS OVER 2M	\$ 25.00	50%	\$ 12.50
3KC13402AAAA	ACI-NMS INSTALLATION&TEST	\$ 32,010.00	50%	\$ 16,005.00
3KC13846AAAA	SWP 1830PSS-4 R13.0.0	\$ 115.00	50%	\$ 57.50
3KC18947AC	PSS-36 SHELF COVER	\$ 817.00	50%	\$ 408.50
3KC19019AA	AIR FILTER - PSS36	\$ 258.00	50%	\$ 129.00
3KC19019AAXX	AIR FILTER - PSS36	\$ 258.00	50%	\$ 129.00
3KC19065AA	FIRST LEVEL CONTROLLER (FLC36) BLANK (PS	\$ 213.00	50%	\$ 106.50
3KC19065AAXX	FIRST LEVEL CONTROLLER (FLC36) BLANK (PS	\$ 213.00	50%	\$ 106.50
3KC19251AA	PSS-36 BT36 EXTRACTION TOOL	\$ 137.00	50%	\$ 68.50
3KC19251AAXX	PSS-36 BT36 EXTRACTION TOOL	\$ 137.00	50%	\$ 68.50
3KC19289CP	VWM STATIC FILTER CWDM 4 CH (CP VARIANT)	\$ 2,735.00	50%	\$ 1,367.50
3KC19289CQ	VWM STATIC FILTER CWDM 4 CH (CQ VARIANT)	\$ 2,734.50	50%	\$ 1,367.25
3KC19387AA	VWM SHELF KIT (CWDM 19 )	\$ 1,320.00	50%	\$ 660.00
3KC19387AAXX	VWM SHELF KIT (CWDM 19 INCHES)	\$ 1,320.00	50%	\$ 660.00
3KC19389AA	VWM SHELF KIT (CWDM ANSI)	\$ 1,320.00	50%	\$ 660.00
3KC19389AAXX	VWM SHELF KIT (CWDM ANSI)	\$ 1,320.00	50%	\$ 660.00
3KC19483AA	KIT-PSS-36 BAFFLE FLAP REPAIR KIT	\$ 304.00	50%	\$ 152.00
3KC19483AB	KIT PSS36 BAFFLE METAL FLAP REPAIR KIT	\$ 756.00	50%	\$ 378.00
3KC19491AA	KIT-COS BAY FIBER DUCT UPGRADE KIT	\$ 1,917.00	50%	\$ 958.50
3KC19492AA	KIT-COS BAY SHELF BRACKET UPGRADE KIT	\$ 469.00	50%	\$ 234.50
3KC19506AA	1830 PSS36 ANSI ACOUSTIC KIT	\$ 5,900.00	50%	\$ 2,950.00
3KC35392AB	ONETRU KIT, ANSI	\$ 12,832.00	50%	\$ 6,416.00
3KC35392ABXX	ONETRU KIT, ANSI	\$ 12,832.00	50%	\$ 6,416.00
3KC35452AA	20UC200 - 20X10G T-SFP UPLINK	\$ 45,000.00	50%	\$ 22,500.00
3KC35464AA	SC96 - SWITCH CARD 4T8	\$ 20,276.00	50%	\$ 10,138.00
3KC40952AA	PSS-24X RACK DOOR KIT	\$ 7,200.00	50%	\$ 3,600.00
3KC40953AB	PSS-24X SIDEPANELS ONE RACK 600 + 25 KIT	\$ 2,129.00	50%	\$ 1,064.50
3KC40958AB	PSS-24X ANSI SHELF INSTALLATION KIT	\$ 5,841.00	50%	\$ 2,920.50
3KC41016AA	KIT, ONERACK BULGED DOOR W/ LEFT HANDLE	\$ 3,900.00	50%	\$ 1,950.00
3KC42969AA	VWM EC SLOT BLANK COVER	\$ 268.00	50%	\$ 134.00
3KC43050AA	1830 PASSIVE VWM KIT	\$ 10,172.00	50%	\$ 5,086.00
3KC43105AA	SHELF 19IN, 0.5RU, 4 SLOTS, TYPE II	\$ 129.00	50%	\$ 64.50
3KC43106AA	SFC 4CH A VARIANT TYPE II (27-33)	\$ 910.00	50%	\$ 455.00
3KC43116AA	SLOT BLANK, 0.5RU, 4 SLOTS, TYPE II	\$ 28.00	50%	\$ 14.00
3KC43119AA	SLOT BLANK, 0.5RU, 2 SLOTS, TYPE II	\$ 35.00	50%	\$ 17.50
3KC43139AA	POD 8CH A Variant, LM, CH(59..52)	\$ 4,430.00	50%	\$ 2,215.00
3KC43140AA	SFD 8CH A Variant, LM, CH(59..52)	\$ 4,520.00	50%	\$ 2,260.00
3KC43141AA	1830VWM POD8 WATERPROOF PLUG KITS	\$ 297.00	50%	\$ 148.50
3KC43142AA	1830VWM POD-8 WALL/POLE MOUNTING BRACKET	\$ 83.00	50%	\$ 41.50
3KC43147AAAA	ESWP 1830 VWM SMM R9.0.1	\$ 115.00	50%	\$ 57.50
3KC43168AA	POD-8 MPO-LC OUTDOOR CABLE 5M	\$ 281.00	50%	\$ 140.50
3KC48820AA	8EC2 -EQUIPT CONTROLLER-PSS8,TEMP-HARDEN	\$ 3,059.20	50%	\$ 1,529.60
3KC48830AA	PSS8-8SP- SHELF PNL,TEMP-HARDEN	\$ 494.08	50%	\$ 247.04
3KC48839AA	MA-FRONT COVER, FAN TRAY	\$ 343.00	50%	\$ 171.50

3KC48840AA	PSS8-8UP-USER PANEL TEMP-HARDENED	\$ 485.12	50%	\$ 242.56
3KC48850AA	PSS8-8FAN-FAN UNIT,TEMP-HARDENED	\$ 1,550.08	50%	\$ 775.04
3KC48870AB	POWER FILTER-30A-PSS8 (8DC30)	\$ 1,980.00	50%	\$ 990.00
3KC48880AA	8AC7-AC PWRFLTR(7A AT 110V)PSS8,TEMP-HAR	\$ 3,697.92	50%	\$ 1,848.96
3KC48900AA	PSS8 SHELF KIT -PSS8KIT (1XPSS8, 1X8FAN)	\$ 8,497.92	50%	\$ 4,248.96
3KC48901AA	PSS8 SHELF-(INCLUDING PSS8SHF,SHELF PNL)	\$ 3,749.12	50%	\$ 1,874.56
3KC48960AB	PSS16II-PSS16II SHELF (SHELF CHASSIS AND	\$ 10,688.00	50%	\$ 5,344.00
3KC48960AC	PSS16II SHELF AC/DC (SHF CHASIS WBPLN)	\$ 7,858.00	50%	\$ 3,929.00
3KC48963AA	CC EAL3 PSS-16II SHELF KIT	\$ 29,505.00	50%	\$ 14,752.50
3KC48963BA	KIT 16IISHLF CC EAL3	\$ 29,505.00	50%	\$ 14,752.50
3KC48980AA	16UP2 - USER PANEL - PSS16II	\$ 1,561.60	50%	\$ 780.80
3KC48990AB	16FAN2 - FAN UNIT - PSS16II	\$ 3,469.00	50%	\$ 1,734.50
3KC49010AA	16DC65-DC PWRFTR(63A) PSS16II W SMPLTMG	\$ 2,336.00	50%	\$ 1,168.00
3KC49020AB	16DC65T-DCPWRFTR 65A PSS16II W FULLTMNG	\$ 4,960.00	50%	\$ 2,480.00
3KC49030AA	16AC16 - PSS16II AC/DC PWR MOD (2500W/22	\$ 3,658.00	50%	\$ 1,829.00
3KC49038AA	GNSS SFP MODULE	\$ 10,980.00	50%	\$ 5,490.00
3KC49039AA	ANTENNA KITS (10M) FOR GNSS SFP MODULE	\$ 5,490.00	50%	\$ 2,745.00
3KC49040AA	CA-ANTENNA CABLE(60M)FOR GNSS SFP MODULE	\$ 2,196.00	50%	\$ 1,098.00
3KC49041AA	CA-ANTENNA CABLE (10M)FOR GNSS SFP MODLE	\$ 934.00	50%	\$ 467.00
3KC49050AB	16IIKIT-PSS16II SHELF KIT (1XSHELF 1XFAN	\$ 15,680.00	50%	\$ 7,840.00
3KC49050AC	PSS16II AC/DC SHELFKIT (AC/DC SHELF 16FA	\$ 11,975.00	50%	\$ 5,987.50
3KC49050AD	PSS16II AC/DC SHLFKIT LP W/16FAN2C 16UP2	\$ 12,160.00	50%	\$ 6,080.00
3KC49050BB	KIT 16IISHLF(1XSHLF,FAN,16UP2,AIRFLTR)	\$ 15,680.00	50%	\$ 7,840.00
3KC49050BC	KIT 16IISHLF AC/DC (SHLFAN 16UP2 ARFLTR)	\$ 11,976.00	50%	\$ 5,988.00
3KC49050BD	KIT16IISHLF AC/DC LP(SHLFAN2C16UP2 FLTR)	\$ 12,160.00	50%	\$ 6,080.00
3KC49100AA	16FAN2C - FAN UNIT- PSS16II LP	\$ 3,816.00	50%	\$ 1,908.00
3KC49105AA	8DC30T2-DCPF30A PSS8 FULLTMG TH W/O BITS	\$ 3,629.00	50%	\$ 1,814.50
3KC49160AB	12P120 10G, 12 PROG PORTS, 2 RTUS	\$ 16,640.00	50%	\$ 8,320.00
3KC49161AB	12P120 10G,12 PROG PORTS,6 RTUS	\$ 23,984.00	50%	\$ 11,992.00
3KC49170AA	PTPIOC IEEE1588V2 PTP BIDI OTC INTF CARD	\$ 6,394.00	50%	\$ 3,197.00
3KC49200AA	11QPA4B - 11G TRANSPONDER (4X10GE CLNT)	\$ 18,581.00	50%	\$ 9,290.50
3KC49210AB	AA2DONWB -AMP 2-DIR W/O WT 44CH W APR	\$ 23,992.00	50%	\$ 11,996.00
3KC49220AB	OSCTAPR -OSC TERMINATION W/O WT W APR	\$ 8,264.00	50%	\$ 4,132.00
3KC49230AA	SFDC8A - STATIC FLTR DWDM CMPCT 8CH (A)	\$ 8,387.00	50%	\$ 4,193.50
3KC49230AB	SFDC8B - STATIC FLTR DWDM CMPCT 8CH (B)	\$ 8,387.00	50%	\$ 4,193.50
3KC49230AC	SFDC8C - STATIC FLTR DWDM CMPCT 8CH (C)	\$ 8,387.00	50%	\$ 4,193.50
3KC49230AD	SFDC8D - STATIC FLTR DWDM CMPCT 8CH (D)	\$ 8,387.00	50%	\$ 4,193.50
3KC49230AE	SFDC8E - STATIC FLTR DWDM CMPCT 8CH (E)	\$ 8,387.00	50%	\$ 4,193.50
3KC49240AA	8P20 - 8XANY 10G TRIB 6XANY MUX	\$ 12,365.00	50%	\$ 6,182.50
3KC49753AAAA	PRE-STAGING 1830PSS-8 STANDARD	\$ 2,302.00	50%	\$ 1,151.00
3KC49753ABAA	PRE-STAGING 1830PSS-8 EXTRA TEST	\$ 555.00	50%	\$ 277.50
3KC49753ACAA	PRE-STAGING 1830PSS-8 EXTRA TEMP	\$ 1,386.00	50%	\$ 693.00
3KC49753ADAA	PRE-STAGING 1830PSS-8 EXTRA TIME	\$ 6,182.00	50%	\$ 3,091.00
3KC49763AAAA	PRE-STAGING 1830PSS-16II STANDARD	\$ 2,516.00	50%	\$ 1,258.00
3KC49763ABAA	PRE-STAGING 1830PSS-16II EXTRA TEST	\$ 2,267.00	50%	\$ 1,133.50
3KC49763ACAA	PRE-STAGING 1830PSS-16II EXTRA TEMP	\$ 3,400.00	50%	\$ 1,700.00
3KC49763ADAA	PRE-STAGING 1830PSS-16II EXTRA TIME	\$ 2,267.00	50%	\$ 1,133.50
3KC49801AA	PSS8 -8ECBNK - EQUIPCONTROLLER BLNK	\$ 89.60	50%	\$ 44.80
3KC49802AA	8DCBNK - DC POWER FILTER BLANK-PSS-8	\$ 81.92	50%	\$ 40.96
3KC49803AA	AIR FILTER BLANK-PSS8	\$ 24.32	50%	\$ 12.16
3KC49812AA	PSS8 INST KIT-19IN EIA	\$ 1,006.08	50%	\$ 503.04
3KC49814AA	PSS8 INST KIT-23IN ANSI	\$ 1,044.48	50%	\$ 522.24
3KC49822AA	CA-DC POWER CABLE_DC 3.6M_ANGLED (PSS8)	\$ 192.00	50%	\$ 96.00
3KC49822AB	CA-DC POWER CABLE_DC 10M_ANGLED (PSS8)	\$ 457.00	50%	\$ 228.50
3KC49822AC	CA-DC POWER CABLE_DC 20M_ANGLED (PSS8)	\$ 856.00	50%	\$ 428.00
3KC49823AA	CA-RACK ALARM CABLE	\$ 62.00	50%	\$ 31.00
3KC49824AA	CA-RACK LAMP CABLE	\$ 34.00	50%	\$ 17.00
3KC49825AA	CA-CRAFT	\$ 35.00	50%	\$ 17.50
3KC49926AA	AIR FILTER - PSS8	\$ 55.04	50%	\$ 27.52
3KC49946AA	8CVR -PSS8 FRONT COVER	\$ 129.28	50%	\$ 64.64
3KC50001AA	16DCBNK - DC POWER FILTER BLANK-PSS16II	\$ 172.80	50%	\$ 86.40
3KC50011AC	PSS16II INST KIT-19IN 4-POST AC/DC	\$ 1,196.00	50%	\$ 598.00
3KC50012AB	16INST19 - PSS16II INST KIT-19IN EIA	\$ 2,240.00	50%	\$ 1,120.00

3KC50012AC	PSS16II INST KIT-19IN 2-POST AC/DC	\$ 1,144.00	50%	\$ 572.00
3KC50013AC	PSS16II INST KIT-21IN AC/DC	\$ 1,078.00	50%	\$ 539.00
3KC50014AB	16INST23 - PSS16II INST KIT-23IN ANSI	\$ 2,246.00	50%	\$ 1,123.00
3KC50014AC	PSS16II INST KIT-23IN AC/DC	\$ 1,267.00	50%	\$ 633.50
3KC50021AA	PSS16II CA-DC POWER CABLE_LEFT 3.6M	\$ 628.48	50%	\$ 314.24
3KC50021AB	PSS16II CA-DC POWER CABLE_LEFT 10M	\$ 1,254.40	50%	\$ 627.20
3KC50021AC	PSS16II CA-DC POWER CABLE_LEFT 20M	\$ 2,419.20	50%	\$ 1,209.60
3KC50022AA	PSS16II CA-DC POWER CABLE_RIGHT 3.6M	\$ 629.76	50%	\$ 314.88
3KC50022AB	PSS16II CA-DC POWER CABLE_RIGHT 10M	\$ 1,256.96	50%	\$ 628.48
3KC50022AC	PSS16II CA-DC POWER CABLE_RIGHT 20M	\$ 2,540.80	50%	\$ 1,270.40
3KC50023AA	CA-AC POWER SUPPLY CABLE_CHINA 16A(5M)	\$ 783.00	50%	\$ 391.50
3KC50023AB	CA-AC PWR SUPPLY CABLE-NORTH AMERICA 16A	\$ 887.00	50%	\$ 443.50
3KC50023AC	CA-AC PWR SPLY CA-CONTINENTAL EUROPE 16A	\$ 887.00	50%	\$ 443.50
3KC50023AD	CA-AC POWER SUPPLY CABLE_UK/IRELAND 16A	\$ 783.00	50%	\$ 391.50
3KC50025AA	CA-DC POWER CABLE, PSS16II	\$ 1,513.00	50%	\$ 756.50
3KC50040AB	16AF2 - PSS16II AIR FILTER	\$ 134.40	50%	\$ 67.20
3KC50122AB	16CVR2 - PSS16II FRONT COVER KIT	\$ 490.00	50%	\$ 245.00
3KC50122AC	16CVR2 - PSS16II FRONT COVER KIT	\$ 490.00	50%	\$ 245.00
3KC50130AA	AC/DC RECTIFIER PLUGGABLE MODULE	\$ 1,721.50	50%	\$ 860.75
3KC50131AA	AC/DC SHELF - SINGLE	\$ 2,087.00	50%	\$ 1,043.50
3KC50132AA	AC/DC SHELF - DUPLEX	\$ 4,956.00	50%	\$ 2,478.00
3KC50133AA	AC/DC SHLF SET SNGL(INC 1XSHF-SNGL,2XRCT	\$ 6,260.00	50%	\$ 3,130.00
3KC50134AA	AC/DC SHLF SET DUPLEX(INC 1XSHF-DPLX,4XR	\$ 13,301.00	50%	\$ 6,650.50
3KC50135AA	AC/DC SHF INST KIT-19IN EIA	\$ 313.00	50%	\$ 156.50
3KC50138AA	AC/DC SHF INST KIT-23IN ANSI	\$ 313.00	50%	\$ 156.50
3KC50248AB	AIR DEFLECTOR (1830PSS4/8)	\$ 115.00	50%	\$ 57.50
3KC50285AA	16DCAPT-DCPWR FLTR ADPTR PSS-16II AC SHF	\$ 43.00	50%	\$ 21.50
3KC50322AA	30AN300 - 30X10G SFP+ CLIENT CARD	\$ 82,612.00	50%	\$ 41,306.00
3KC50330AA	PSS-24X MULTI FUNCTION CARD	\$ 2,592.00	50%	\$ 1,296.00
3KC50335AA	CCC-CENTRAL CLOCK AND CONTROLLER	\$ 9,813.00	50%	\$ 4,906.50
3KC50388AA	PSS-24X POWER SUPPLY FILTER	\$ 5,774.00	50%	\$ 2,887.00
3KC50429AB	PSS-24X FAN TRAY	\$ 7,650.00	50%	\$ 3,825.00
3KC50486AA	PSS-24X TEMP. AND PRESSURE SENSOR CARD	\$ 720.00	50%	\$ 360.00
3KC50567AA	CABLE - HOUSEKEEPING IN (DSUB) 30M	\$ 441.60	50%	\$ 220.80
3KC50568AA	CABLE- HOUSEKEEPING OUT (DSUB) 30M	\$ 441.60	50%	\$ 220.80
3KC50569AA	CABLE- REMOTE ALARM (DSUB) 30M	\$ 439.04	50%	\$ 219.52
3KC50570AB	CABLE- RACK LAMPS OUT RACK LED (DSUB) 3M	\$ 220.16	50%	\$ 110.08
3KC50572AA	CA PSS24XPSS24XRKLMPSDAYZCHN(DSUBDSUB)3M	\$ 122.00	50%	\$ 61.00
3KC50573AA	CA PSS24XPSS36XRKLMPSDAYZCHN(DSUBDSUB)3M	\$ 122.00	50%	\$ 61.00
3KC50574AA	CA-TEMP PRESS SENSOR	\$ 93.00	50%	\$ 46.50
3KC50611AA	PSS-24X ANSI RACK INSTALLATION KIT	\$ 2,505.00	50%	\$ 1,252.50
3KC50625AA	PSS-24X ANSI LOWER COMPLETE AIR BAFFLE	\$ 901.00	50%	\$ 450.50
3KC50629AA	PSS-24X ANSI MIDDLE COMPLETE AIR BAFFLE	\$ 654.00	50%	\$ 327.00
3KC50699AA	PSS-24X SUBRACK BLANK ANSI	\$ 783.00	50%	\$ 391.50
3KC50701AA	CABLE - GROUND CABLE 3M	\$ 400.64	50%	\$ 200.32
3KC59819AC	IO SLOT BLANK CARD	\$ 350.00	50%	\$ 175.00
3KC59925AA	4UC400 - 4X100G UPLINK	\$ 180,000.00	50%	\$ 90,000.00
3KC60153AA	30SE300 - 30X X10GE L2	\$ 95,000.00	50%	\$ 47,500.00
3KC60165AA	6SE300 - 100GE L2	\$ 98,000.00	50%	\$ 49,000.00
3KC60191AA	10AN400 - 10/40/100G ANYRATE CARD	\$ 104,378.00	50%	\$ 52,189.00
3KC60223AA	PSS24X SHELF, MFC24X AND TPSC24X	\$ 80,000.00	50%	\$ 40,000.00
3KC60346AA	2UC400 - 2 CARRIER UPLINK (UNRESTRICTED)	\$ 570,000.00	50%	\$ 285,000.00
3KC60351AA	PSS24X AIR FILTER	\$ 549.00	50%	\$ 274.50
3KC60352AAAA	ESWL - RTU LIC 1830PSS-24X 100G CAP	\$ 12,960.00	50%	\$ 6,480.00
3KC60353AAAA	ESWL - RTU LIC 1830PSS-24X 100G CAP GMRE	\$ 8,040.00	50%	\$ 4,020.00
3KC60354AAAA	ESWL - RTU LIC 1830PSS-24X 200G PORT	\$ 194,400.00	50%	\$ 97,200.00
3KC60371AAAA	PRE-STAGING 1830PSS-24X STANDARD	\$ 2,515.00	50%	\$ 1,257.50
3KC60372AAAA	PRE-STAGING 1830PSS-24X EXTRA TEST	\$ 2,267.00	50%	\$ 1,133.50
3KC60373AAAA	PRE-STAGING 1830PSS-24X EXTRA TEMP	\$ 3,400.00	50%	\$ 1,700.00
3KC60374AAAA	PRE-STAGING 1830PSS-24X EXTRA TIME	\$ 2,267.00	50%	\$ 1,133.50
3KC60428AA	20AN80 - 20X 10G/SUB10G MULTIRATE CARD	\$ 31,000.00	50%	\$ 15,500.00
3KC60474AA	SC24T - SWITCH CARD 24T	\$ 30,732.00	50%	\$ 15,366.00
3KC60555AA	PSS24X MONITOR PORTS COVER REPAIR KIT	\$ 312.00	50%	\$ 156.00

3KC60557AA	PSS24X POWER SUPPLY FILTER (HIGH PWR 70A)	\$ 6,500.00	50%	\$ 3,250.00
3KC61010AB	10AN1T- 10X100G/4X200GBE/2X400GBE CLIENT	\$ 645,900.00	50%	\$ 322,950.00
3KC61026AA	8UC1T - 8-PORT 100G/200G UPLINK	\$ 260,000.00	50%	\$ 130,000.00
3KC61074AA	4UC1T - 4X200G/250G 2x300G/400G UPLINK	\$ 130,000.00	50%	\$ 65,000.00
3KC67010AB	RP15 CONVENTIONAL RAMAN PUMP 1.5W C	\$ 422,142.00	50%	\$ 211,071.00
3KC67011AB	RP150 CONVENTIONAL RAMAN PUMP 1.5W OSC C	\$ 443,142.00	50%	\$ 221,571.00
3KC67033AA	TX ROPA CASSETTE PUMP2 LOW TEMP	\$ 62,343.79	50%	\$ 31,171.90
3KC67044AB	ROP-20 CONVENTIONAL ROPA PUMP 2W C	\$ 407,862.00	50%	\$ 203,931.00
3KC67046AA	OSCU CONVERTER UNIT	\$ 78,000.00	50%	\$ 39,000.00
3KC67051AA	EROP-20 ENHANCED ROPA PUMP 2W F	\$ 463,710.00	50%	\$ 231,855.00
3KC67052AA	EROP-30 ENHANCED ROPA PUMP 3W F	\$ 490,360.00	50%	\$ 245,180.00
3KC67058AA	ADF60 ARMORED DISTRIBUTION FRAME F	\$ 14,414.00	50%	\$ 7,207.00
3KC67058AB	ADF60 ARMORED DISTRIBUTION FRAME C	\$ 14,414.00	50%	\$ 7,207.00
3KC67061AAAA	ESWP 1830 LX OA R1.1	\$ 115.00	50%	\$ 57.50
3KC68345AA	1830 PHOTONIC SERVICE DEMARCATION PSD-DC	\$ 6,780.00	50%	\$ 3,390.00
3KC69418AA	PSI-2T 2-POST RACK 23IN EIA INSTALL KIT	\$ 320.00	50%	\$ 160.00
3KC69418AB	PSI-2T 2-POST RACK 19IN EIA INSTALL KIT	\$ 326.00	50%	\$ 163.00
3KC69418AC	PSI-M 2 POST RACK 23IN EIA INSTALL KIT	\$ 928.00	50%	\$ 464.00
3KC69418AD	PSI-M 2 POST RACK 19IN EIA INSTALL KIT	\$ 882.00	50%	\$ 441.00
3KC69659AA	S2AD200R-1X100G/200G OT RGNL UNRESTRICTD	\$ 170,346.00	50%	\$ 85,173.00
3KC69661AA	1830PSS32 DUST PLUG KIT	\$ 109.00	50%	\$ 54.50
3KC69751AA	IRDM20-20D ROADM SWG AMP	\$ 399,360.00	50%	\$ 199,680.00
3KC69751AB	IRDM20-20D ROADM SWG AMP LP	\$ 399,360.00	50%	\$ 199,680.00
3KC69754AA	1830 VWM DCM TLU/PMU INDOOR SHELF DC	\$ 2,205.00	50%	\$ 1,102.50
3KC69755AA	1830 VWM DCM TLU/PMU INDOOR SHELF AC	\$ 2,362.50	50%	\$ 1,181.25
3KC69756AA	1830VWM DCM 6CH CPRI7 TLU/PMU MOD REC	\$ 49,560.00	50%	\$ 24,780.00
3KC69757AA	1830 VWM DCM 6CH CPRI7 TLU/PMU MOD RE	\$ 49,560.00	50%	\$ 24,780.00
3KC69758AA	1830VWM DCM 6CH CPRI3 TLU/PMU MODUL REC	\$ 18,900.00	50%	\$ 9,450.00
3KC69759AA	1830 VWM DCM 6CH CPRI3 TLU/PMU MOD RE	\$ 18,900.00	50%	\$ 9,450.00
3KC69760AA	1830VWM DCM 6CH CPRI7 TLU/PMU OUTDOOR DC	\$ 56,100.00	50%	\$ 28,050.00
3KC69761AA	1830VWM DCM 6CH CPRI7 TLU/PMU OUTDOOR AC	\$ 56,100.00	50%	\$ 28,050.00
3KC69762AA	1830VWM DCM 6CH CPRI3 TLU/PMU OUTDOOR DC	\$ 27,000.00	50%	\$ 13,500.00
3KC69763AA	1830VWM DCM 6CH CPRI3 TLU/PMU OUTDOOR AC	\$ 27,000.00	50%	\$ 13,500.00
3KC69764AA	1830 VWM DCM TLU/PMU INDOOR SLOT FILLER	\$ 242.60	50%	\$ 121.30
3KC69765AA	1830VWM DCM TLU/PMU OUTDOOR BACK-MNT KIT	\$ 450.00	50%	\$ 225.00
3KC69766AA	1830VWM DCM TLU/PMU OUTDOOR SIDE-MNT KIT	\$ 450.00	50%	\$ 225.00
3KC69767AA	1830VWM DCM TLU/PMU INDOOR MOUNT KIT	\$ 210.00	50%	\$ 105.00
3KC69768AA	VWM DCM TLU/PMU DEBUG CABLE, 3M	\$ 84.00	50%	\$ 42.00
3KC69769AA	1830 VWM DCM TLU/PMU AC POWER CABLE, 3M	\$ 210.00	50%	\$ 105.00
3KC69770AA	1830 VWM DCM TLU/PMU DC POWER CABLE, 5M	\$ 231.00	50%	\$ 115.50
3KC69771AA	1830 VWM DCM TLU/PMU INDOOR FAN UNIT	\$ 651.00	50%	\$ 325.50
3KC69791AA	1830 VWM PMUD21A 21CH DWDM PMU, BAND-A	\$ 22,710.00	50%	\$ 11,355.00
3KC69791AB	1830 VWM PMUD21B 21CH DWDM PMU, BAND-B	\$ 22,710.00	50%	\$ 11,355.00
3KC69791AC	1830 VWM PMUD21C 21CH DWDM PMU, BAND-C	\$ 22,710.00	50%	\$ 11,355.00
3KC69791AD	1830 VWM PMUD21D 21CH DWDM PMU, BAND-D	\$ 22,710.00	50%	\$ 11,355.00
3KC69794AA	1830 VWM BMU-P PLUGGABLE FILTER	\$ 7,000.00	50%	\$ 3,500.00
3KC69795AA	1830 VWM BMU-P CHASSIS	\$ 1,100.00	50%	\$ 550.00
3KC69796AA	SFD-96 96 CHANNEL OPTICAL MUX/DEMUX	\$ 12,000.00	50%	\$ 6,000.00
3KC69797AA	IPREAMP-BOOSTER/PRE-AMP FOR IROADM	\$ 78,387.00	50%	\$ 39,193.50
3KC69819AA	OPSB5 - MULTIPOINT OPSB CARD	\$ 17,715.00	50%	\$ 8,857.50
3KC69823AA	D5X500Q 500G MUX/UL, 5CL, SUBSEA	\$ 1,099,338.00	50%	\$ 549,669.00
3KC69831AA	OPS PROTECTION CARD FOR TX_RX, OSM-DSV	\$ 9,000.00	50%	\$ 4,500.00
3KC69929AA	PSS-32 BACKPLANE CONNECTOR COVER W/ TOOL	\$ 384.00	50%	\$ 192.00
3KC69939AA	ASWG-L AMP SWITCHED GAIN EDFA L-BAND	\$ 113,280.00	50%	\$ 56,640.00
3KC69993AA	S2AD200H- 1X100G/200G OT HP UNRESTRICTED	\$ 200,407.00	50%	\$ 100,203.50
3KC69994AA	PSS-32 BACKPLANE CONNECTOR COVERS (2)	\$ 10.00	50%	\$ 5.00
3KC70045AAAA	ESWL-DFC12 100GB PORT 100G MODE LIFE	\$ 5,803.00	50%	\$ 2,901.50
3KC70046AAAA	ESWL-DFC12 100GB PORT 200G MODE LIFE	\$ 4,352.00	50%	\$ 2,176.00
3KC70047AAAA	ESWL-DFC12 100GB PORT 300G MODE LIFE	\$ 2,901.00	50%	\$ 1,450.50
3KC70048AAAA	ESWL-DFC12 100GB PORT 400G MODE LIFE	\$ 1,451.00	50%	\$ 725.50
3KC70049AAAA	ESWL-DFC12 100GB PORT 500G MODE LIFE	\$ 139,264.00	50%	\$ 69,632.00
3KC70050AAAA	ESWL - RTU 100G LONG HAUL LIFE	\$ 104,448.00	50%	\$ 52,224.00
3KC70051AAAA	ESWL-RTU 100G REGIONAL LIFE	\$ 69,632.00	50%	\$ 34,816.00



3KC70053AAAA	ESWL-DFM6 400GB PORT 400G MODE LIFE	\$ 3,760.00	50%	\$ 1,880.00
3KC70054AAAA	ESWL-RTU CLIENTPORT ETHERNET	\$ 3,482.00	50%	\$ 1,741.00
3KC70055AAAA	ESWL-D5X500Q UNIDIR REGEN MODE MONTH	\$ 4,004.00	50%	\$ 2,002.00
3KC70056AAAA	ESWL-D5X500Q UNIDIR REGEN MODE LIFE	\$ 3,760.00	50%	\$ 1,880.00
3KC70057AAAA	ESWL-RTU CLIENTPORT GENERIC	\$ 3,760.00	50%	\$ 1,880.00
3KC70064AAAA	ESWL-ALIEN 12.5GHZ MONTH	\$ 725.00	50%	\$ 362.50
3KC70084AA	MVACF MULTI VARIABLE ATTENUATOR FLEXGRID	\$ 7,698.00	50%	\$ 3,849.00
3KC70096AA	SHELF COVER LATCH REPAIR KIT 14.2MM HEAD	\$ 672.00	50%	\$ 336.00
3KC70100AAAA	ESWL-ALIEN 12.5GHZ LIFE	\$ 17,408.00	50%	\$ 8,704.00
3KC70111AA	TLU-200 10CH TRANSLATION LINE UNIT	\$ 25,000.00	50%	\$ 12,500.00
3KC70162AA	1830VWM TYPE 2 FAN UNIT	\$ 1,200.00	50%	\$ 600.00
3KC70163AA	IRDM32 - 32D ROADM SWG C-BAND	\$ 599,040.00	50%	\$ 299,520.00
3KC70186AA	RA4P C BAND RAMAN AMPLIFIER - 4 PUMPS	\$ 108,800.00	50%	\$ 54,400.00
3KC70203AA	1830VWM TYPE 2 FAN UNIT DUST FILTER	\$ 200.00	50%	\$ 100.00
3KC70234AA	MCS1615 MULTICASTSWITCH 16-DEG 15-PORTS	\$ 151,680.00	50%	\$ 75,840.00
3KC70245AA	SFD 10CH A VARIANT, LM, CH(60-51)	\$ 6,500.00	50%	\$ 3,250.00
3KC70254AA	1830VWM 1RU TYPE 3 19IN RACK MOUNT BRKT	\$ 55.00	50%	\$ 27.50
3KC70254AC	1830VWM 1RU TYPE 3 23IN WECO RK MT BRKT	\$ 75.00	50%	\$ 37.50
3KC70254AD	1830VWM 1RU TYPE 3 23IN EIA RK MT BRKT	\$ 75.00	50%	\$ 37.50
3KC70270AA	SHELF 19IN, 0.5RU, 2 SLOTS, TYPE II	\$ 150.00	50%	\$ 75.00
3KC70281AA	SHELF 21IN, 0.5RU, 2 SLOTS, TYPE II	\$ 150.00	50%	\$ 75.00
3KC70282AA	SHELF 23 IN, 0.5RU, 2 SLOTS, TYPE II	\$ 150.00	50%	\$ 75.00
3KC70293AA	SHELF 21IN, 0.5RU, 4 SLOTS, TYPE II	\$ 129.00	50%	\$ 64.50
3KC70294AA	SHELF 23 IN, 0.5RU, 4 SLOTS, TYPE II	\$ 129.00	50%	\$ 64.50
3KC70341AA	DCM - SMF 10KM, LATENCY MATCHED,CT	\$ 8,450.00	50%	\$ 4,225.00
3KC70342AA	IRDM32L - 32D ROADM SWG L-BAND	\$ 898,560.00	50%	\$ 449,280.00
3KC70366AA	S4X400H 4X100G OT SUBSEA UNRESTRICTED	\$ 643,484.00	50%	\$ 321,742.00
3KC70424AA	OMDCL C+L OPTICAL MUX/DEMUX, OTDR	\$ 104,248.00	50%	\$ 52,124.00
3KC70514AA	MCS1615L MULTICSTSWTCH 16DEG 15PRT L-BAN	\$ 176,800.00	50%	\$ 88,400.00
3KC70591AA	ESRE EXTENSION SHELF RANGE EXTENDER	\$ 1,984.00	50%	\$ 992.00
3KC70641AA	1ETY100 CARRIER ETH QSFP28 UPLINK 1X100G	\$ 14,464.00	50%	\$ 7,232.00
3KC70676AA	S4X400H 4X100G OT UNRESTRICTED	\$ 484,611.00	50%	\$ 242,305.50
3KC70692AA	MLFSB MPO-LC BREAKOUT SHUFFLE	\$ 12,193.00	50%	\$ 6,096.50
3KC70693AA	ASG AMPLIFIER SWITCHED GAIN EDFA	\$ 55,782.00	50%	\$ 27,891.00
3KC70693AB	ASGLP AMPLIFIER SWITCHED GAIN EDFA LP	\$ 55,782.00	50%	\$ 27,891.00
3KC70767AA	1830VWM FIBER JUMPER, SIMPLEX BI (420MM)	\$ 45.00	50%	\$ 22.50
3KC70803AA	S5AD400H 4X100G 1X400G OT UNRESTRICTED	\$ 116,053.00	50%	\$ 58,026.50
3KC70817AA	S5AD400H 4X100G 1X400G OT RESTRICTED	\$ 98,645.00	50%	\$ 49,322.50
3KC70869AA	IR9 - REGIONAL 9D ROADM SWG AMP	\$ 184,817.00	50%	\$ 92,408.50
3KC70869AB	IR9LP - REGIONAL 9D ROADM SWG AMP LP	\$ 184,817.00	50%	\$ 92,408.50
3KC70930AAAA	ESWL-DD2M4 100GB PORT 100G MODE MONTH	\$ 4,352.00	50%	\$ 2,176.00
3KC70931AAAA	ESWL-DD2M4 100GB PORT 200G MODE MONTH	\$ 2,901.00	50%	\$ 1,450.50
3KC70932AAAA	ESWL-DD2M4 100GB PORT 400G MODE MONTH	\$ 1,451.00	50%	\$ 725.50
3KC70933AAAA	ESWL-DD2M4 400GB PORT 400G MODE MONTH	\$ 104,448.00	50%	\$ 52,224.00
3KC70934AAAA	ESWL-DD2M4 100GB PORT 100G MODE LIFE	\$ 69,632.00	50%	\$ 34,816.00
3KC70936AAAA	ESWL-DD2M4 100GB PORT 400G MODE LIFE	\$ 5,803.00	50%	\$ 2,901.50
3KC70937AAAA	ESWL-DD2M4 400GB PORT 400G MODE LIFE	\$ 4,352.00	50%	\$ 2,176.00
3KC70938AAAA	ESWL-S5AD400H UNIDIR REGEN MODE MONTH	\$ 2,901.00	50%	\$ 1,450.50
3KC70939AAAA	ESWL-S5AD400H UNIDIR REGEN MODE LIFE	\$ 1,451.00	50%	\$ 725.50
3KC70942AAAA	ESWL-DFC12 UNIDIR REGEN MODE MONTH	\$ 69,632.00	50%	\$ 34,816.00
3KC70943AAAA	ESWL-DFC12 UNIDIR REGEN MODE LIFE	\$ 34,816.00	50%	\$ 17,408.00
3KC70950AAAA	ESWL-8UC1T SPARE	\$ 1,451.00	50%	\$ 725.50
3KC70954AAAA	ESWL-DFC12 100GB PORT 100G MODE MONTH	\$ 6,528.00	50%	\$ 3,264.00
3KC70955AAAA	ESWL-DFC12 100GB PORT 200G MODE MONTH	\$ 156,672.00	50%	\$ 78,336.00
3KC70956AAAA	ESWL-DFC12 100GB PORT 300G MODE MONTH	\$ 4,352.00	50%	\$ 2,176.00
3KC70957AAAA	ESWL-DFC12 100GB PORT 400G MODE MONTH	\$ 2,901.00	50%	\$ 1,450.50
3KC70958AAAA	ESWL-DFC12 100GB PORT 500G MODE MONTH	\$ 1,451.00	50%	\$ 725.50
3KC70959AAAA	ESWL-DFC12 SPARE	\$ 104,448.00	50%	\$ 52,224.00
3KC70960AAAA	ESWL-DFM6 SPARE	\$ 69,632.00	50%	\$ 34,816.00
3KC70961AAAA	ESWL-DD2M4 SPARE	\$ 34,816.00	50%	\$ 17,408.00
3KC70967AAAA	ESWL-2UC400 100GB PORT 100G MONTH	\$ 8,704.00	50%	\$ 4,352.00
3KC70968AAAA	ESWL-2UC400 100GB PORT 200G MONTH	\$ 1,306.00	50%	\$ 653.00
3KC70974AAAA	ESWL-2UC400 100GB PORT 100G LIFE	\$ 208,896.00	50%	\$ 104,448.00

3KC70975AAAA	ESWL-2UC400 100GB PORT 200G LIFE	\$ 31,334.00	50%	\$ 15,667.00
3KC70976AAAA	ESWL-DFM6 UNIDIR REGEN MODE MONTH	\$ 5,803.00	50%	\$ 2,901.50
3KC70977AAAA	ESWL-DFM6 UNIDIR REGEN MODE LIFE	\$ 4,352.00	50%	\$ 2,176.00
3KC70978AAAA	ESWL-DD2M4 UNIDIR REGEN MODE MONTH	\$ 2,901.00	50%	\$ 1,450.50
3KC70984AAAA	ESWL-RTU OLPS 50G S5AD400 MONTHLY	\$ 1,306.00	50%	\$ 653.00
3KC70985AAAA	ESWL-S5AD400H 100GB PORT 100G MODE MONTH	\$ 2,901.00	50%	\$ 1,450.50
3KC70986AAAA	ESWL-S5AD400H 100GB PORT 200G MODE MONTH	\$ 4,352.00	50%	\$ 2,176.00
3KC70987AAAA	ESWL-S5AD400H 100GB PORT 300G MODE MONTH	\$ 5,803.00	50%	\$ 2,901.50
3KC70988AAAA	ESWL-S5AD400H 100GB PORT 400G MODE MONTH	\$ 6,528.00	50%	\$ 3,264.00
3KC70989AAAA	ESWL-S5AD400H 400GB PORT 400G MODE MONTH	\$ 31,334.00	50%	\$ 15,667.00
3KC70990AAAA	ESWL-S5AD400H 100GB PORT 100G MODE LIFE	\$ 69,632.00	50%	\$ 34,816.00
3KC70991AAAA	ESWL-S5AD400H 100GB PORT 200G MODE LIFE	\$ 104,448.00	50%	\$ 52,224.00
3KC70992AAAA	ESWL-S5AD400H 100GB PORT 300G MODE LIFE	\$ 139,264.00	50%	\$ 69,632.00
3KC70993AAAA	ESWL-S5AD400H 100GB PORT 400G MODE LIFE	\$ 156,672.00	50%	\$ 78,336.00
3KC70994AAAA	ESWL-S5AD400H 400GB PORT 400G MODE LIFE	\$ 4,352.00	50%	\$ 2,176.00
3KC70995AAAA	ESWL-4UC1T 100GB PORT 200G MODE MONTH	\$ 2,901.00	50%	\$ 1,450.50
3KC70996AAAA	ESWL-4UC1T 100GB PORT 300G MODE MONTH	\$ 1,451.00	50%	\$ 725.50
3KC70997AAAA	ESWL-4UC1T 100GB PORT 400G MODE MONTH	\$ 104,448.00	50%	\$ 52,224.00
3KC70998AAAA	ESWL-4UC1T 100GB PORT 200G MODE LIFE	\$ 69,632.00	50%	\$ 34,816.00
3KC70999AAAA	ESWL-4UC1T 100GB PORT 300G? MODE LIFE	\$ 34,816.00	50%	\$ 17,408.00
3KC71000AAAA	ESWL-4UC1T 100GB PORT 400G MODE LIFE	\$ 3,760.00	50%	\$ 1,880.00
3KC71001AAAA	ESWL-8UC1T 100GB PORT 100G MODE MONTH	\$ 3,760.00	50%	\$ 1,880.00
3KC71002AAAA	ESWL-8UC1T 100GB PORT 200G MODE MONTH	\$ 3,760.00	50%	\$ 1,880.00
3KC71003AAAA	ESWL-8UC1T 100GB PORT 100G MODE LIFE	\$ 3,760.00	50%	\$ 1,880.00
3KC71004AAAA	ESWL-8UC1T 100GB PORT 200G MODE LIFE	\$ 3,760.00	50%	\$ 1,880.00
3KC71006AAAA	ESWL-4UC1T SPARE	\$ 96,000.00	50%	\$ 48,000.00
3KC71007AAAA	ESWL-D5X500 SPARE	\$ 99,844.00	50%	\$ 49,922.00
3KC71009AAAA	ESWL-2UC400 SPARE	\$ 107,346.00	50%	\$ 53,673.00
3KC71011AAAA	ESWL-S5AD400 SPARE	\$ 35,401.00	50%	\$ 17,700.50
3KC71012AAAA	ESWL-GENERIC 12.5GHZ LIFE	\$ 31,334.00	50%	\$ 15,667.00
3KC71013AAAA	ESWL-GENERIC 12.5GHZ MONTH	\$ 1,306.00	50%	\$ 653.00
3KC71053AA	ASC4L -AMPLIFIED SPLITTER/COMBINER LBAND	\$ 103,560.00	50%	\$ 51,780.00
3KC71058AA	MXN824L CONTENTIONLESS WSS8D24PRTS LBAND	\$ 522,080.00	50%	\$ 261,040.00
3KC71142AAAA	SWPL 1830PSS-8/16II/16/32 R13.0.0	\$ 77.00	50%	\$ 38.50
3KC71145AAAA	SWP KIT 1830PSS SWDM R13.0.0	\$ 115.00	50%	\$ 57.50
3KC71152AAAA	SWP 1830PSS ECE R13.0.0	\$ 115.00	50%	\$ 57.50
3KC71264AAAA	SWPL 1830PSS-8/16II/16/32 R13.0.4	\$ 77.00	50%	\$ 38.50
3KC71270AA	S6AD600E ENCRYPTION UNRESTRICTED	\$ 378,000.00	50%	\$ 189,000.00
3KC71272AAAA	SWP KIT 1830PSS SWDM R13.0.4	\$ 115.00	50%	\$ 57.50
3KC71294AA	MEC2L CONTROLLER KIT - 1830 R13.0	\$ 3,277.00	50%	\$ 1,638.50
3KC71294AB	MEC2L CONTROLLER KIT - 1830 R13.0.4	\$ 3,277.00	50%	\$ 1,638.50
3KC71294AC	MEC2L CONTROLLER KIT - 1830 R13.1	\$ 3,277.00	50%	\$ 1,638.50
3KC71441AAAA	SWPL 1830PSS-8/16II/16/32 R13.1.0	\$ 77.00	50%	\$ 38.50
3KC71446AAAA	SWP KIT 1830PSS SWDM R13.1.0	\$ 115.00	50%	\$ 57.50
3KC73611AAAA	NFM-T ENHANCED DB 4VCPU	\$ 10,601.00	50%	\$ 5,300.50
3KC73612AAAA	NFM-T 2 CPU EMBEDDED OS ENHANCEMENT	\$ 593.66	50%	\$ 296.83
3KC73640AAAA	NFM-T STANDARD LP	\$ 110.00	50%	\$ 55.00
3KC73641AAAA	NFM-T HIGH AVAILABILITY LP	\$ 22.00	50%	\$ 11.00
3KC73669AAAA	ESWL NFM-T 19 STANDARD BASE	\$ 77,000.00	50%	\$ 38,500.00
3KC73716AAAA	ESWL NFM-T 20 APPLICATION ONLY BASE LIC	\$ 77,000.00	50%	\$ 38,500.00
3KC76608AAAA	NSP 17: NRC-T STANDARD BASE	\$ 371,035.00	50%	\$ 185,517.50
3KC76610AAAA	NRC - TRANSPORT - SRS	\$ 1.00	50%	\$ 0.50
3KC76611AAAA	NRC - TRANSPORT - SRS (NAR ONLY)	\$ 1.00	50%	\$ 0.50
3KC76612AAAA	NSP 17: NSD-NRC STANDARD TRANSPORT LP	\$ 110.00	50%	\$ 55.00
3KC76613AAAA	NSP 17: NSD-NRC HIGH AVAIL TRANSPORT LP	\$ 22.00	50%	\$ 11.00
3KC76616AAAA	NRC-T 18 STANDARD BASE	\$ 399,980.00	50%	\$ 199,990.00
3KC76617AAAA	NRC STANDARD TRANSPORT LP	\$ 110.00	50%	\$ 55.00
3KC76625AAAA	ESWL NRC-T 19 STANDARD BASE	\$ 399,980.00	50%	\$ 199,990.00
3KC76635AAAA	ESWL NRC-T 20 STANDARD BASE	\$ 399,980.00	50%	\$ 199,990.00
3KC79613AA	CE-A WIRELESS ACCESS ADAPTOR	\$ 200.00	50%	\$ 100.00
3KC79645AAAA	ESWL PSD WORK ORDER LICENSE	\$ 1,000.00	50%	\$ 500.00
3KC79646AAAA	ESWL WAVELITE WORK ORDER LICENSE	\$ 2,000.00	50%	\$ 1,000.00
3KC79647AAAA	ESWL PSI WORK ORDER LICENSE	\$ 4,000.00	50%	\$ 2,000.00

3KC79684AAAA	ESWL CE-S R18.12 PSD SERVER LICENSE	\$ 30,000.00	50%	\$ 15,000.00
3KC79685AAAA	ESWL CE-S R18.12 WAVELITE SERVER LICENSE	\$ 50,000.00	50%	\$ 25,000.00
3KC79686AAAA	ESWL CE-S R18.12 PSI SERVER LICENSE	\$ 50,000.00	50%	\$ 25,000.00
3KC79687AAAA	ESWL CE-S R18.12 PSS SERVER LICENSE	\$ 30,000.00	50%	\$ 15,000.00
3KC79689AAAA	ESWL PSS WORK ORDER LICENSE	\$ 1,000.00	50%	\$ 500.00
3KC79708AAAA	ESWL CE-S UNLIMITED PSD ANNUAL FEE	\$ 2,000.00	50%	\$ 1,000.00
3KC79709AAAA	ESWL CE-S UNLIMITED WAVELITE ANNUAL FEE	\$ 40,000.00	50%	\$ 20,000.00
3KC79710AAAA	ESWL CE-S UNLIMITED PSI ANNUAL FEE	\$ 40,000.00	50%	\$ 20,000.00
3KC79711AAAA	ESWL CE-S UNLIMITED PSS ANNUAL FEE	\$ 20,000.00	50%	\$ 10,000.00
3KC81709AA	FANM - PSI-M FAN ASSEMBLY	\$ 768.00	50%	\$ 384.00
3KC81741AA	DA2C4 100G/200G MODULE	\$ 204,800.00	50%	\$ 102,400.00
3KC81764AA	CA-PSI DC POWER CABLE (4M)	\$ 896.00	50%	\$ 448.00
3KC81770AA	PSI-M SHELF KIT (2XMEC2 5XFANM 3XBLANK)	\$ 38,400.00	50%	\$ 19,200.00
3KC81775AC	MEC2L - EQUIPT CONTROLLER HP - PSI-L	\$ 3,200.00	50%	\$ 1,600.00
3KC81780AA	PSI-M SLOT BLANK	\$ 247.00	50%	\$ 123.50
3KC81791AA	PSI-M SHELF CHASSIS	\$ 29,384.00	50%	\$ 14,692.00
3KC81801AA	DFC12E ENCRYPTION SUBSEA UNRESTRICTED	\$ 1,168,640.00	50%	\$ 584,320.00
3KC81830AA	KIT-EXT MNTG BRKTS 24-36IN MNTG RANGE	\$ 340.00	50%	\$ 170.00
3KC81868AA	DA2C4E 100G/200G MODULE WITH ENCRYPTION	\$ 204,800.00	50%	\$ 102,400.00
3KC81890AA	DFC12 TERRESTRIAL UNRESTRICTED	\$ 826,752.00	50%	\$ 413,376.00
3KC81972AA	MEC2 - PSI-M MEC2 REPLACEMENT KIT	\$ 6,400.00	50%	\$ 3,200.00
3KC82061AA	M-BLANK2 PSI-M DOUBLE WIDE BLANK	\$ 4,768.00	50%	\$ 2,384.00
3KC82164AAAA	SWP 1830PSI-M R5.0	\$ 115.00	50%	\$ 57.50
3KC82190AAAA	SWP 1830 PSI-M R4.0.5	\$ 115.00	50%	\$ 57.50
3KC82219AAAA	ESWP 1830PSI-M R5.0.4	\$ 115.00	50%	\$ 57.50
3KC82231AA	SFM6E ENCRYPTION UNRESTRICTED	\$ 375,000.00	50%	\$ 187,500.00
3KC86714AB	WAVELITE METRO 200 AND F2B FAN	\$ 46,393.60	50%	\$ 23,196.80
3KC86714BA	WAVELITE METRO 200 NE AND F2B FAN	\$ 46,393.60	50%	\$ 23,196.80
3KC86715AB	WAVELITE METRO 200 W/ OPS AND F2B FAN	\$ 50,176.00	50%	\$ 25,088.00
3KC86715BA	WAVELITE METRO 200 NE W/OPS AND F2B FAN	\$ 50,176.00	50%	\$ 25,088.00
3KC86716AB	WAVELITE ACCESS 200 AND F2B FAN	\$ 32,750.00	50%	\$ 16,375.00
3KC86716BA	WAVELITE ACCESS 200 NE AND F2B FAN	\$ 32,750.00	50%	\$ 16,375.00
3KC86724AB	WAVELITE DC PSU 400W F2B	\$ 757.02	50%	\$ 378.51
3KC86725AB	WAVELITE AC PSU 400W F2B	\$ 1,507.34	50%	\$ 753.67
3KC86727AB	WAVELITE AC PSU 120W ENH	\$ 632.00	50%	\$ 316.00
3KC86735AB	FAN UNIT WAVELITE METRO/ACCESS 200 F2B	\$ 644.41	50%	\$ 322.21
3KC86776AAAA	ESWP WL METRO 20 R1.1 APPL.	\$ 115.20	50%	\$ 57.60
3KC86781AB	BLANK FOR PSU 400W F2B	\$ 409.00	50%	\$ 204.50
3KC86813AA	SLIDING RAIL RACK MOUNTING KIT	\$ 323.32	50%	\$ 161.66
3KC86823AAAA	ESWP WL METRO/ACCESS 200 R1.3 APPL.	\$ 115.00	50%	\$ 57.50
3KC90213AA	PSILMFC MULTI-FUNCTION CARD PSI-L	\$ 5,760.00	50%	\$ 2,880.00
3KC90235AA	PSI-L 8-SLOT CHASSIS	\$ 10,880.00	50%	\$ 5,440.00
3KC90259AA	PSI-L FAN	\$ 1,024.00	50%	\$ 512.00
3KC90291AA	PSI-L 8-SLOT SHELF KIT	\$ 17,920.00	50%	\$ 8,960.00
3KC90297AA	PSILPFDC - DC POWER SUPPLY PSI-L	\$ 5,989.00	50%	\$ 2,994.50
3KC90300AA	PSI-L MEC2 CONTROLLER BLANK	\$ 122.00	50%	\$ 61.00
3KC90320AA	PSI-L 8-SLOT CABLE BRACKET ASSEMBLY	\$ 90.00	50%	\$ 45.00
3KC90328AA	PSI-L POWER SUPPLY BLANK	\$ 122.00	50%	\$ 61.00
3KC90374AA	PSI-L 8L 19IN 2-POST EIA INSTALLATION KI	\$ 426.00	50%	\$ 213.00
3KC90375AA	PSI-L 8L 23IN RACK INSTALLATION KIT	\$ 422.00	50%	\$ 211.00
3KC90395AA	PSILPFAC - AC POWER SUPPLY PSI-L	\$ 1,261.00	50%	\$ 630.50
3KC90774AB	1830 TPS-24 PWR CABLE W/GOLD PLATING	\$ 180.00	50%	\$ 90.00
3KC90818AA	CA-CS FIBER JUMPER, 420MM	\$ 115.00	50%	\$ 57.50
3KC90818AB	CA-CS FIBER JUMPER, 1.4M	\$ 115.00	50%	\$ 57.50
3KC90818AC	CA-CS FIBER JUMPER, 3.5M	\$ 125.00	50%	\$ 62.50
3KC90945AA	CA_OD N-F TO SMA-M (IP BOOT) 50OHM 0.5M	\$ 204.00	50%	\$ 102.00
3KC90946AA	CA_OD GROUNDING CABLE 0.5M	\$ 50.00	50%	\$ 25.00
3KC90970AA	GNSS ANTENNA AND MOUNTING KIT	\$ 2,117.00	50%	\$ 1,058.50
3KC90971AA	CA_OD TNC-M TO N-M 50OHM 10M	\$ 580.00	50%	\$ 290.00
3KC90971AB	CA_OD TNC-M TO N-M 50OHM 60M	\$ 1,869.00	50%	\$ 934.50
3KC90972AA	CA_OD TNC-M TO N-F 50OHM 10M	\$ 564.00	50%	\$ 282.00
3KC90973AA	RF SURGE PROTECTOR (N-F TO N-M)	\$ 130.00	50%	\$ 65.00
3KC91737AA	32EC2 CONTROLLER KIT - OLS R2.0	\$ 6,400.00	50%	\$ 3,200.00

3KC91737AB	32EC2 CONTROLLER KIT - OLS R2.1	\$ 6,400.00	50%	\$ 3,200.00
3KC91738AA	MEC2L CONTROLLER KIT - OLS R2.0	\$ 3,277.00	50%	\$ 1,638.50
3KC91738AB	MEC2L CONTROLLER KIT - OLS R2.1	\$ 3,277.00	50%	\$ 1,638.50
3KC95005AAAA	ESWL WSO - TRANSPORT - SRS	\$ 1.10	50%	\$ 0.55
3KC95006AAAA	WSO - TRANSPORT SRS (NAR ONLY)	\$ 1.00	50%	\$ 0.50
3KC95007AAAA	ESWL WSO STANDARD TRANSPORT LP	\$ 200.00	50%	\$ 100.00
3KC95008AAAA	ESWL WSO 20 STANDARD BASE	\$ 300,000.00	50%	\$ 150,000.00
3TD00011AA	XPSF8 - POWER SUPPLY FILTER PSS-8X	\$ 5,200.00	50%	\$ 2,600.00
3TD00014AA	XMFC - MULTI FUNCTION CARD	\$ 6,000.00	50%	\$ 3,000.00
3TD00019AA	20MX80 - 20 X 10/SUB 10G CLIENT	\$ 27,000.00	50%	\$ 13,500.00
3TD00026AA	20AX200 - 20 X 10G CLIENT/UPLINK	\$ 27,000.00	50%	\$ 13,500.00
3TD00030AA	XCEC8-CLOCK AND EQUIPMENT CONTROL PSS-8X	\$ 7,500.00	50%	\$ 3,750.00
3TD00055AA	XST1T6 - 1.6T OTN SWITCH FABRIC	\$ 12,000.00	50%	\$ 6,000.00
3TD00070AA	XFAN8 - FAN MODULE PSS-8X	\$ 3,800.00	50%	\$ 1,900.00
3TD00072AA	PSS8X - SHELF PSS-8X	\$ 32,000.00	50%	\$ 16,000.00
3TD00096AA	1UX100 - 1 X 100G COHERENT UPLINK	\$ 45,000.00	50%	\$ 22,500.00
3TD00123AA	IOC-BLANK	\$ 441.00	50%	\$ 220.50
3TD00124AB	XTIC-BLANK	\$ 90.00	50%	\$ 45.00
3TD00128AA	XSSC - SHELF SENSOR CARD	\$ 950.00	50%	\$ 475.00
3TD00287AA	PSS12X - SHELF PSS-12X	\$ 69,000.00	50%	\$ 34,500.00
3TD00343AA	IO SLOT DIVIDER	\$ 150.00	50%	\$ 75.00
3TD00358AA	PSS-8X SHELF KIT	\$ 39,000.00	50%	\$ 19,500.00
3TD00451AA	XFAN12 - FAN MODULE PSS-12X	\$ 6,800.00	50%	\$ 3,400.00
3TD00470AA	DUST FILTER SPARE PART PSS-8X	\$ 620.00	50%	\$ 310.00
3TD00483AA	XST4T8 - 4.8T OTN SWITCH FABRIC	\$ 18,000.00	50%	\$ 9,000.00
3TD00493AA	2UX200 - 2X100G / 1X200G COHERENT UPLINK	\$ 71,000.00	50%	\$ 35,500.00
3TD00528AA	PSS-12X SLOT DIVIDER TOOL	\$ 108.00	50%	\$ 54.00
3TD00555AA	XCEC12 - CLOCK AND EQUIP CONTROL PSS-12X	\$ 12,000.00	50%	\$ 6,000.00
3TD00579AA	4MX200 - 2X 100G/4X 40G CLIENT	\$ 38,000.00	50%	\$ 19,000.00
3TD00626AAAA	ESWL - RTU LIC 1830PSS-8X 100G CAP	\$ 12,960.00	50%	\$ 6,480.00
3TD00627AAAA	ESWL - RTU LIC 1830PSS-8X 100G CAP GMRE	\$ 8,040.00	50%	\$ 4,020.00
3TD00664AA	PSS12X - SHELF KIT PSS-12X (OTN)	\$ 81,000.00	50%	\$ 40,500.00
3TD00742AA	DUST FILTER SPARE PART PSS-12X	\$ 950.00	50%	\$ 475.00
3TD09046AA	XPSF8 - POWER SUPPLY FILTER PSS-8X ANSI	\$ 5,201.00	50%	\$ 2,600.50
3TD10013AA	RACK LAMP OUT RALED	\$ 95.00	50%	\$ 47.50
3TD10014AA	RACK LAMPS DAISY CHAIN CABLE	\$ 90.00	50%	\$ 45.00
3TD10021AA	AIR INLET ANSI PSS-8X	\$ 307.00	50%	\$ 153.50
3TD10023AA	CA - HK IN/OUT LENGHT 10 METERS	\$ 303.00	50%	\$ 151.50
3TD10023AB	CA - HK IN/OUT LENGHT 30 METERS	\$ 741.00	50%	\$ 370.50
3TD10025AA	XPSF12 - POWER SUPPLY FILTER PSS-12X	\$ 7,500.00	50%	\$ 3,750.00
3TD10030AA	CA - REMOTE ALARM CABLE	\$ 314.00	50%	\$ 157.00
3TD10040AA	ANSI SNBF RACK KIT 23IN PSS8X	\$ 1,800.00	50%	\$ 900.00
3TD10041AA	ANSI SHELF KIT (MECHA) PSS-8X	\$ 1,323.00	50%	\$ 661.50
3TD10064AA	EIA SHELF KIT 19 INCHES (MECHA)	\$ 1,323.00	50%	\$ 661.50
3TD10065AA	AIR OUTLET EIA PSS-8X	\$ 300.00	50%	\$ 150.00
3TD10078AA	KIT- EIA FRONT COVER KIT 19 INCHES	\$ 3,010.00	50%	\$ 1,505.00
3TD10126AA	ANSI SHELF KIT (MECHA) PSS-12X	\$ 8,928.00	50%	\$ 4,464.00
3TD10128AA	ANSI RACK MECHANICAL KIT	\$ 1,164.00	50%	\$ 582.00
8DG07796AA	MA-COMplete SHELF	\$ 87.00	50%	\$ 43.50
8DG07796AAAA	MECHANICAL ADAPTER GUIDE	\$ 87.00	50%	\$ 43.50
8DG08361AC	CA-INVENTORY CABLE(NAR) (0.92M),SHIELDED	\$ 81.00	50%	\$ 40.50
8DG08381AAAA	SFP / XFP EXTRACTOR	Custom Bid	0%	Custom Bid
8DG08782BA	20X1GE PACKET MODULE V2 (1S)	\$ 19,710.00	50%	\$ 9,855.00
8DG08785BA	2X10GE PACKET MODULE V2 (1S)	\$ 22,950.00	50%	\$ 11,475.00
8DG08785BAXX	2X10GE PACKET MODULE V2 (1S)	\$ 22,950.00	50%	\$ 11,475.00
8DG08935AA	KIT-MATRIX MEMORY KIT	\$ 1,480.00	50%	\$ 740.00
8DG08935AAXX	MATRIX MEMORY KIT	\$ 1,480.00	50%	\$ 740.00
8DG08936AA	MATRIX UPDATE TOOL AND INSTRUCTION KIT	\$ 424.00	50%	\$ 212.00
8DG08936AAXX	MATRIX UPDATE TOOL AND INSTRUCTION KIT	\$ 424.00	50%	\$ 212.00
8DG09195AA	ALARM PANEL	\$ 913.00	50%	\$ 456.50
8DG09216AAXX	DB9 - COAX TIMING ADAPTER AND CONNECTOR	Custom Bid	0%	Custom Bid
8DG09811AA	HSLADA-HALF SLOT ADAPTER	\$ 156.16	50%	\$ 78.08
8DG09825AA	RACK COVER 1U	\$ 128.00	50%	\$ 64.00

8DG09825AAAA	RACK COVER 1U	\$ 128.00	50%	\$ 64.00
8DG09826AA	RACK COVER 2U	\$ 135.00	50%	\$ 67.50
8DG09826AAAA	RACK COVER 2U	\$ 135.00	50%	\$ 67.50
8DG09888AA	10X10GE PACKET MODULE (1S)	\$ 99,792.00	50%	\$ 49,896.00
8DG10010AA	SHELF 5.5KW UPGRADE KIT FOR GENTRU/BYPAS	\$ 389.00	50%	\$ 194.50
8DG16694ABAA	DUST FILTER FOR NEW AIR DEFLECTOR	\$ 404.00	50%	\$ 202.00
8DG25694AAAA	KIT-16 SFP CAGE CAPS WITH FIBER PARK	\$ 59.00	50%	\$ 29.50
8DG25938AC	4X2.5G, 8X155/622M SYNC OPTICAL (REQ. SF	\$ 3,200.00	50%	\$ 1,600.00
8DG26141ABXX	1X10G SYNC OPTICAL (REQ. XFP) (1/2S)	\$ 5,368.00	50%	\$ 2,684.00
8DG59240AA	User Interface Panel	\$ 1,200.00	50%	\$ 600.00
8DG59240AAXX	USER INTERFACE PANEL	\$ 1,200.00	50%	\$ 600.00
8DG59242BA	DC POWER FILTER (70A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BAXX	DC POWER FILTER (70A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BB	DC POWER FILTER (50A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BBXX	DC POWER FILTER (50A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BC	DC POWER FILTER (30A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BCXX	DC POWER FILTER (30A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BD	DC POWER FILTER (20A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BDXX	DC POWER FILTER (20A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BE	DC POWER FILTER (60A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59242BEXX	DC POWER FILTER (60A) W/ V MONITORING	\$ 4,064.00	50%	\$ 2,032.00
8DG59243AB	High Power PSS-32 Fan Tray	\$ 3,133.00	50%	\$ 1,566.50
8DG59243ABXX	HIGH POWER PSS-32 FAN TRAY	\$ 3,133.00	50%	\$ 1,566.50
8DG59245AB	AHPHG - HPOWER HGAIN DWDM AMPLIFIER	\$ 30,011.00	50%	\$ 15,005.50
8DG59247AA	Enhanced Optical Protection Switch Pack	\$ 11,610.00	50%	\$ 5,805.00
8DG59247AAXX	ENHANCED OPTICAL PROTECTION SWITCH PACK	\$ 11,610.00	50%	\$ 5,805.00
8DG59247AB	ENHANCED OPS PACK, NON-LATCHING	\$ 14,615.00	50%	\$ 7,307.50
8DG59247ABXX	ENHANCED OPS PACK, NON-LATCHING	\$ 14,615.00	50%	\$ 7,307.50
8DG59248AA	OEM-44 CHANNEL OPTICAL MUX/DEMUX	\$ 24,567.62	50%	\$ 12,283.81
8DG59248AAXX	44 CHANNEL OPTICAL MUX/DEMUX	\$ 16,409.60	50%	\$ 8,204.80
8DG59319AB	CENTRALOFFICESHELF-PSS32,325MMDEPTH(Z25)	\$ 9,504.00	50%	\$ 4,752.00
8DG59320AA	OEM-AIR FILTER	\$ 210.00	50%	\$ 105.00
8DG59320AAXX	AIR FILTER	\$ 210.00	50%	\$ 105.00
8DG59348AA	MA- COMPLETE FRONT COVER	\$ 432.00	50%	\$ 216.00
8DG59348AAXX	CO SHELF COVER - LARGE -(PSS-32)	\$ 432.00	50%	\$ 216.00
8DG59354AA	MA-BLANK USER PANEL FACEPLATE ASSEMBLY	\$ 47.00	50%	\$ 23.50
8DG59354AAXX	USER PANEL BLANK	\$ 47.00	50%	\$ 23.50
8DG59417AA	KIT-DCM SHELF KIT (19In EIA)	\$ 513.00	50%	\$ 256.50
8DG59417AAXX	KIT-DCM SHELF KIT (19 INCH EIA)	\$ 513.00	50%	\$ 256.50
8DG59417AB	KIT-DCM SHELF KIT (ANSI/ETSI)	\$ 966.00	50%	\$ 483.00
8DG59417ABXX	KIT-DCM SHELF (ANSI/ETSI)	\$ 966.00	50%	\$ 483.00
8DG59418AA	MA-FULL SLOT BLANK	\$ 117.30	50%	\$ 58.65
8DG59418AAXX	FULL SLOT BLANK	\$ 121.60	50%	\$ 60.80
8DG59419AA	MA-HALF SLOT BLANK	\$ 86.82	50%	\$ 43.41
8DG59419AAXX	HALF SLOT BLANK	\$ 144.64	50%	\$ 72.32
8DG59420AA	MA-EQUIPMENT CONTROLLER BLANK	\$ 120.00	50%	\$ 60.00
8DG59420AAXX	EQUIPMENT CONTROLLER BLANK	\$ 99.84	50%	\$ 49.92
8DG59421AA	MA-TIMING INTERFACE BLANK	\$ 60.00	50%	\$ 30.00
8DG59421AAXX	TIMING INTERFACE BLANK	\$ 60.00	50%	\$ 30.00
8DG59423AA	DCM010 - 10km DCM	\$ 2,712.00	50%	\$ 1,356.00
8DG59423AAXX	DCM - SMF 10KM	\$ 2,712.00	50%	\$ 1,356.00
8DG59424AA	DCM020 - 20km DCM	\$ 3,042.00	50%	\$ 1,521.00
8DG59424AAXX	DCM - SMF 20KM	\$ 3,042.00	50%	\$ 1,521.00
8DG59424AB	OEM-DCM - TWRS 20 KM	\$ 9,430.20	50%	\$ 4,715.10
8DG59424ABXX	DCM - TWRS 20 KM	\$ 9,430.20	50%	\$ 4,715.10
8DG59424AC	OEM-DCM - ELEAF 20 KM	\$ 5,642.00	50%	\$ 2,821.00
8DG59424ACXX	DCM - ELEAF 20 KM	\$ 5,642.00	50%	\$ 2,821.00
8DG59425AA	DCM030 - 30km DCM	\$ 3,894.00	50%	\$ 1,947.00
8DG59425AAXX	DCM - SMF 30KM	\$ 3,894.00	50%	\$ 1,947.00
8DG59426AA	DCM040 - 40km DCM	\$ 4,417.00	50%	\$ 2,208.50
8DG59426AAXX	DCM - SMF 40KM	\$ 4,417.00	50%	\$ 2,208.50
8DG59426AB	OEM-DCM - TWRS 40 KM	\$ 11,292.60	50%	\$ 5,646.30
8DG59426ABXX	DCM - TWRS 40 KM	\$ 11,292.60	50%	\$ 5,646.30

8DG59426AC	OEM-DCM - ELEAF 40 KM	\$ 7,686.00	50%	\$ 3,843.00
8DG59426ACXX	DCM - ELEAF 40 KM	\$ 7,686.00	50%	\$ 3,843.00
8DG59427AA	DCM050 - 50km DCM	\$ 5,077.00	50%	\$ 2,538.50
8DG59427AAXX	DCM - SMF 50KM	\$ 5,077.00	50%	\$ 2,538.50
8DG59428AA	DCM060 - 60km DCM	\$ 5,772.00	50%	\$ 2,886.00
8DG59428AAXX	DCM - SMF 60KM	\$ 5,772.00	50%	\$ 2,886.00
8DG59428AB	OEM-DCM - TWRS 60 KM	\$ 12,809.30	50%	\$ 6,404.65
8DG59428ABXX	DCM - TWRS 60 KM	\$ 12,809.30	50%	\$ 6,404.65
8DG59428AC	OEM-DCM - ELEAF 60 KM	\$ 9,561.00	50%	\$ 4,780.50
8DG59428ACXX	DCM - ELEAF 60 KM	\$ 9,561.00	50%	\$ 4,780.50
8DG59429AA	DCM070 - 70km DCM	\$ 6,518.00	50%	\$ 3,259.00
8DG59429AAXX	DCM - SMF 70KM	\$ 6,518.00	50%	\$ 3,259.00
8DG59430AA	DCM080 - 80km DCM	\$ 6,167.00	50%	\$ 3,083.50
8DG59430AAXX	DCM - SMF 80KM	\$ 6,167.00	50%	\$ 3,083.50
8DG59430AB	OEM-DCM - TWRS 80 KM	\$ 14,723.30	50%	\$ 7,361.65
8DG59430ABXX	DCM - TWRS 80 KM	\$ 14,723.30	50%	\$ 7,361.65
8DG59430AC	OEM-DCM - ELEAF 80 KM	\$ 11,206.00	50%	\$ 5,603.00
8DG59430ACXX	DCM - ELEAF 80 KM	\$ 11,206.00	50%	\$ 5,603.00
8DG59431AA	OEM-DCM SSMF 90km	\$ 8,000.00	50%	\$ 4,000.00
8DG59431AAXX	DCM - SMF 90KM	\$ 8,235.00	50%	\$ 4,117.50
8DG59432AA	DCM100 - 100km DCM	\$ 8,000.00	50%	\$ 4,000.00
8DG59432AAXX	DCM - SMF 100KM	\$ 8,775.00	50%	\$ 4,387.50
8DG59432AB	OEM-DCM - TWRS 100 KM	\$ 14,094.00	50%	\$ 7,047.00
8DG59432ABXX	DCM - TWRS 100 KM	\$ 14,094.00	50%	\$ 7,047.00
8DG59432AC	OEM-DCM - ELEAF 100 KM	\$ 12,732.00	50%	\$ 6,366.00
8DG59432ACXX	DCM - ELEAF 100 KM	\$ 12,732.00	50%	\$ 6,366.00
8DG59433AA	DCM - SMF 110KM	\$ 9,319.00	50%	\$ 4,659.50
8DG59433AAXX	DCM - SMF 110KM	\$ 9,319.00	50%	\$ 4,659.50
8DG59434AA	OEM-DCM SSMF 120km	\$ 9,897.00	50%	\$ 4,948.50
8DG59434AAXX	DCM - SMF 120KM	\$ 9,897.00	50%	\$ 4,948.50
8DG59434AB	OEM-DCM - TWRS 120 KM	\$ 15,795.00	50%	\$ 7,897.50
8DG59434ABXX	DCM - TWRS 120 KM	\$ 15,795.00	50%	\$ 7,897.50
8DG59434AC	OEM-DCM - ELEAF 120 KM	\$ 14,602.00	50%	\$ 7,301.00
8DG59434ACXX	DCM - ELEAF 120 KM	\$ 14,602.00	50%	\$ 7,301.00
8DG59435AA	OEM-DCM SSMF 130km	\$ 10,511.00	50%	\$ 5,255.50
8DG59435AAXX	DCM - SMF 130KM	\$ 10,511.00	50%	\$ 5,255.50
8DG59436AA	DCM - SMF 140KM	\$ 11,163.00	50%	\$ 5,581.50
8DG59436AAXX	DCM - SMF 140KM	\$ 11,163.00	50%	\$ 5,581.50
8DG59437AA	Static Filter DWDM 5 Channel (A Variant)	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AAXX	STATIC FILTER DWDM 5 CHANNEL (A	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AB	Static Filter DWDM 5 Channel (B Variant)	\$ 10,794.00	50%	\$ 5,397.00
8DG59437ABXX	STATIC FILTER DWDM 5 CHANNEL (B	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AC	Static Filter DWDM 5 Channel (C Variant)	\$ 10,794.00	50%	\$ 5,397.00
8DG59437ACXX	STATIC FILTER DWDM 5 CHANNEL (C	\$ 8,100.00	50%	\$ 4,050.00
8DG59437AD	Static Filter DWDM 5 Channel (D Variant)	\$ 10,794.00	50%	\$ 5,397.00
8DG59437ADXX	STATIC FILTER DWDM 5 CHANNEL (D	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AE	Static Filter DWDM 5 Channel (E Variant)	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AEXX	STATIC FILTER DWDM 5 CHANNEL (E	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AF	Static Filter DWDM 5 Channel (F Variant)	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AFXX	STATIC FILTER DWDM 5 CHANNEL (F	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AG	Static Filter DWDM 5 Channel (G Variant)	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AGXX	STATIC FILTER DWDM 5 CHANNEL (G	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AH	Static Filter DWDM 5 Channel (H Variant)	\$ 10,794.00	50%	\$ 5,397.00
8DG59437AHXX	STATIC FILTER DWDM 5 CHANNEL (H	\$ 10,794.00	50%	\$ 5,397.00
8DG59441AA	Static Filter CWDM 4 Channel (A Variant)	\$ 7,054.00	50%	\$ 3,527.00
8DG59441AAXX	STATIC FILTER CWDM 4 CHANNEL (A	\$ 7,054.00	50%	\$ 3,527.00
8DG59441AB	Static Filter CWDM 4 Channel (B Variant)	\$ 7,054.00	50%	\$ 3,527.00
8DG59441ABXX	STATIC FILTER CWDM 4 CHANNEL (B	\$ 7,054.00	50%	\$ 3,527.00
8DG59442AA	Static Filter CWDM 8 Channel	\$ 9,810.24	50%	\$ 4,905.12
8DG59442AAXX	STATIC FILTER CWDM 8 CHANNEL	\$ 5,130.00	50%	\$ 2,565.00
8DG59451BA	CA-POWER CABLE, RED	\$ 468.00	50%	\$ 234.00
8DG59451BAXX	CA-POWER CABLE, RED	\$ 468.00	50%	\$ 234.00
8DG59451BB	CA-POWER CABLE, BLUE	\$ 468.00	50%	\$ 234.00

8DG59451BBXX	CA-POWER CABLE, BLUE	\$ 468.00	50%	\$ 234.00
8DG59518AB	Flex Shelf Cover - EIA	\$ 223.00	50%	\$ 111.50
8DG59518ABXX	FLEX SHELF COVER	\$ 223.00	50%	\$ 111.50
8DG59535AA	MA-1U COVER ASSY	\$ 115.00	50%	\$ 57.50
8DG59535AAXX	CO SHELF BAFFLE COVER - (PSS-32)	\$ 115.00	50%	\$ 57.50
8DG59602AA	KIT-EIA FLEX SHELF KIT (19In EIA)	\$ 1,083.00	50%	\$ 541.50
8DG59602AAXX	KIT-EIA FLEX SHELF (19 INCH EIA)	\$ 1,083.00	50%	\$ 541.50
8DG59602AB	KIT-FLEX SHELF (23In ANSI WECO)	\$ 1,535.00	50%	\$ 767.50
8DG59602ABXX	KIT-FLEX SHELF (23 INCH ANSI WECO)	\$ 1,535.00	50%	\$ 767.50
8DG59603AA	KIT-OMD INSTALLATION KIT	\$ 122.00	50%	\$ 61.00
8DG59603AAXX	KIT-OMD INSTALLATION KIT	\$ 122.00	50%	\$ 61.00
8DG59604BA	INSTALL KIT PSS32 NAR(EIA/ANSI)W/ Z25 EX	\$ 3,024.00	50%	\$ 1,512.00
8DG59613AA	KIT-TOOL KIT	\$ 870.00	50%	\$ 435.00
8DG59613AAXX	KIT-TOOL KIT	\$ 870.00	50%	\$ 435.00
8DG59614AA	MA-LC FIBER REMOVAL TOOL	\$ 90.00	50%	\$ 45.00
8DG59614AAXX	MA-LC FIBER REMOVAL TOOL	\$ 108.00	50%	\$ 54.00
8DG59642AA	MA-1830ED HALF SLOT ADAPTER	\$ 91.80	50%	\$ 45.90
8DG59642AAXX	HALF SLOT ADAPTER (FILTER SLOT)	\$ 80.00	50%	\$ 40.00
8DG59713AA	MSC - 4G DUAL PORT PLUGGABLE ANYRATE (4.	\$ 10,500.00	50%	\$ 5,250.00
8DG59713AAXX	MSC - 4G DUAL PORT PLUGGABLE ANYRATE (4	\$ 10,500.00	50%	\$ 5,250.00
8DG59720AAAA	ESWL-1830 PSS R1.0 SOFTWARE LICENSE FEE	\$ 4,000.00	50%	\$ 2,000.00
8DG59723AAAA	ESWL-WDM BLADE LICENSE POINT FEE	\$ 300.00	50%	\$ 150.00
8DG59724AA	EMA-1830 Y ADAPTER ASSEMBLY	\$ 192.00	50%	\$ 96.00
8DG59724AAXX	FOADM INVENTORY CABLE ADAPTER	\$ 192.00	50%	\$ 96.00
8DG59726AAAA	ESWL-TDM BLADE LICENSE POINT FEE	\$ 300.00	50%	\$ 150.00
8DG59727AAAA	ESWL-PHOTONICS VERS (A) ETH LP	\$ 300.00	50%	\$ 150.00
8DG59727ABAA	ESWL ETHERNET BLADE LIC. POINT FEE N-E	\$ 256.00	50%	\$ 128.00
8DG59729BAXX	CA-ETSI 1830 PWR CABLE ASSY, A FEED (3.6	\$ 592.00	50%	\$ 296.00
8DG59747AAAA	ESWL-1354 PHM R6.0 UPGRADE	\$ 19,995.00	50%	\$ 9,997.50
8DG59841AA	88 Channel Interleaver	\$ 24,624.00	50%	\$ 12,312.00
8DG59841AAXX	88 CHANNEL INTERLEAVER	\$ 12,588.80	50%	\$ 6,294.40
8DG59841AB	88 Channel Interleaver (unidirectional)	\$ 14,907.00	50%	\$ 7,453.50
8DG59841ABXX	88 CHANNEL INTERLEAVER (UNIDIRECTIONAL)	\$ 14,907.00	50%	\$ 7,453.50
8DG59857AA	44 Channel Opt. Mux/Demux - 50GHz offset	\$ 20,250.00	50%	\$ 10,125.00
8DG59857AAXX	44 CHANNEL OPTICAL MUX/DEMUX - 50GHZ OFF	\$ 16,409.60	50%	\$ 8,204.80
8DG60017AAAA	ESWL-1830PSS EPT FIRST YEAR	\$ 135,000.00	50%	\$ 67,500.00
8DG60018AAAA	ESWL-1830PSS EPT FOLLOWING YEAR	\$ 33,750.00	50%	\$ 16,875.00
8DG60129AC	PSS32 EIA/NAR COVER EXTENDER KIT	\$ 212.00	50%	\$ 106.00
8DG60129ACXX	PSS32 EIA/NAR COVER EXTENDER KIT	\$ 212.00	50%	\$ 106.00
8DG60130AA	OMD COVER KIT (EIA)	\$ 383.00	50%	\$ 191.50
8DG60130AAXX	OMD COVER KIT (EIA)	\$ 383.00	50%	\$ 191.50
8DG60130AB	OMD COVER KIT (ANSI)	\$ 383.00	50%	\$ 191.50
8DG60130ABXX	OMD COVER KIT (ANSI)	\$ 383.00	50%	\$ 191.50
8DG60130AD	SFD 44 INSTALL KIT 19IN 4-POST W-COVER	\$ 558.00	50%	\$ 279.00
8DG60131AA	DCM COVER KIT (EIA)	\$ 383.00	50%	\$ 191.50
8DG60131AAXX	DCM COVER KIT (EIA)	\$ 383.00	50%	\$ 191.50
8DG60131AB	DCM COVER KIT (ANSI)	\$ 383.00	50%	\$ 191.50
8DG60131ABXX	DCM COVER KIT (ANSI)	\$ 383.00	50%	\$ 191.50
8DG60207AAAA	ESWL-1830 PSS WAVELENGTH TRACKER SOFTWARE	\$ 5,150.00	50%	\$ 2,575.00
8DG60207ABAA	ESWL 1830PSS WL TRACKER SW LIC FEE N-E	\$ 4,883.00	50%	\$ 2,441.50
8DG60210AA	Static Filter DWDM 8 Channel (A Variant)	\$ 10,580.00	50%	\$ 5,290.00
8DG60210AAXX	STATIC FILTER DWDM 8 CHANNEL (A VARIANT)	\$ 10,580.00	50%	\$ 5,290.00
8DG60210AB	Static Filter DWDM 8 Channel (B Variant)	\$ 10,580.00	50%	\$ 5,290.00
8DG60210ABXX	STATIC FILTER DWDM 8 CHANNEL - B VARIANT	\$ 10,580.00	50%	\$ 5,290.00
8DG60210AC	Static Filter DWDM 8 Channel (C Variant)	\$ 10,580.00	50%	\$ 5,290.00
8DG60210ACXX	STATIC FILTER DWDM 8 CHANNEL (C VARIANT)	\$ 10,580.00	50%	\$ 5,290.00
8DG60210AD	Static Filter DWDM 8 Channel (D Variant)	\$ 10,580.00	50%	\$ 5,290.00
8DG60210ADXX	STATIC FILTER DWDM 8 CHANNEL (D VARIANT)	\$ 10,580.00	50%	\$ 5,290.00
8DG60227AAAA	PRE-STAGING 1830PSS-16/32 STANDARD	\$ 1,903.00	50%	\$ 951.50
8DG60227ABAA	PRE-STAGING 1830PSS-16/32 EXTRA TEST	\$ 635.00	50%	\$ 317.50
8DG60227ACAA	PRE-STAGING 1830PSS-16/32 EXTRA TEMP	\$ 1,903.00	50%	\$ 951.50
8DG60227ADAA	PRE-STAGING 1830PSS-16/32 EXTRA TIME	\$ 635.00	50%	\$ 317.50
8DG60565HA	LATENCY MATCHED AM2318A LOW VAR GAIN AMP	\$ 32,562.00	50%	\$ 16,281.00

8DG60568AA	MESH EXTENSION PACK (EXTERNAL COUPLER CA	\$ 27,005.00	50%	\$ 13,502.50
8DG60568AAXX	MESH EXTENSION PACK (EXTERNAL COUPLER CA	\$ 27,005.00	50%	\$ 13,502.50
8DG60788AA	PDU BRIDGING/JUMPER KIT	\$ 211.00	50%	\$ 105.50
8DG60788AAXX	PDU BRIDGING/JUMPER KIT	\$ 211.00	50%	\$ 105.50
8DG60912HA	LATENCY MATCHED AM2125B MED VAR GAIN AMP	\$ 32,553.00	50%	\$ 16,276.50
8DG60953AAAA	ESWL-1830 PSS APPLICATION WDM GMPLS	\$ 135.00	50%	\$ 67.50
8DG60953ACAA	ESWL 1830PSS APPLICATION WDM GMPLS N-E	\$ 128.00	50%	\$ 64.00
8DG60968AA	16GB EC FLASHCARD UPGRADE KIT (PSS-32)	\$ 1,671.00	50%	\$ 835.50
8DG60968AAXX	16GB EC FLASHCARD UPGRADE KIT (PSS-32)	\$ 1,671.00	50%	\$ 835.50
8DG61092AAAA	ESWL-1830PSS SW LICENSE WAN ACCELERATION	\$ 19,744.00	50%	\$ 9,872.00
8DG61218AAAA	ESWL-1830PSS 100GPAYG LIC CERTIFICATE 2P	\$ 69,950.00	50%	\$ 34,975.00
8DG61285AB	110PE8 -CARRIER ETHERNET MUXOT,8X10GBE/O	\$ 33,280.00	50%	\$ 16,640.00
8DG61330AA	WTOCM-F WTOCM W/ FLEX CAPABILITY	\$ 29,531.00	50%	\$ 14,765.50
8DG61406AA	MSH8-FSM MESH 8D FIBSHUF ANSI	\$ 66,832.00	50%	\$ 33,416.00
8DG61406AC	MSH8-FSM MESH 8D FIBSHUF FOC	\$ 68,070.00	50%	\$ 34,035.00
8DG61416AAAA	ESWL-KMT LICENSE PER WAVELENGTH	\$ 27,000.00	50%	\$ 13,500.00
8DG61457AAAA	ESWL-ENCRYPTION LICENSE PER PORT	\$ 81,000.00	50%	\$ 40,500.00
8DG61487AA	PSS-32 Z25 EXT. SHELF COVER	\$ 2,057.00	50%	\$ 1,028.50
8DG61510AA	TAMPER RESISTANT LABEL KIT	\$ 605.00	50%	\$ 302.50
8DG61581AA	11QCE12X-CARRIERETHRNTMUXOT4X10GBE/OTU2E	\$ 23,625.00	50%	\$ 11,812.50
8DG61839AA	WR20-TF - 1X20 TWIN FLEX WSS	\$ 168,924.00	50%	\$ 84,462.00
8DG61978AAAA	ESWL 1830PSS SWITCHED OTN NODAL SWLICUPG	\$ 750.00	50%	\$ 375.00
8DG61979AAAA	ESWL 1830CNV OTN/XOADM WT&NODAL SWLICUPG	\$ 6,000.00	50%	\$ 3,000.00
8DG61980AAAA	ESWL 1830PSS SWITCHED OTN NODAL SW LIC	\$ 10,000.00	50%	\$ 5,000.00
8DG61981AAAA	ESWL 1830 CNVG OTN/XOADM WT&NODAL SWLIC	\$ 15,000.00	50%	\$ 7,500.00
8DG61982AAAA	ESWL 1830PSS ILA/DGE WT&NODAL SW LIC UPG	\$ 375.00	50%	\$ 187.50
8DG61983AAAA	ESWL 1830PSS WDM XOADM WT&NODAL SWLICUPG	\$ 3,000.00	50%	\$ 1,500.00
8DG61984AAAA	ESWL 1830PSS ILA/DGE WT & NODAL SW LIC	\$ 5,000.00	50%	\$ 2,500.00
8DG61985AAAA	ESWL 1830PSS XOADM WT & NODAL SWLIC	\$ 7,500.00	50%	\$ 3,750.00
8DG62041AAAA	ESWL-1830PSS EPT PLUS USER 1YR	\$ 270,000.00	50%	\$ 135,000.00
8DG62145AB	MAINSHELFKIT-PSS32,HC FAN,325MDEPTH(Z25)	\$ 14,109.00	50%	\$ 7,054.50
8DG62146AB	EXTSHELF KIT-PSS32,HC FAN,325MDEPTH(Z25)	\$ 13,001.00	50%	\$ 6,500.50
8DG62367AA	1RU INSTALLATION KIT	\$ 162.00	50%	\$ 81.00
8DG62413AA	PSC1-6 - PASSIVE SPLITTER/COMBINER	\$ 17,550.00	50%	\$ 8,775.00
8DG62423AA	1RU COVER KIT	\$ 111.00	50%	\$ 55.50
8DG62445AB	IROADMV INTEGRATED ROADM BLADE W/ VG AMP	\$ 112,640.00	50%	\$ 56,320.00
8DG62471AA	20P200 - 20X10G C/L PROGRAMMABLE CARD	\$ 46,523.00	50%	\$ 23,261.50
8DG62474AA	MCS8-16 MULTICASTSWITCH 8-DEG 16-PORTS	\$ 77,432.32	50%	\$ 38,716.16
8DG62496AA	A4PSWG HYBRID AMP 4 RP + SG EDFA	\$ 154,184.00	50%	\$ 77,092.00
8DG62497AA	AAR-8A AMP ARRAY 8-AMPS	\$ 87,885.00	50%	\$ 43,942.50
8DG62498AA	ASWG AMPLIFIER, SWITCHED GAIN EDFA	\$ 69,420.00	50%	\$ 34,710.00
8DG62498AB	ASWG AMPLIFIER, SWITCHED GAIN EDFA LP	\$ 65,820.00	50%	\$ 32,910.00
8DG62498AC	ASWG AMP SWITCHED GAIN EDFA INV PORT	\$ 65,820.16	50%	\$ 32,910.08
8DG62498AD	ASWG AMP SWITCHED GAIN EDFA LP INV PORT	\$ 65,820.16	50%	\$ 32,910.08
8DG62504AA	OTDR FOR FIBER CHARACTERIZATION	\$ 55,987.20	50%	\$ 27,993.60
8DG62519AA	WR20-TFM TWIN 1X20 W/ MPO CONNECTORS	\$ 195,802.88	50%	\$ 97,901.44
8DG62635AA	32EC2 - HP EQUIPMENT CONTROLLER	\$ 4,864.00	50%	\$ 2,432.00
8DG62635CA	32EC2 - EQUIPT CONTROLLER EM - PSS16II	\$ 6,400.00	50%	\$ 3,200.00
8DG62646AA	MPO CABLE NAR (3.5M)	\$ 1,350.00	50%	\$ 675.00
8DG62646AB	MPO CABLE NAR (7M)	\$ 1,350.00	50%	\$ 675.00
8DG62646AC	MPO CABLE NAR (10M)	\$ 1,496.00	50%	\$ 748.00
8DG62646AD	MPO CABLE NAR (15M)	\$ 1,606.00	50%	\$ 803.00
8DG62665AAAA	ESWL - RTU 260SCX2 200G MODE	\$ 121,500.00	50%	\$ 60,750.00
8DG62666AAAA	ESWL - RTU 260SCX2 100G MODE	\$ 17,550.00	50%	\$ 8,775.00
8DG62684AA	MSH8-FSM INSTALL KIT	\$ 330.00	50%	\$ 165.00
8DG62685AA	MSH8-FSM COVER KIT	\$ 299.00	50%	\$ 149.50
8DG62693AA	10LC TO MPO FANOUT CABLE,MULTI-MODE,ANSI	\$ 1,248.00	50%	\$ 624.00
8DG62734AA	MPO JUMPER (180MM) NAR - MCS TO AAR	\$ 1,290.00	50%	\$ 645.00
8DG62734AB	MPO JUMPER (900MM) NAR - FOR DGE	\$ 1,301.00	50%	\$ 650.50
8DG62736AA	MPO-APC LOOPBACK JUMPER	\$ 315.00	50%	\$ 157.50
8DG62753AA	MON-OCM - LINE MONITOR USED W/WTOCM	\$ 2,194.00	50%	\$ 1,097.00
8DG62768AA	ANSI LC APC LOW-LOSS (FOR OTDR) 3.5M	\$ 42.00	50%	\$ 21.00
8DG62768AB	ANSI LC APC LOW-LOSS (FOR OTDR) 7M	\$ 46.00	50%	\$ 23.00



8DG62803AAAA	Advanced Technology Access Fee	Custom Bid	50%	#VALUE!
8DG62955AA	12CE120 - 12X10GBE/OTU2E/DWDM L2 CARD	\$ 46,080.00	50%	\$ 23,040.00
8DG62993AA	1CE100 - 1X100GBE L2 CARD	\$ 39,680.00	50%	\$ 19,840.00
8DG62993AB	1CE100Q - 1X100GBE L2 CARD	\$ 39,680.00	50%	\$ 19,840.00
8DG63026AA	AWBILA WIDE BAND IN LINE AMPLIFIER	\$ 185,897.00	50%	\$ 92,948.50
8DG63027AA	AWBING WIDE BAND INGRESS AMPLIFIER	\$ 172,459.00	50%	\$ 86,229.50
8DG63028AA	AWBEGR WIDE BAND EGRESS AMPLIFIER	\$ 179,178.00	50%	\$ 89,589.00
8DG63029AA	RA5P WIDE BAND RAMAN AMPLIFIER- 5 PUMPS	\$ 167,979.00	50%	\$ 83,989.50
8DG63029AB	RA5PB WB RAMAN AMP 5 PUMPS W/ BACK REF	\$ 180,768.00	50%	\$ 90,384.00
8DG63043AAAA	ESWL-1830PSS PAYG 10GBPS EQUIV TPD10GEQ	\$ 6,433.00	50%	\$ 3,216.50
8DG63044AAAA	ESWL-1830PSS PAYG 10GBPS TRFC LIC EQUIV	\$ 3,235.00	50%	\$ 1,617.50
8DG63068AA	OTDRWB FOR FIBER CHARACTERIZATION WIDE BAND	\$ 78,246.00	50%	\$ 39,123.00
8DG63100AA	WR20TFML TWIN X20 W/ MPO CONNECTORS L-BA	\$ 225,798.00	50%	\$ 112,899.00
8DG63101AA	MCS8-16L MULTICASTSWITCH 8DEG16 PORTS L-	\$ 87,349.00	50%	\$ 43,674.50
8DG63102AA	WTOCM-FL - WTOCM W/ FLEX CAPABILITY L-B	\$ 45,000.00	50%	\$ 22,500.00
8DG63207AA	S13X100R 100G MUX//XPDR/UPLINK (REGIONAL	\$ 320,000.00	50%	\$ 160,000.00
8DG63207AC	S13X100L 100G MUX/XPDR/UPLINK L-BAND	\$ 379,521.00	50%	\$ 189,760.50
8DG63211AA	130SCUPH 100G UPLINK, FLEX COHERENT	\$ 307,200.00	50%	\$ 153,600.00
8DG63235AAAA	1830PSS-CPB R8.0.0 DVD	\$ 99.00	50%	\$ 49.50
8DG63245BA	9CH TRANSLATION LINE UNIT(TLU-RACKMOUNT)	\$ 6,593.00	50%	\$ 3,296.50
8DG63247BA	OPTICAL SUPERVISOR UNIT(OSU)	\$ 6,646.00	50%	\$ 3,323.00
8DG63249BA	9CH PMU (UPPER BAND)	\$ 11,644.00	50%	\$ 5,822.00
8DG63249BB	9CH PMU (LOWER BAND)	\$ 12,592.00	50%	\$ 6,296.00
8DG63249BC	9CH PMU WITH POWER MONITORING(UPPERBAND)	\$ 17,150.00	50%	\$ 8,575.00
8DG63249BD	9CH PMU WITH POWER MONITORING(LOWERBAND)	\$ 17,200.00	50%	\$ 8,600.00
8DG63264AA	MON-OTDR SIGNAL FILTERING CARD	\$ 3,300.00	50%	\$ 1,650.00
8DG63307AA	TLU/ OSU FAN UNIT	\$ 600.00	50%	\$ 300.00
8DG63322AA	TLU/ OSU FAN DUST FILTER	\$ 200.00	50%	\$ 100.00
8DG63365AA	MPO APC SHORT JUMPER-NAR,180MM	\$ 648.00	50%	\$ 324.00
8DG63365AB	MPO APC SHORT JUMPER-NAR,900MM	\$ 650.00	50%	\$ 325.00
8DG63365AC	MPO-MPO APC JUMPER-NAR (3.5M)	\$ 650.00	50%	\$ 325.00
8DG63365AD	MPO-MPO APC JUMPER-NAR (7M)	\$ 685.00	50%	\$ 342.50
8DG63365AE	MPO-MPO APC JUMPER-NAR (10M)	\$ 715.00	50%	\$ 357.50
8DG63365AF	MPO-MPO APC JUMPER-NAR (15M)	\$ 788.00	50%	\$ 394.00
8DG63373AAAA	SINGLECODE/MULTIPLEQTY PACK INSTRUCTION	\$ 128.00	50%	\$ 64.00
8DG63373ABAA	SINGLECODE/SINGLEQTY PACK INSTRUCTION	\$ 128.00	50%	\$ 64.00
8DG63373ADAA	BUNDLED HARDWARE PACKAGING INSTRUCTIONS	\$ 128.00	50%	\$ 64.00
8DG63526BA	4CH TLU/PMU UPPER BAND A (1471..1531)	\$ 13,166.00	50%	\$ 6,583.00
8DG63526BB	4CH TLU/PMU UPPER BAND B (1551..1611)	\$ 13,166.00	50%	\$ 6,583.00
8DG63526BC	4CH TLU/PMU LOWER BAND A (1271..1331)	\$ 13,166.00	50%	\$ 6,583.00
8DG63526BD	4CH TLU/PMU LOWER BAND B (1351..1411)	\$ 13,166.00	50%	\$ 6,583.00
8DG63541BA	1830VWM 1RU TYPE 1 19IN RACK MOUNT BRKT	\$ 320.00	50%	\$ 160.00
8DG63541BC	1830VWM 1RU TYPE 1 23IN WECO RK MT BRKT	\$ 156.00	50%	\$ 78.00
8DG63541BD	1830VWM 1RU TYPE 1 23IN EIA RK MT BRKT	\$ 363.00	50%	\$ 181.50
8DG63541BE	PMU 19 IN RACK MOUNT	\$ 156.00	50%	\$ 78.00
8DG63541BG	PMU 23IN EIA/WECO RACK MOUNT BRACKET	\$ 156.00	50%	\$ 78.00
8DG63541CH	1830 VWM 1RU TYPE 2 19 IN RACK MNT BRCKT	\$ 210.00	50%	\$ 105.00
8DG63541CK	1830 VWM 1RU TYPE 2 23IN WECO RK MNT BKT	\$ 150.00	50%	\$ 75.00
8DG63541CL	1830 VWM 1RU TYPE 2 23IN EIA RK MNT BKT	\$ 270.00	50%	\$ 135.00
8DG63560AA	TLU/PMU/OSU ETHERNET CABLE (SHORT)	\$ 61.60	50%	\$ 30.80
8DG63561AA	TLU/PMU FIBER JUMPER (280MM)	\$ 99.30	50%	\$ 49.65
8DG63561AB	OPT CABLE ASSY, SM, DUPLEX LC, 420MM	\$ 41.60	50%	\$ 20.80
8DG63561AC	OPT CABLE ASSY, SM, DUPLEX LC, 1.4M	\$ 43.50	50%	\$ 21.75
8DG63561AD	OPT CABLE ASSY, SM, DUPLEX LC, 3.5M	\$ 45.80	50%	\$ 22.90
8DG63562AA	TLU/PMU FIBER JUMPER (230MM)	\$ 99.30	50%	\$ 49.65
8DG63570AB	1830VWM TLU/PMU/OSU DC INTERCONT PWR CBL	\$ 68.00	50%	\$ 34.00
8DG63582AAAA	ESWL - RTU 1UD200 200G MODE	\$ 132,000.00	50%	\$ 66,000.00
8DG63585AA	OPSFLEX OPTCL PROT SWITCH FLEX GRID	\$ 11,136.00	50%	\$ 5,568.00
8DG63616AA	DC POWER CABLE PSI	\$ 244.00	50%	\$ 122.00
8DG63726AA	MSH4-FSB FLEX STACKABLE FIBSHUF	\$ 27,136.00	50%	\$ 13,568.00
8DG63748AA	ATTENUATOR VALUE TBD UPON LINK TEST	\$ 116.00	50%	\$ 58.00
8DG63767AA	AAR2X8A AMP ARRAY 8-AMPS 2XMCS	\$ 150,636.00	50%	\$ 75,318.00
8DG63768AA	AAR2X8AL AMP ARRAY 8AMPS L-BAND 2XMCS	\$ 176,793.00	50%	\$ 88,396.50

8DG63780AAAA	ESWL - RTU 100G CAP HIGH CAPACITY	\$ 240,000.00	50%	\$ 120,000.00
8DG63781AAAA	ESWL - RTU 100G CAP EXTENDED REACH	\$ 375,000.00	50%	\$ 187,500.00
8DG63824AA	4CH TLU/PMU BRACKET KIT(POLE/WALL)	\$ 1,040.00	50%	\$ 520.00
8DG63829AA	4CH TLU/PMU CARRYESSES HANDLE KIT	\$ 208.00	50%	\$ 104.00
8DG63846AA	SUBBLTX - SUB LINE LOADING TRANSMITTER	\$ 448,862.00	50%	\$ 224,431.00
8DG63857AA	4CH TLU/PMU 12M AC NA POWER CABLE	\$ 624.00	50%	\$ 312.00
8DG63858AA	4CH TLU/PMU 12M AC EU POWER CABLE	\$ 624.00	50%	\$ 312.00
8DG63860AA	4CH TLU/PMU 12M DC POWER CABLE	\$ 624.00	50%	\$ 312.00
8DG63873AB	CONNECTOR KIT,1830VWM FULLAXS EXTENDED	\$ 375.00	50%	\$ 187.50
8DG63923AAAA	ESWL-1830VWM BLADE LICENSE POINT FEE	\$ 270.00	50%	\$ 135.00
8DG63940AA	SUBBLTX - FAN TRAY	\$ 9,244.00	50%	\$ 4,622.00
8DG63941AA	SUBBLTX - AIR FILTER	\$ 202.00	50%	\$ 101.00
8DG63950AA	D5X500L 500G MUX/UL,5CL,UNLOCKED(L-BAND)	\$ 1,099,338.00	50%	\$ 549,669.00
8DG63973AA	IROADM9R REGIONAL 9D ROADM SWG AMP	\$ 199,680.00	50%	\$ 99,840.00
8DG63973AB	IROADM9R REGIONAL 9D ROADM SWG AMP LP	\$ 199,680.00	50%	\$ 99,840.00
8DG63974AA	9CH TLU WITH MONITORING	\$ 9,830.00	50%	\$ 4,915.00
8DG63985AA	D5X500Q 500G MUX/UPLINK, 5CL, UNLOCKED	\$ 845,645.00	50%	\$ 422,822.50
8DG63990AG	DMP005 - DCM - POSITIVE 5 KM	\$ 3,622.00	50%	\$ 1,811.00
8DG63991AG	DMP010 - DCM - POSITIVE 10 KM	\$ 3,803.00	50%	\$ 1,901.50
8DG63992AG	DMP015 - DCM - POSITIVE 15 KM	\$ 3,984.00	50%	\$ 1,992.00
8DG63993AG	DMP020 - DCM - POSITIVE 20 KM	\$ 4,165.00	50%	\$ 2,082.50
8DG63994AG	DMP025 - DCM - POSITIVE 25 KM	\$ 4,346.00	50%	\$ 2,173.00
8DG63995AG	DMP030 - DCM - POSITIVE 30 KM	\$ 4,527.00	50%	\$ 2,263.50
8DG63996AG	DMP035 - DCM - POSITIVE 35 KM	\$ 4,708.00	50%	\$ 2,354.00
8DG63997AG	DMP040 - DCM - POSITIVE 40 KM	\$ 4,889.00	50%	\$ 2,444.50
8DG64015AA	OPS OPTICAL SWITCHING MODULE (OSM)	\$ 7,280.00	50%	\$ 3,640.00
8DG64029AA	OPTICAL PROTECTION SWITCH (OPS) SYESESST	\$ 16,640.00	50%	\$ 8,320.00
8DG64098AA	12CE121 - 12X10GBE/1GBE L2 CARD	\$ 39,040.00	50%	\$ 19,520.00
8DG64137AA	RA2P-96 2-PUMP RMN 96CH NO MID-STG ACCES	\$ 49,710.00	50%	\$ 24,855.00
8DG64184AB	OTDRM -METRO OTDR FIBER CHARACTERIZATION	\$ 46,948.00	50%	\$ 23,474.00
PSS8KITB	PSS8 SHELF KIT-B W/EC, ANGLE PWR CABLES	\$ 21,021.00	50%	\$ 10,510.50

End of WMD Catalog Pricing

SCHEDULE B- PRICING

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

Contract # 18000000497

NM **NOKIA**

CODE / PN	PRODUCT / DESCRIPTION	COMMENTS	MPL (GLP) \$USD
3HE1668AA	NSP Automation Package: Activation package for NSP Analytics Off-the-shelf Network and Service reports. Includes activation of data collection for non OAM reports, data import and aggregation. Validated OAM design and nodal implementation is a pre-requisite for OAM reports. Price per report.	Price per report	Custom Bid
3HE16680AA	NSP Automation Package: Service provisioning via router port interconnection with diversity constraints: <ul style="list-style-type: none"> <li>• Link Layer Interconnect of router ports</li> <li>• Diversity constraints</li> <li>• Multiple realizations possible via router port to router port, LAG group and GMPLS UNI</li> <li>• Ready for multi-vendor</li> </ul>	Price per NSP Instance	Custom Bid
3HE16679AA	NSP Automation Package: Router spare ports can be assigned to protection groups for failure restoration (1:N) against any link failures: <ul style="list-style-type: none"> <li>• Router port</li> <li>• Optical client port</li> <li>• Link between router and optical switch</li> </ul>	Price per NSP Instance	Custom Bid
3HE16669AA	NSP Automation Package: Automated optimize based on real-time dynamics collected from the network Using NSP for collecting LSP B/W utilization (gRPC for RSVP-TE and flow for SR-TE) and link latency values (TWAMP or ICMP Ping)	Price per NSP Instance	Custom Bid
3HE16664AA	NSP Automation Package: This use case enables OAM capabilities to allow operators to detect and isolate faults to maintain service availability and measure quality of service attributes such as delay, jitter and packet loss. It includes the development of OAM adaptors and the configuration of OAM test policies for all required nodes.	Price per NSP Instance	Custom Bid
3HE16663AA	NSP Automation Package: This use case delivers telemetry (gRPC) and data collection (snmp/accounting stats) for Nokia SR OS (Classic or MD management) and multi-vendor nodes (optional). It includes the development of adaptors and configuration of telemetry subscription / stats policies for all required nodes.	Price per NSP Instance	Custom Bid
3HE16360AA	NSP Automation Package: NE upgrade operation for multiple nodes	Price per NSP Instance	Custom Bid
3HE16359AA	NSP Automation Package: This use case suite provides closed loop use cases which can be used expand the network resources with the utilization growth. The scope of the use cases in this suite is for Nokia only. For any integration with 3rd party equipment requires Nokia evaluation for scoping purposes. Essentially, there are two variant of this use case: a) Dynamic LAG expansion: In this variant, NSP automatically discovers the links that exceeds a pre-defined threshold. For the detected links, NSP can select a free port, configure the port to meet the current LAG specification and then add the port to the LAG. The solution can send a notification via email to request the L0/L1 configuration or integrated with an operator in house tool to do the configuration automatically. b) Card expansion: In this variant, NSP can analyse the usage of the ports in the network on a node by node basis to determine if any node is going to be out of port capacity. The ports are analysed on a per type basis. If ports of certain type are below a pre-defined threshold, NSP can trigger an action for an operator to order/install new cards. As a last action, NSP can automatically configure the card configuration once the card is installed	Price per NSP Instance	Custom Bid
3HE16358AA	NSP Automation Package: Migrate services from LDP to RSVP-TE &/or SR-TE tunnels	Price per NSP Instance	Custom Bid
3HE16356AA	NSP Automation Package: NE backup operation for multiple nodes	Price per NSP Instance	Custom Bid
3HE16355AA	NSP Automation Package: Automatic provisioning of regular operations such as: <ul style="list-style-type: none"> <li>- New card</li> <li>- Bind of a new port to an existing L3 VPN</li> <li>- Creation of LAG and assignment of network ports</li> <li>- Creation of new SSH users</li> <li>- Password resets</li> <li>- Enable IP/MPLS</li> <li>- Deploy new protocols</li> </ul> Bulk operations enablement via file-based input	Price per NSP Instance	Custom Bid
3HE16354AA	NSP Automation Package: This use case automates the configuration of an NE after initial commissioning of a device. Note that the network element must be discovered in NSP as a pre-requisite to start the Day 1 configuration. This use case can be executed automatically after Day 0 configuration has been applied (for NEs supporting ZTP) or manually for other Nokia NEs (7210, 7705 nodes) or multi-vendor devices.	Price per NSP Instance	Custom Bid
3HE16353AA	NSP Automation Package: Network Element commissioning automation Discovery through NSP MD and classical mediation NSP would be the "Source of Truth" for the NE configurations.. Delivery mechanism to push configurations to a file server for the NE to pull the initial configuration Automated addition of NEs into the Discovery profiles. Automated DHCP configurations Allows identifying the NEs that have been automatically commissioned Performed during initial activation of the device (once in the lifetime of an NE)	Price per NSP Instance	Custom Bid
3HE16352AA	NSP Automation Package: This use case includes operations performed on service objects. This use case requires custom workflow development and may require adaptor development (Nokia SR OS MD mode or multi-vendor NE).  The use cases included in this suite are as follow <ul style="list-style-type: none"> <li>• Bandwidth on demand for service endpoint</li> <li>• Bandwidth calendaring for service endpoint</li> <li>• Business Internet service</li> </ul> Bandwidth on demand enables an operator to change the BW of a service which is typically achieved by applying a different QoS policy.  Bandwidth calendaring for a service is used to enable a different BW for a certain time period. An example application of this UC is in financial sector where more BW may be needed for last days of the month. BW calendaring can also be setup for certain hours of the day (peak hours)  Business internet service may be a simple one like an L3 interface or may require to provision a 3rd party device for E2E configuration	Price per NSP Instance	Custom Bid
3HE16351AA	NSP Automation Package: Service lifecycle automation for Composite services.	Price per NSP Instance	Custom Bid
3HE16345AA	NSP Automation Package: Discovery of existing E-Line, C-Line, E-LAN, L3 VPN, IES services using NSP Mediation layer Available for SROS. May require development for 3rd party IP (check NSP adaptor availability) May require augmented SF template (Blueprint to be developed)	Price per NSP Instance	Custom Bid
3HE16252BA	The NSP Platform Base is mandatory (quantity one) for all deployments of NSP (Operations, Programming and Control suites). It includes the core nspOS software components. It does NOT include a user interface, web applications, or any network mediation.  For mediation, you must choose at least ONE of the following feature packages: (1) Classic Management, (2) Pluggable Network Adaptation or (3) Control and Visualization Starter feature packages.  In a high availability or disaster recovery deployment for the Operations and/or Programming suite, buy the High Availability feature package.	This P/N is associated with a Lic. Key.	\$80,000.00

3HE16008AA	<p>The NSP Transport Slice Operations feature package provides web-based views and tools for provisioning of 5G transport slices with visualization and assurance of 5G transport slices across the managed network elements.</p> <p>Provides and extends the NSP North bound REST API and includes integration with nspOS software components.</p> <p>Requires the NSP Platform Base and either the NSP Classic management and/or the NSP Pluggable Network Adaptation feature packages.</p> <p>On a new license or when adding a feature package to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00
3HE11815GA	<p>NSP 20 Classic Management Extended Software Support License</p> <p>Order quantity 1 (ONE) per NE requiring extended NE Software Support. Please refer to the NSP Compatibility Guide for the supported list of NEs.</p>	This P/N is associated with a Lic. Key.	\$10,000.00
8DG43280AAAA	<p><b>NFM-T (only)</b> North America Region Software Release Subscription (SRS)</p> <p>This P/N is only to be used for customers in the North America Region (NAR) where event billings are required.</p> <p>As of NSP 17, the annual SRS is now mandatory.</p>	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
8DG43056AAAA	<p><b>NFM-T (only)</b> Software Release Subscription (SRS)</p> <p>As of NSP 17, the annual SRS is now mandatory.</p>	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3KC95008AAAA	<p>WaveSuite Optimizer (WSO) R20 Standard Base Product License.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$320,652.00
3KC95007AAAA	<p>WaveSuite Optimizer (WSO) Standard License Point.</p> <p>Order this part number to receive the WSO Standard License Point.</p> <p>Please refer to the WSO Equipping Options to calculate quantity of license points.</p>	This P/N is associated with a Lic. Key.	\$213.77
3KC95006AAAA	<p><b>(WSO only)</b> North America Region Software Release Subscription (SRS)</p> <p>This P/N is only to be used for customers in the North America Region (NAR) where event billings are required.</p> <p>As of NSP 17, the annual SRS is now mandatory.</p>	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3KC95005AAAA	<p><b>(WSO only)</b> Software Release Subscription (SRS)</p> <p>As of NSP 17, the annual SRS is now mandatory.</p>	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3KC76635AAAA	<p>Network Resource Controller-Transport (NRC-T) R20 Standard Base Product License.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$320,652.00
3KC76625AAAA	<p>Network Resource Controller-Transport (NRC-T) R18 Standard Base Product License.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$415,660.00
3KC76617AAAA	<p>Network Resource Controller - Transport (NRC-T) Standard License Point.</p> <p>Order this part number to receive the NRC-T Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p>	This P/N is associated with a Lic. Key.	\$118.76
3KC76617AAAA	<p>Network Resource Controller - Transport (NRC-T) Standard License Point.</p> <p>Order this part number to receive the NRC-T Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p>	This P/N is associated with a Lic. Key.	\$118.76
3KC76617AAAA	<p>Network Resource Controller - Transport (NRC-T) Standard License Point.</p> <p>Order this part number to receive the NRC-T Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p>	This P/N is associated with a Lic. Key.	\$118.76
3KC76617AAAA	<p>Network Resource Controller - Transport (NRC-T) Standard License Point.</p> <p>Order this part number to receive the NRC-T Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p>	This P/N is associated with a Lic. Key.	\$118.76
3KC76617AAAA	<p>Network Resource Controller - Transport (NRC-T) Standard License Point.</p> <p>Order this part number to receive the NRC-T Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p>	This P/N is associated with a Lic. Key.	\$118.76
3KC76611AAAA	<p><b>NRC-T (only)</b> North America Region Software Release Subscription (SRS)</p> <p>This P/N is only to be used for customers in the North America Region (NAR) where event billings are required.</p> <p>As of NSP 17, the annual SRS is now mandatory.</p>	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3KC76610AAAA	<p><b>NRC-T (only)</b> Software Release Subscription (SRS)</p> <p>As of NSP 17, the annual SRS is now mandatory.</p>	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid

3KC73716AAAA	Network Functions Manager-Transport (NFM-T) Standard Base Product License for Application only configs. This is where RHEL is not distributed as embedded and customer provides own RHEL OS. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$83,132.00
3KC73669AAAA	Network Functions Manager-Transport (NFM-T) Standard Base Product License. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$83,132.00
3KC73641AAAA	Network Functions Manager- Transport (NFM-T) High Availability License Point. Order this part number to receive the NFM-T High Availability License Point. <b>NOTE- The order qty. is equal to the NFM-T Standard License Point value.</b>	This PN is associated with a Lic. Key.	\$23.75
3KC73641AAAA	Network Functions Manager- Transport (NFM-T) High Availability License Point. Order this part number to receive the NFM-T High Availability License Point. <b>NOTE- The order qty. is equal to the NFM-T Standard License Point value.</b>	This PN is associated with a Lic. Key.	\$23.75
3KC73641AAAA	Network Functions Manager- Transport (NFM-T) High Availability License Point. Order this part number to receive the NFM-T High Availability License Point. <b>NOTE- The order qty. is equal to the NFM-T Standard License Point value.</b>	This PN is associated with a Lic. Key.	\$23.75
3KC73640AAAA	Network Functions Manager- Transport (NFM-T) Standard License Point. Order this part number to receive the NFM-T Standard License Point. Please refer to the LIBRA Catalogue. <b>NOTE- If you have High Availability, you will also need to purchase the same value of the High Availability License Points, reference P/N# 3KC73609AAAA.</b>	This /N is associated with a Lic. Key.	\$118.76
3KC73640AAAA	Network Functions Manager- Transport (NFM-T) Standard License Point. Order this part number to receive the NFM-T Standard License Point. Please refer to the LIBRA Catalogue. <b>NOTE- If you have High Availability, you will also need to purchase the same value of the High Availability License Points, reference P/N# 3KC73609AAAA.</b>	This /N is associated with a Lic. Key.	\$118.76
3KC73640AAAA	Network Functions Manager- Transport (NFM-T) Standard License Point. Order this part number to receive the NFM-T Standard License Point. Please refer to the LIBRA Catalogue. <b>NOTE- If you have High Availability, you will also need to purchase the same value of the High Availability License Points, reference P/N# 3KC73609AAAA.</b>	This /N is associated with a Lic. Key.	\$118.76
3KC73639AAAA	Network Functions Manager-Transport (NFM-T) Standard Base Product License. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$83,132.00
3KC73612AAAA	Network Service Platform Transport Additional 2 CPU subscription for the embedded OS. Order this part number if NFM-T deployment requires more than 2 CPUs. One instance for each additional 2 CPUs should be ordered. Example configs where additional CPUs may require to be ordered are : 1. Deployment on a 4 CPU server 2. Deployment on distributed config of multiple servers for large systems	This P/N is associated with a Lic. Key.	\$665.06
3KC73612AAAA	Network Service Platform Transport Additional 2 CPU subscription for the embedded OS. Order this part number if NFM-T deployment requires more than 2 CPUs. One instance for each additional 2 CPUs should be ordered. Example configs where additional CPUs may require to be ordered are : 1. Deployment on a 4 CPU server 2. Deployment on distributed config of multiple servers for large systems	This P/N is associated with a Lic. Key.	\$665.06
3KC73612AAAA	Network Service Platform Transport Additional 2 CPU subscription for the embedded OS. Order this part number if NFM-T deployment requires more than 2 CPUs. One instance for each additional 2 CPUs should be ordered. Example configs where additional CPUs may require to be ordered are : 1. Deployment on a 4 CPU server 2. Deployment on distributed config of multiple servers for large systems	This P/N is associated with a Lic. Key.	\$665.06
3KC73611AAAA	Network Service Platform Transport 4VCPU Database Enhancement. Order this part number if PLM have determined that the NFM-T config requires more than 4 VCPUs to be allocated to Oracle processing. This should normally only be required for configs with highly intensive performance monitoring processing.	This P/N is associated with a Lic. Key.	\$11,876.00
3KC73611AAAA	Network Service Platform Transport 4VCPU Database Enhancement. Order this part number if PLM have determined that the NFM-T config requires more than 4 VCPUs to be allocated to Oracle processing. This should normally only be required for configs with highly intensive performance monitoring processing.	This P/N is associated with a Lic. Key.	\$11,876.00
3KC73611AAAA	Network Service Platform Transport 4VCPU Database Enhancement. Order this part number if PLM have determined that the NFM-T config requires more than 4 VCPUs to be allocated to Oracle processing. This should normally only be required for configs with highly intensive performance monitoring processing.	This P/N is associated with a Lic. Key.	\$11,876.00
3HE16982AA	This use case provides the customization of alarm correlation rules for the Fault Management application in the Network Infrastructure Package. NSP ships with a set of correlation rules for SROS and Nokia Optical NE's managed via the classic interfaces. This UC allows the customer to provide customized correlation rules that supersede the standard set. NSP does not ship with any correlation rules for MD SROS and MV NE's. This UC allows for the development of correlation rules for these devices. The use case covers the development of 10 custom correlation rules.	Price per Qty. 10 custom correlation rules.	\$60,000
3HE16980BA	On line support for customers who develop their own automation artifacts and adaptors, or do their own OSS/API integration work. Automation Artifacts supported as part of this service: WFM, Intent Manager (future), XML Scripts, MV Adaptors. APIs supported: REST, RESTConf, Kafka. Premium service includes assignment of a dedicated SME.	Price per month	\$25,000
3HE16980AA	On line support for customers who develop their own automation artifacts and adaptors, or do their own OSS/API integration work. Automation Artifacts supported as part of this service: WFM, Intent Manager (future), XML Scripts, MV Adaptors. APIs supported: REST, RESTConf, Kafka.	Price per month	\$18,000

3HE16891AA	5 day training: 2 day intro: architecture review and best practices, 3 days focused on customer requested single custom topic related to the development of automation artifacts or APIs Custom topics can be selected at the time of service ordering and captured in the proposal, Delivery is remote Scope of training: development of automation artifacts using WFM, MV Adaptor framework, Intent Manager (future) or REST/RESTCONF/KAFKA APIs Class size of up to 10 people Remote instance of training software provided per attendee via Nokia cloud	Price per month	\$35,000
3HE16801AA	Defines the total number of Core Slices to be allowed to be activated by the solution.	This P/N is associated with a Lic. Key.	\$80,000
3HE16800AA	Virtual Networks Orchestration (VNO) Slice Library - URLLC slice library VNO Right to Use URLLC Library. Up to 2 Slice subnetwork designs included.  Specific slice library that contains all the Network Slice Subnet templates (NSSTs) needed to fulfill Use Cases for a particular slice type. E.g "hard" slice with all PaCo components (AMF,SMF,UPF) dedicated per slice or "soft" slice where AMF is shared and SMF/UPF dedicated. Up to 2 slice subnet designs included in base offer. Additional slice designs outside initial scope should be quoted separately.	This P/N is associated with a Lic. Key.	\$350,000
3HE16799AA	Virtual Networks Orchestration (VNO) Slice Library - mMTC slice library VNO Right to Use mMTC Library. Up to 2 Slice subnetwork designs included.  Specific slice library that contains all the Network Slice Subnet templates (NSSTs) needed to fulfill Use Cases for a particular slice type. E.g "hard" slice with all PaCo components (AMF,SMF,UPF) dedicated per slice or "soft" slice where AMF is shared and SMF/UPF dedicated. Up to 2 slice subnet designs included in base offer. Additional slice designs outside initial scope should be quoted separately.	This P/N is associated with a Lic. Key.	\$350,000
3HE16798AA	Virtual Networks Orchestration (VNO) Slice Library - EMBB slice library VNO Right to Use EMBB Library. Up to 2 Slice subnetwork designs included.  Specific slice library that contains all the Network Slice Subnet templates (NSSTs) needed to fulfill Use Cases for a particular slice type. E.g "hard" slice with all PaCo components (AMF,SMF,UPF) dedicated per slice or "soft" slice where AMF is shared and SMF/UPF dedicated. Up to 2 slice subnet designs included in base offer. Additional slice designs outside initial scope should be quoted separately.	This P/N is associated with a Lic. Key.	\$350,000
3HE16684AA	Custom Automation Service Delivery. Recommended price provided by Services + NA Practice Team.		
3HE16683BA	Optical Adaptor to manage Multivendor Optical Controllers	Price per MV Node/Release/Adaptor Type	\$300,000
3HE16683AA	IP Adaptor to manage Multivendor Routers/Switches. One adaptor required per node type/release/application type. Application types include: Service Fulfillment (NSP20 Service Activation and Configuration), Network Supervision + Fault Management (NSP 20 Network Infrastructure Management), Telemetry (NSP20 Platform), Analytics, Modelled Device Configurator.	Price per MV Node/Release/Adaptor Type	\$110,000
3HE16681AA	NSP Automation Package: This use case allows to simulate the failure of a physical link in the network, which then allows the user to assess the impact of the failure.	Price per NSP Instance	Custom Bid
3HE16678AA	NSP Automation Package: This use case is similar to the Path Placement and Optimization Link Maintenance Control. In this case, a user can put an Optics link under maintenance and the NSP will automatically compute which IP services and IP links/LSPs are riding on that Optics link, reroute the LSPs to avoid the traffic impact. NSP coordinates the maintenance execution between Path Placement and Optimization and NRC-T.	Price per NSP Instance	Custom Bid
3HE16677AA	NSP Automation Package: Cross-layer path diversity verification, allowing for the generation of audit reports indicating the diversity of IP services based upon optical SRLGs. Additionally, there is a passive analysis and correlation of optical, IP and services topology.	Price per NSP Instance	Custom Bid
3HE16676AA	NSP Automation Package: This use case enables IP/Optical cross-layer awareness. It requires the previous use case. Two scenarios are supported:  • NSP Path Control and Optimization imports optical SRLGs to provide better resiliency  • Latency correlation allows NSP Path Control and Optimization to learn optical latency from NRC-T to make latency sensitive routing decisions	Price per NSP Instance	Custom Bid
3HE16675AA	NSP Automation Package: This use case provides the automatic discovery and visualization of the IP/Optical multi-layer network topology.  This use discovers the following topological components:  • IP/Optical NEs • Cross domain links • Optical services (OCH/ODU)  The cross domain links between routers and optical switches are discovered based on: • LLDP Snooping 802.1ab standard for LLDP implementation, Inter-router/switch discovery protocol • Traffic Correlation NSP multi-layer correlation engine derives topology from LLDP data, Non-LLDP nodes types can be pattern correlated with proprietary Nokia method	Price per NSP Instance	Custom Bid
3HE16674CA	NSP Automation Package: Custom reports - large - tailored to customers. Complexity category analyses to be requested via form "Request Custom Analytics Report" on <a href="https://nokia.sharepoint.com/sites/NetworkAutomationPractice">https://nokia.sharepoint.com/sites/NetworkAutomationPractice</a> . Price per report. No Multi vendor support.	Price per report	Custom Bid
3HE16674BA	NSP Automation Package: Custom reports - medium - tailored to customers. Complexity category analyses to be requested via form "Request Custom Analytics Report" on <a href="https://nokia.sharepoint.com/sites/NetworkAutomationPractice">https://nokia.sharepoint.com/sites/NetworkAutomationPractice</a> . Price per report. No Multi vendor support.	Price per report	Custom Bid
3HE16674AA	NSP Automation Package: Custom reports - small - tailored to customers. Complexity category analyses to be requested via form "Request Custom Analytics Report" on <a href="https://nokia.sharepoint.com/sites/NetworkAutomationPractice">https://nokia.sharepoint.com/sites/NetworkAutomationPractice</a> . Price per report. No Multi vendor support.	Price per report	Custom Bid
3HE16673AA	NSP Automation Package: Activation package for NSP Analytics Off-the-shelf Application Assurance reports. Includes activation of data import and aggregation rules. AA configuration is not included. Price per report.	Price per report	Custom Bid
3HE16670AA	NSP Automation Package: Custom reports - via NSP Analytics ad-hoc report builder - tailored to customers. Complexity category analyses to be requested via form "Request Custom Analytics Report" on <a href="https://nokia.sharepoint.com/sites/NetworkAutomationPractice">https://nokia.sharepoint.com/sites/NetworkAutomationPractice</a> . Price per report. No Multi vendor support.	Price per report	Custom Bid
3HE16667AA	NSP Automation Package: A planner can compute the LSP paths offline by providing different path constrains such link metric, latency, SRLG changes and technology support options (RSVP/SR enabled). The offline simulation extracts the topology, state and configuration details from NSP.	Price per NSP Instance	Custom Bid
3HE16666AA	NSP Automation Package: Path selection based on symmetrical, diverse, IGP Cost, Hops, Latency (Static) and reserved B/W utilization using PCEP	Price per NSP Instance	Custom Bid
3HE16665AA	NSP Automation Package: In this use case, an operator can have a real time view of the LSPs and the path details from either the network topology view or from the LSP lists view. The paths details are available on a per LSP basis. All the configured attribute at an LSP level are available for a quick analysis which includes configured BW, configured latency, routing constraints etc. The full detail of the attributes are available in the NSP documentation	Price per NSP Instance	Custom Bid
3HE16655AA	NSP Automation Package: Physical Topology view using NSP mediator layer Available for SROS. Requires customization for 3rd party IP (check NSP adaptor availability)	Price per NSP Instance	Custom Bid
3HE16632AA	NSP Automation Package: Supervision of network Infrastructure services: • Service supervision groups with aggregated KPIs • Per service KPIs • Service component views • Service related faults with timeline view • IGP network topology • OAM on-demand test launch	Price per NSP Instance	Custom Bid

3HE16361AA	NSP Automation Package: • Network Assurance Access control, Summary views, Topology/GeoMap, Utilization, NE lists, Equipment inventory, Matrix view for Nes, Event Time Line  • Fault Management Top unhealthy NEs, Alarm lists, Top problems, Inspector views, Alarm filtering, Event Time Line	Price per NSP Instance	Custom Bid
3HE16350AA	NSP Automation Package: Service lifecycle automation for IES business services.	Price per NSP Instance	Custom Bid
3HE16349AA	NSP Automation Package: Service lifecycle automation for L3 VPN business services.	Price per NSP Instance	Custom Bid
3HE16348AA	NSP Automation Package: Service lifecycle automation for C-LINE business services.	Price per NSP Instance	Custom Bid
3HE16347AA	NSP Automation Package: Service lifecycle automation for E-LAN business services.	Price per NSP Instance	Custom Bid
3HE16346AA	NSP Automation Package: Service lifecycle automation for E-LINE business services.	Price per NSP Instance	Custom Bid
3HE16344AA	NSP Automation Package: This use case is to discover all network elements using either IGP (OSPF/ISIS ) or BGP-LS protocol and present to the user in a topology format. The topology view provides real time details IGP areas and individual IP links. The detail attributes of IP links are also accessible via topology view or via IP links list view. The details of the links provides the configured properties for a link including consumed vs available bandwidth (as per configuration) Available for SROS and 3rd party – Requires no equipment adaptor. Order this P/N to receive a permanent Lab license for the all the feature packages of the Resource Control suites.	Price per NSP Instance	Custom Bid
3HE16261AA	This includes the Nodal license that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.  This includes the High Availability as part of Resource Control Suite defaults.  Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.	This P/N is associated with a Lic. Key.	\$50,000.00
3HE16260AA	Order this P/N to receive a permanent Lab license for the all the feature packages of the Operations and Programming suites.  This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.  This includes the High Availability feature packages.  Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.	This P/N is associated with a Lic. Key.	\$50,000.00
3HE16259AA	Order this P/N to receive a permanent Lab license for the all the feature packages of the Operations and Programming suites.  This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.  This does not include the High Availability feature packages.  Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.	This P/N is associated with a Lic. Key.	\$25,000.00
3HE16258AA	NSP Multi-layer Cross Domain Link licenses for use with the NSP Multi-layer Discovery and Visualization and NSP Multi-layer Control & Optimization feature packages.  Order quantity 1 (ONE) 10GE (or 10GE equivalent, ex 100GE = 10x10GE) Cross Domain Links (CDLs) in the network.	This P/N is associated with a Lic. Key.	\$75
3HE16256AA	The NSP Multi-layer Control Coordination feature package includes hitless coordinated maintenance optical reversion, optical service provisioning, as well as IP Optical link layer interconnect provisioning.  Also included is "What-if analysis" simulation*, as well as 1:N Floating port restoration.  Order quantity 1 (ONE) per deployment.  High Availability (HA) for this feature package is included.  Multivendor support requires a separate line item for NSP Pluggable Network Adaptation, for each 3rd party controller.  Order the applicable Multi-layer Cross Domain Link licenses that are within the scope of multi-layer control.  Requires the NSP Multi-layer IP Optical Discovery and Visualization feature package.  * "What-if analysis" requires the NSP Simulation feature package.	This P/N is associated with a Lic. Key.	\$100,000
3HE16255AA	The NSP High Availability feature package enables high availability and disaster recovery for all Operations and Programming suites feature packages.  On a new license or when adding a feature packages to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.  Note: Not required for Resource Control Suite feature packages as high availability and disaster recovery are embedded into the license model.	This P/N is associated with a Lic. Key.	\$25.00
3HE16254AA	NSP License Points are mandatory for all deployments of the NSP Platform Base for any Operations and/or Programming suite deployments.  Quantity is based on the network elements being managed in the network. Please refer to the NSP License Point Catalogue.  ALL Operations and Programming suite feature packages are ordered based on the total number of license points.  Note: License points are not applicable for Resource Control Suite feature package.	This P/N is associated with a Lic. Key.	\$60.00
3HE16253AA	License points required for the management of AirScale or FlexiZone RAN devices in private wireless networks only (i.e. not valid for CSP networks).  Quantity is based on the RAN network elements being managed in the network. Please refer to the NSP License Point Catalogue.	This P/N is associated with a Lic. Key.	\$60.00
3HE16252AA	The NSP Platform Base is mandatory (quantity one) for all deployments of NSP (Operations, Programming and Control suites). It includes the core nsPOS software components. It does NOT include a user interface, web applications, or any network mediation.  For mediation, you must choose at least ONE of the following feature packages: (1) Classic Management, (2) Pluggable Network Adaptation or (3) Control and Visualization Starter feature packages.  In a high availability or disaster recovery deployment for the Operations and/or Programming suite, buy the High Availability feature package.	This P/N is associated with a Lic. Key.	\$80,000.00
3HE16186AA	DC Fabric Automation services per managed leaf/spine.	This P/N is associated with a Lic. Key.	\$2,900
3HE16185AA	Virtual Networks Orchestration (VNO) Base Product -NSD Library 'DC Fabric Automation'  VNO Right to Use Network Descriptors and Plug-ins (to Nokia ION and AWS) for NSD Library 'DC Fabric Automation' use case only.	This P/N is associated with a Lic. Key.	\$350,000

<p><b>3HE16020AA</b></p>	<p>The NSP Multi-layer Discovery and Visualization feature package provides Automated topology discovery for IP and Optical nodes, optical service discovery, and discovery of the inter-domain links. It is a mandatory feature package for all Multi-layer IP Optical deployments.</p> <p>This feature package also provides optically disjoint and optical latency aware IP routing*, and diversity analysis of LLIs and IP services** running over optical links.</p> <p>Requires the NSP Platform Base.</p> <p>Order quantity 1 (ONE) per deployment.</p> <p>High Availability (HA) for this feature packages is included.</p> <p>Order the applicable Multi-layer Cross Domain Link licenses that are within the scope of multi-layer control.</p> <p>* Requires the NSP Control and Visualization Starter and NSP Path Control and Optimization feature packages.  ** Requires NSP Service Activation &amp; Configuration feature package.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$100,000</p>
<p><b>3HE16019AA</b></p>	<p>The NSP IP/Control Class 4 Nodes are the routing instances that reside on servers in the case of data center applications, for example Nuage VRs or Smart NICs.</p> <p>Order quantity 1 (ONE) per Class 4 node.</p> <p>Requires the NSP Platform Base and the NSP Control and Visualization Starter feature package.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$25</p>
<p><b>3HE16018AA</b></p>	<p>The NSP IP/Control Class 3 Nodes are those performing either of the following role/function in the network: Cell site gateways or Top of Rack Switch.</p> <p>Order quantity 1 (ONE) per Class 3 node.</p> <p>Requires the NSP Platform Base and the NSP Control and Visualization Starter feature package.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$500</p>
<p><b>3HE16017AA</b></p>	<p>The NSP IP/Control Class 2 Nodes are those performing either of the following role/function in the network: Business P (core) or Mobile Aggregation and backhaul nodes.</p> <p>Order quantity 1 (ONE) per Class 2 node.</p> <p>Requires NSP Platform Base and the NSP Control and Visualization Starter feature package.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$1,500</p>
<p><b>3HE16016AA</b></p>	<p>The NSP IP/Control Class 1 Nodes are those performing either of the following role/function in the network: Business PE, ASBR Nodes and BNG or Data Centre Gateway.</p> <p>Order quantity 1 (ONE) per Class 1 node.</p> <p>Requires the NSP Platform Base and the NSP Control and Visualization Starter feature package.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$3,000</p>
<p><b>3HE16015AA</b></p>	<p>The NSP Simulation feature package provides web-based views and tools to simulate the IGP and MPLS layer and related objects (LSPs).</p> <p>Provides and extends the NSP North bound REST API for Simulation. Includes integration with nspOS software components.</p> <p>High Availability (HA) for this feature packages is included.</p> <p>Order quantity 1 (ONE) per deployment.</p> <p>Order the applicable IP/MPLS control class nodes licence for each network element discovered and under control of the IP/MPLS Optimization (NRC-P) module.</p> <p>Requires the NSP Platform Base and the NSP Control and Visualization Starter and NSP Path Control and Optimization feature packages.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$100,000</p>
<p><b>3HE16014AA</b></p>	<p>The NSP Enhanced Optimization feature package provides web-based tools to control and optimise stateful controlled LSPs based on dynamically collected network metrics. This feature package is required for NFIX deployments, where NSP interworks with Nuage to provide connectivity to VNFs.</p> <p>Provides and extends the NSP North bound REST API and includes integration with nspOS software components.</p> <p>Order the applicable IP/MPLS control class nodes licence for each network element discovered and under control of the IP/MPLS Optimization (NRC-P) module.</p> <p>High Availability (HA) for this feature packages is included.</p> <p>Order quantity 1 (ONE) per deployment.</p> <p>Requires the NSP Platform Base and the NSP Control and Visualization Starter and NSP Path Control and Optimization feature packages.</p> <p>Includes the NSP Pluggable Network Adaptation feature package for telemetry framework functionality – but does not include any 3rd party adaptors which can be obtained from Nokia ION Professional Services.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$100,000</p>
<p><b>3HE16013AA</b></p>	<p>The NSP Path Control and Optimization feature package provides web-based tools to control and optimise stateful controlled label-switched paths (LSPs).</p> <p>Provides and extends the NSP North bound REST API and includes integration with nspOS software components.</p> <p>High Availability (HA) for this feature packages is included.</p> <p>Order quantity 1 (ONE) per deployment.</p> <p>Order the applicable IP/MPLS control class nodes licence for each network element discovered and under control of the IP/MPLS Optimization (NRC-P) module.</p> <p>Requires the NSP Platform Base and the NSP Control and Visualization Starter feature package.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$100,000</p>
<p><b>3HE16012AA</b></p>	<p>The NSP Control and Visualization Starter feature package provides web-based views and tools of the IGP and MPLS layer and related objects. It is a mandatory feature packages for all IP/MPLS Optimization Control Suite deployments.</p> <p>It provides and extends the NSP North bound REST API for network infrastructure management, and it includes integration with nspOS software components.</p> <p>High Availability (HA) for this feature packages is included.</p> <p>Order quantity 1 (ONE) per deployment.</p> <p>Order the applicable IP/MPLS control class nodes licence for each network element discovered and under control of the IP/MPLS Optimization (NRC-P) module.</p> <p>* Requires the NSP Platform Base.</p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$100,000</p>



3HE16011AA	<p>The NSP Workflow Automation Engine feature package provides workflow creation and execution with the Workflow Manager (WFM) application. Aimed at developers (Customer/Partner) to develop/customise their own workflows.</p> <p>Provides RESTconf API for northbound integrations and includes integration with nspOS software components.</p> <p>Requires NSP Platform Base.</p> <p>On a new license or when adding a feature package to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00
3HE16010AA	<p>The NSP Intent Based Networking Framework feature package provides intent-based solutions across the managed network elements.</p> <p>Aimed at developers (Customer/Partner) to develop/custom their own intents.</p> <p>Provides and extends the NSP North bound REST API and includes integration with nspOS software components.</p> <p>Requires NSP Platform Base.</p> <p>On a new license or when adding a feature package to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00
3HE16007AA	<p>The NSP Network Operations Analytics feature package provides pre-packaged reports* for Network and Service (N&amp;S) and Application Assurance (AA) use cases.**</p> <p>Provides and extends the NSP North bound REST API and includes integration with nspOS software components.</p> <p>Requires NSP Platform Base and either the NSP Classic Management and/or the NSP Pluggable Network Adaptation feature packages.</p> <p>On a new license or when adding a feature package to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.</p> <p>Does not include any AA subscriber licenses.</p> <p>* Custom reports are available through Nokia ION Services **At least one AA subscriber bundle of any type must be purchased to enable AA IPDR/Reporting.</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00
3HE16005AA	<p>The NSP Service Assurance feature package provides web-based views and tools for service &amp; subscriber assurance across the managed network elements.</p> <p>Provides and extends the NSP North bound REST API for service assurance and includes integration with nspOS software components.</p> <p>Requires NSP Platform Base and either the NSP Classic Management and/or the NSP Pluggable Network Adaptation feature packages.</p> <p>On a new license or when adding a feature package to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00
3HE16004AA	<p>The NSP Service Activation &amp; Configuration feature package provides web-based views and tools for service fulfillment across the managed network elements.</p> <p>This feature packages provides and extends the NSP North bound REST API for service fulfillment and includes integration with nspOS software components.</p> <p>Requires the NSP Platform Base and either the NSP Classic Management and/or NSP Pluggable Network Adaptation feature packages.</p> <p>On a new license or when adding a feature package to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.</p> <p>This feature package does NOT include any workflows on intent based templating but can be provided through ION Professional Services where the required NSP S/W functions are provided as part of this feature package.</p> <p>Note: Augmentation of the data models is possible, but it is recommended to engage with ION Professional Services.</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00
3HE16003AA	<p>The NSP Network Infrastructure Management feature package provides web-based views and tools for management of the managed network elements.</p> <p>Includes the fault management and network monitoring and troubleshooting web applications for the managed network. Includes single node software management (NE DB backup/restore, NE upgrade).</p> <p>Provides the NGE management if NSP Classic Management feature package is deployed, the NSP North bound REST API for network infrastructure management, and integration with nspOS software components.</p> <p>Requires the NSP Platform Base and either the NSP Classic Management and/or the NSP Pluggable Network Adaptation feature packages.</p> <p>On a new license or when adding a feature packages to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00
3HE16002AA	<p>The NSP Pluggable Network Adaptation feature package provides model device mediation and control (MDM/MDC) for SROS devices in model mode (Netconf/YANG) as well as support of 3rd party * devices.</p> <p>Includes the Telemetry framework.</p> <p>Provides RESTconf API for northbound integrations and includes integration with nspOS software components.</p> <p>Requires the NSP Platform Base.</p> <p>On a new license or when adding a feature package to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature package in the license need to be ordered along with the new license points.</p> <p>* Requires adaptors from Nokia ION Professional Services for 3rd party devices</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00

3HE16001AA	<p>The NSP Classic Management feature package contains the Network Function Manager for IP (NFM-P), which includes SNMP mediation to SROS based and Nokia Microwave network elements.</p> <p>Includes the Java user interface and the NFM-P (SAM-O) REST and SOAP/XML API providing FCAPS functionality of the managed network. Provides the legacy control plane management solution (CPAM).</p> <p>No NSP web applications are provided within this feature package. Includes integration with nsOS software components which are part of the mandatory NSP Platform Base.</p> <p>Requires the NSP Platform Base.</p> <p>On a new license or when adding a feature package to an existing license, the quantity ordered must match the total number of license points in the network. When license points are added to an existing network, matching quantities of all feature packages in the license need to be ordered along with the new license points.</p>	<p>per LP in network</p> <p>This P/N is associated with a Lic. Key.</p>	\$25.00
3HE15542AA	<p>Virtual Networks Orchestration (VNO) Customer Engineering - standard customer engineering package covering contributions of VNO team to HLD, LLD, and running Acceptance Test Plan with customer. Does not include full project ownership (plan, HLD, LLD, ATP, ...) but only the VNO team contributions to these. A standard SoW is available. Does not need to be quoted if an ION PS -led bottom up SoW and related costing and pricing is being offered. P/N is valid for any number and combination of 'Base Product', 'NSD', and 'Plug-in' within a given offer, and needs to be priced in the first year.</p>		\$290,000
3HE14513AA	<p>Buy this part number to get a RHEL QCOW2 used to instantiate a RHEL VM. NSP modules can be installed on the RHEL VM which is instantiated using this RHEL QCOW2. Buy one for each VM in your NSP deployment.</p>	This P/N is associated with a Lic. Key.	\$1,500.00
3HE14512AA	<p>Order this part number when you are upgrading from NFM-P to NSD. The order Qty. is equal to the current NFM-P Premium License Point value.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE12276DA.</b></p>	This P/N is associated with a Lic. Key.	\$35.00
3HE14512AA	<p>Order this part number when you are upgrading from NFM-P to NSD. The order Qty. is equal to the current NFM-P Premium License Point value.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE12276DA.</b></p>	This P/N is associated with a Lic. Key.	\$35.00
3HE14511AA	<p>Order this part number when you are upgrading from NFM-P to NSD. The order Qty. is equal to the current NFM-P Standard License Point value.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE12276DA.</b></p>	This P/N is associated with a Lic. Key.	\$25.00
3HE14511AA	<p>Order this part number when you are upgrading from NFM-P to NSD. The order Qty. is equal to the current NFM-P Standard License Point value.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE12276DA.</b></p>	This P/N is associated with a Lic. Key.	\$25.00
3HE14510AC	<p>Network Service Platform (NSP): Network Services Director (NSD) - Network Routing Controller License Point conversion from Standard to Premium .</p> <p>Order this part number to convert the existing NSP: NSD-NRC Standard License Points into the Premium License Points.</p> <p><b>The order Qty. is the total value of existing NSP: NSD-NRC Standard License Points.</b></p>	This P/N is associated with a Lic. Key.	\$65.00
3HE14510AC	<p>Network Service Platform (NSP): Network Services Director (NSD) - Network Routing Controller License Point conversion from Standard to Premium .</p> <p>Order this part number to convert the existing NSP: NSD-NRC Standard License Points into the Premium License Points.</p> <p><b>The order Qty. is the total value of existing NSP: NSD-NRC Standard License Points.</b></p>	This P/N is associated with a Lic. Key.	\$65.00
3HE14510AA	<p>Network Service Platform (NSP): Network Services Director (NSD) - Network Routing Controller Premium License Point.</p> <p>Order this part number to receive the NSP NSD-NRC Premium License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE12276DA.</b></p>	This P/N is associated with a Lic. Key.	\$200.00
3HE14510AA	<p>Network Service Platform (NSP): Network Services Director (NSD) - Network Routing Controller Premium License Point.</p> <p>Order this part number to receive the NSP NSD-NRC Premium License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE12276DA.</b></p>	This P/N is associated with a Lic. Key.	\$200.00
3HE14509EC	<p>Network Services Platform (NSP): Network Service Director (NSD) Standard to Premium Base Product Conversion License.</p> <p>Order this part number when you need to convert the NSD Standard Base Product into the Premium Base Product.</p>	This P/N is associated with a Lic. Key.	\$80,000.00
3HE14509EA	<p>Network Services Platform (NSP): Network Service Director (NSD) Premium Base Product License.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$160,000.00
3HE14509DC	<p>Network Services Platform (NSP): Network Service Director (NSD) Standard to Premium Base Product Conversion License.</p> <p>Order this part number when you need to convert the NSD Standard Base Product into the Premium Base Product.</p>	This P/N is associated with a Lic. Key.	\$80,000.00
3HE14509DA	<p>Network Services Platform (NSP): Network Service Director (NSD) Premium Base Product License.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$160,000.00

3HE14376EA	<p>Network Services Platform (NSP): Network Resource Controller - Packet (NRC-P) Openflow Feature.</p> <p>Openflow control provides the ability to steer individual flows in Openflow-enabled switches. The feature packagesage provides Openflow switch management and flow steering.</p> <p>License Points are required for NRC-P. Please refer to the NSP LP Catalogue.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE14376DA	<p>Network Services Platform (NSP): Network Resource Controller - Packet (NRC-P) Openflow Feature.</p> <p>Openflow control provides the ability to steer individual flows in Openflow-enabled switches. The feature packagesage provides Openflow switch management and flow steering.</p> <p>License Points are required for NRC-P. Please refer to the NSP LP Catalogue.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE14374EA	<p>Network Services Platform (NSP): Network Resource Controller - Packet (NRC-P) Optimization.</p> <p><b>NRC-P Optimization - Optimization provides additional on-net functionality that complements Path Control. Optimization features include: STAR algorithm; Global Concurrent Optimization; Loose Hop Traffic Engineering; Maximum Stack Depth (MSD) with Traffic Engineering; Telemetry-based optimization; NRC-P Optimization can only be activated in conjunction with NRC-P Path Control.</b></p> <p>License Points are required for NRC-P. Please refer to the NSP LP Catalogue.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE14374DA	<p>Network Services Platform (NSP): Network Resource Controller - Packet (NRC-P) Optimization.</p> <p><b>NRC-P Optimization - Optimization provides additional on-net functionality that complements Path Control. Optimization features include: STAR algorithm; Global Concurrent Optimization; Loose Hop Traffic Engineering; Maximum Stack Depth (MSD) with Traffic Engineering; Telemetry-based optimization; NRC-P Optimization can only be activated in conjunction with NRC-P Path Control.</b></p> <p>License Points are required for NRC-P. Please refer to the NSP LP Catalogue.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE14373EA	<p>Network Services Platform (NSP): Network Resource Controller - Packet (NRC-P) Path Control Feature.</p> <p><b>Path control provides on-net control to manage LSPs in the life network. Features include: path computation with TE constraints (CSPF), RSVP-TE &amp; Segment Routing; multi-domain support; disjoint paths; profile override; anycast; maximum stack depth (without Traffic Engineering).</b></p> <p>License Points are required for NRC-P. Please refer to the NSP LP Catalogue.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$200,000.00
3HE14373DA	<p>Network Services Platform (NSP): Network Resource Controller - Packet (NRC-P) Path Control Feature.</p> <p><b>Path control provides on-net control to manage LSPs in the life network. Features include: path computation with TE constraints (CSPF), RSVP-TE &amp; Segment Routing; multi-domain support; disjoint paths; profile override; anycast; maximum stack depth (without Traffic Engineering).</b></p> <p>License Points are required for NRC-P. Please refer to the NSP LP Catalogue.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$200,000.00
3HE14372EA	<p>Network Services Platform (NSP): Network Resource Controller - Packet (NRC-P) Simulation Feature.</p> <p><b>Includes, among other things, network topology visualization and simulation of the traffic distribution after link failures, new path creation or changes in path profiles, TE metrics, SRLGs and other link attributes.</b></p> <p>License Points are required for NRC-P. Please refer to the NSP LP Catalogue</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE14372DA	<p>Network Services Platform (NSP): Network Resource Controller - Packet (NRC-P) Simulation Feature.</p> <p><b>Includes, among other things, network topology visualization and simulation of the traffic distribution after link failures, new path creation or changes in path profiles, TE metrics, SRLGs and other link attributes.</b></p> <p>License Points are required for NRC-P. Please refer to the NSP LP Catalogue</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE14354AA	<p>VNO SOLUTION TRAINING - 2 DAYS – CONTACT HANS VANDERSTRAETAN OR ALEKS SARENAC TO ORGANISE</p> <p><b>THIS IS NON DISCOUNTABLE</b></p>		\$12,900
3HE14159AA	<p>Centralized License Manager is a license management tool for selected ION products. It enables license pool management, license pool capacity reservation &amp; network function entitlement management (for SROS).</p> <p>Order this P/N to receive the NSP : NFM-P permanent Standard Lab license. This will enable any combination of the NSD, NRC-F, NRC-P NRC-X S/W suites.</p>		Custom Bid
3HE13712BA	<p>This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.</p> <p><b>This includes the High Availability / Disaster Recovery License Points.</b></p> <p><b>Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00

3HE13712BA	<p>Order this P/N to receive the NSP : NFM-P permanent Standard Lab license. This will enable any combination of the NSD, NRC-F, NRC-P NRC-X S/W suites.</p> <p>This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.</p> <p><b>This includes the High Availability / Disaster Recovery License Points.</b></p> <p><b>Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE13712AA	<p>Order this P/N to receive the NSP : NFM-P permanent Standard Lab license. This will enable any combination of the NSD, NRC-F, NRC-P NRC-X S/W suites.</p> <p>This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.</p> <p><b>This does not include High Availability / Disaster Recovery License Points.</b></p> <p><b>Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.</b></p>	This P/N is associated with a Lic. Key.	\$25,000.00
3HE13712AA	<p>Order this P/N to receive the NSP : NFM-P permanent Standard Lab license. This will enable any combination of the NSD, NRC-F, NRC-P NRC-X S/W suites.</p> <p>This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.</p> <p><b>This does not include High Availability / Disaster Recovery License Points.</b></p> <p><b>Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.</b></p>	This P/N is associated with a Lic. Key.	\$25,000.00
3HE13711BA	<p>Order this P/N to receive the NSP : NFM-P permanent Standard or Premium Lab license.</p> <p>This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.</p> <p><b>This includes the High Availability / Disaster Recovery License Points.</b></p> <p><b>Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE13711BA	<p>Order this P/N to receive the NSP : NFM-P permanent Standard or Premium Lab license.</p> <p>This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.</p> <p><b>This includes the High Availability / Disaster Recovery License Points.</b></p> <p><b>Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.</b></p>	This P/N is associated with a Lic. Key.	\$50,000.00
3HE13711AA	<p>Order this P/N to receive the NSP : NFM-P permanent Standard or Premium Lab license.</p> <p>This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.</p> <p><b>This does not include High Availability / Disaster Recovery License Points.</b></p> <p><b>Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.</b></p>	This P/N is associated with a Lic. Key.	\$25,000.00
3HE13711AA	<p>Order this P/N to receive the NSP : NFM-P permanent Standard or Premium Lab license.</p> <p>This includes the License Points (LP) that are required to manage the nodes within the customers lab environment. The Nokia regional prime must submit in the license key request into the ASLM license tool and indicate the LP's value that is required to manage this lab.</p> <p><b>This does not include High Availability / Disaster Recovery License Points.</b></p> <p><b>Upgrades are only supported with a valid SRS and can be combined in with the Commercial Live SRS.</b></p>	This P/N is associated with a Lic. Key.	\$25,000.00
3HE13443AA	Centralized Valued Added Service Per VCPU. Can be interpreted as counted per VNF, for simplex VNF IP Appliances (Firewall, WAF, anti-DDoS, ...)	This P/N is associated with a Lic. Key.	\$2,900
3HE13440AA	Decentralized Valued Added Service Per VCPU. Can be interpreted as counted per VNF, for simplex VNF IP Appliances (Firewall, WAF, anti-DDoS, ...)	This P/N is associated with a Lic. Key.	\$300
3HE13437AA	Virtual Networks Orchestration (VNO) Studio to create customer Network Service Descriptors (NSDs), and have them tested through a complete CI/CD framework for NSD development.	This P/N is associated with a Lic. Key.	\$700,000
3HE13436BA	<p>Virtual Networks Orchestration (VNO) Nuage Plugin onto Cloudband Network Director.</p> <p>Order this P/N to receive a License to allow integration with Nuage in case an VNO 'base product' is NOT ordered (typically for NSW CBND own projects). The item constitutes a plug-in into CBND towards Nuage VSD, and through SRS, guarantees persistent release upgrades for Nuage and CBND throughout the NSW project. This item should only be offered when VNO is not offered and should not be priced if VNO is offered.</p> <p>Pricing is fixed price RTU</p> <p>Pricing is fixed price RTU.</p>	This P/N is associated with a Lic. Key.	\$220,000

3HE13436AA	Virtual Networks Orchestration (VNO) Plugin to a 3rd Party product. Order this P/N to price new plugin development required to plug into 3rd party products such as VAS VNF and SDN Controllers. Pricing is fixed price RTU.	This P/N is associated with a Lic. Key.	\$130,000
3HE13435AA	Virtual Networks Orchestration (VNO) Complex NSD Use Case License. Order this P/N to receive an additional Complex NSD Use Case License. Pricing is based on per Use Case.	This P/N is associated with a Lic. Key.	\$140,000
3HE13434AA	Virtual Networks Orchestration (VNO) Simple NSD Use Case License. Order this P/N to receive an additional Simple NSD Use Case License. Pricing is based on per Use Case.	This P/N is associated with a Lic. Key.	\$70,000
3HE13433AA	Customer Premises Equipment (CPE) Connection End Point License. Order this P/N to receive the CPE >1G License. Pricing is based on per CPE (NSG).	This P/N is associated with a Lic. Key.	\$1,540
3HE13432AA	Customer Premises Equipment (CPE) Connection End Point License. Order this P/N to receive the CPE <=1G License. Pricing is based on per CPE (NSG).	This P/N is associated with a Lic. Key.	\$770
3HE13431AA	Customer Premises Equipment (CPE) Connection End Point License. Order this P/N to receive the CPE <200M License. Pricing is based on per CPE (NSG or legacy CE over DC GW)	This P/N is associated with a Lic. Key.	\$330
3HE13430AA	VNO High Availability License. Order this P/N to receive the VNO High Availability License.	This P/N is associated with a Lic. Key.	\$350,000
3HE13429AA	Virtual Networks Orchestration (VNO) Base Product - NSD Library 'SD-WAN and DC-GW access' VNO Right to Use Network Descriptors and Plug-ins (to Nokia ION) for connectivity related use case only.	This P/N is associated with a Lic. Key.	\$350,000
3HE13428BA	Virtual Networks Orchestration (VNO) for Non North America Region Software Release Subscription (SRS) <b>This P/N is only to be used for customers outside of North America Region (NAR) .</b> Pricing is based on the original green field deployment and annual SRS renewal. Pricing is based on 20% of the GLP license.		Pricing is based on 20% of the VNO GLP Licenses
3HE13428AA	Virtual Networks Orchestration (VNO) North America Region Software Release Subscription (SRS) <b>This P/N is only to be used for customers in the North America Region (NAR) where event billings are required.</b> Pricing is based on the original green field deployment and annual SRS renewal. Pricing is based on 20% of the GLP license.		Pricing is based on 20% of the VNO GLP Licenses
3HE12276DA	Network Service Platform (NSP): Network Services Director (NSD): Network Resource Controller (NRC) High Availability / Disaster Recovery License Point. Order this part number to receive the NSP NSD-NRC High Availability / Disaster Recovery License Point. (NFM-P continues to use 1+1 redundancy as in previous releases). <b>NOTE- The order qty. is equal to the NSP NSD-NRC License Point value.</b>	This P/N is associated with a Lic. Key.	\$20.00
3HE12276DA	Network Service Platform (NSP): Network Services Director (NSD): Network Resource Controller (NRC) High Availability / Disaster Recovery License Point. Order this part number to receive the NSP NSD-NRC High Availability / Disaster Recovery License Point. (NFM-P continues to use 1+1 redundancy as in previous releases). <b>NOTE- The order qty. is equal to the NSP NSD-NRC License Point value.</b>	This P/N is associated with a Lic. Key.	\$20.00
3HE12276DA	Network Service Platform (NSP): Network Services Director (NSD): Network Resource Controller (NRC) High Availability / Disaster Recovery License Point. Order this part number to receive the NSP NSD-NRC High Availability / Disaster Recovery License Point. (NFM-P continues to use 1+1 redundancy as in previous releases). <b>NOTE- The order qty. is equal to the NSP NSD-NRC License Point value.</b>	This P/N is associated with a Lic. Key.	\$20.00
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<p><b>3HE12275DA</b></p>	<p>Network Service Platform (NSP): Network Services Director (NSD): Network Resource Controller (NRC) Standard License Point.</p> <p>Order this part number to receive the NSP: NSD-NRC Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE12276DA.</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$135.00</p>																								
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<p><b>3HE12102TA</b></p>	<p>VSAP High Availability / Disaster Recovery License Point / underlay routers / VSC license.</p> <p>Buy one of this part for each VSC, 7850 VSG, 7850 VSA, GNE Underlay Router.</p> <p><b>NOTE:</b> Please contact VSAP PLM <b>Vyacheslav Lvin</b> FOR 7750 Underlay routers pricing.</p> <p><b>NOTE- The order Qty. is equal to the VSAP Network Element Management License.</b></p>	<p>This P/N is associated to a License Key.</p>	<p>\$190.00</p>																								
<p><b>3HE12102TA</b></p>	<p>VSAP High Availability / Disaster Recovery License Point / underlay routers / VSC license.</p> <p>Buy one of this part for each VSC, 7850 VSG, 7850 VSA, GNE Underlay Router.</p> <p><b>NOTE:</b> Please contact VSAP PLM <b>Vyacheslav Lvin</b> FOR 7750 Underlay routers pricing.</p> <p><b>NOTE- The order Qty. is equal to the VSAP Network Element Management License.</b></p>	<p>This P/N is associated to a License Key.</p>	<p>\$190.00</p>																								
<p><b>3HE12101TA</b></p>	<p>Buy certain amount (see below) of this part for each NSG.</p> <p>Included features are Alarms/Faults correlation, Overlay/Underlay Inventory, OAM, Overlay/Underlay Topology, Historical Events Correlation, Configuration Audit and related service assurance.</p> <table border="1" data-bbox="272 1577 1024 1736"> <thead> <tr> <th colspan="2">NSG Port Bandwidth</th> <th colspan="2">Required License Qty.</th> </tr> </thead> <tbody> <tr> <td>100M</td> <td></td> <td>2</td> <td>200M</td> </tr> <tr> <td>3</td> <td>500M</td> <td></td> <td>4</td> </tr> <tr> <td>1G</td> <td></td> <td>8</td> <td>2G</td> </tr> <tr> <td>22</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10G</td> <td></td> <td>26</td> <td></td> </tr> </tbody> </table>	NSG Port Bandwidth		Required License Qty.		100M		2	200M	3	500M		4	1G		8	2G	22				10G		26			<p>\$110.00</p>
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<b>3HE11815FA</b>	NSP 20 Classic Management Extended Software Support License  Order quantity 1 (ONE) per NE requiring extended NE Software Support. Please refer to the NSP Compatibility Guide for the <a href="#">supported list of NE's</a> .	This P/N is associated with a Lic. Key.	\$10,000.00
<b>3HE11815EA</b>	Network Services Platform (NSP): Network Functions Manager Packet (NFM-P) Extended Software Support  Order this part number to receive the extended NE Software Support.  Pricing is per NE.  Please refer to the NSP Compatibility Guide for the supported list of NE's.	This P/N is associated with a Lic. Key.	\$10,000.00
<b>3HE11815DA</b>	Network Services Platform (NSP): Network Functions Manager Packet (NFM-P) Extended Software Support  Order this part number to receive the extended NE Software Support.  Pricing is per NE.  Please refer to the NSP Compatibility Guide for the supported list of NE's.	This P/N is associated with a Lic. Key.	\$10,000.00
<b>3HE11814DA</b>	Network Services Platform (NSP) Qty. 500 AA Business Subscriber License.  Order this part number to receive 500 AA Business Subscribers for IPDR and/or Reporting use cases.	This P/N is associated with a Lic. Key.	\$20,000.00
<b>3HE11814DA</b>	Network Services Platform (NSP): Network Functions Manager Packet (NFM-P) Qty. 500 AA Business Subscriber License.  Order this part number to receive 500 AA Business Subscribers for IPDR and/or Reporting use cases.	This P/N is associated with a Lic. Key.	\$20,000.00
<b>3HE11814DA</b>	Network Services Platform (NSP): Network Functions Manager Packet (NFM-P) Qty. 500 AA Business Subscriber License.  Order this part number to receive 500 AA Business Subscribers for IPDR and/or Reporting use cases.	This P/N is associated with a Lic. Key.	\$20,000.00
<b>3HE11813DA</b>	Network Services Platform (NSP) Mobile Subscribers (10K BLOCK).  Order this part number to receive 10,000 AA Mobile Subscribers for IPDR and/or Reporting use cases.	This P/N is associated with a Lic. Key.	\$10,000.00
<b>3HE11813DA</b>	Network Services Platform (NSP): Network Functions Manager Packet (NFM-P) Mobile Subscribers (10K BLOCK).  Order this part number to receive 10,000 AA Mobile Subscribers for IPDR and/or Reporting use cases.	This P/N is associated with a Lic. Key.	\$10,000.00
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<b>3HE11812DA</b>	Network Services Platform (NSP) 10K AA Residential/Wi-Fi Subscribers License.  Order this part number to receive 10,000 AA Residential/Wi-Fi Subscriber License for IPDR and/or Reporting use cases.	This P/N is associated with a Lic. Key.	\$10,000.00
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<b>3HE11811DA</b>	Network Services Platform (NSP) Auxiliary Database Product, which includes one (1) Terabyte (TB) of storage.  Multiple licenses can be purchased and are cumulative, e.g. purchasing 5 licenses permits 5 TBs total of storage.	This P/N is associated with a Lic. Key.	\$13,000.00
<b>3HE11811DA</b>	Network Services Platform (NSP): Network Functions Manager Packet (NFM-P) Auxiliary Database Product, which includes one (1) Terabyte (TB) of storage.  Multiple licenses can be purchased and are cumulative, e.g. purchasing 5 licenses permits 5 TBs total of storage.	This P/N is associated with a Lic. Key.	\$13,000.00
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<p><b>3HE11810EA</b></p>	<p>Network Services Platform (NSP): Network Functions Manager Packet (NFM-P) Application Assurance Base product.</p> <p>This is mandatory for application assurance (IPDR and/or reporting).</p> <p>Available on Standard and Premium packages.</p> <p>Mandatory base price for AA Analytics (access to IPDR and Reporting based on domain availability).</p> <p>Does not include any AA subscriber licenses. At least one AA subscriber bundle of any type must be purchased with the AA Analytics base license to enable AA IPDR/Reporting.</p> <p>5 TBs of Aux DB storage recommended (4 TBs included with AA Analytics Base and 1 TB included with the Premium package).</p> <p>AA Analytics Base is replacing the IPDR OSSI NBI licenses.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$145,000.00</p>
<p><b>3HE11810DA</b></p>	<p>Network Services Platform (NSP): Network Functions Manager Packet (NFM-P) Application Assurance Base product.</p> <p>This is mandatory for application assurance (IPDR and/or reporting).</p> <p>Available on Standard and Premium packages.</p> <p>Mandatory base price for AA Analytics (access to IPDR and Reporting based on domain availability).</p> <p>Does not include any AA subscriber licenses. At least one AA subscriber bundle of any type must be purchased with the AA Analytics base license to enable AA IPDR/Reporting.</p> <p>5 TBs of Aux DB storage recommended (4 TBs included with AA Analytics Base and 1 TB included with the Premium package).</p> <p>AA Analytics Base is replacing the IPDR OSSI NBI licenses.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$145,000.00</p>
<p><b>3HE11805DC</b></p>	<p>Network Services Platform Wireless Standard to Premium LTE Software License Point conversion.</p> <p>Order this part number to convert the existing NSP Wireless LTE Standard License Points into the NSP Wireless Premium LTE License Points.</p> <p><b>The order Qty. is the total value of existing Standard LTE License Points.</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$55.00</p>
<p><b>3HE11805DC</b></p>	<p>Network Services Platform Wireless Standard to Premium LTE Software License Point conversion.</p> <p>Order this part number to convert the existing NSP Wireless LTE Standard License Points into the NSP Wireless Premium LTE License Points.</p> <p><b>The order Qty. is the total value of existing Standard LTE License Points.</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$55.00</p>
<p><b>3HE11805DA</b></p>	<p>Network Services Platform Wireless Premium LTE Software License Point.</p> <p>Order this part number to receive the NSP Wireless Premium LTE License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE11803DA.</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$165.00</p>
<p><b>3HE11805DA</b></p>	<p>Network Services Platform Wireless Premium LTE Software License Point.</p> <p>Order this part number to receive the NSP Wireless Premium LTE License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE11803DA.</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$165.00</p>
<p><b>3HE11803DA</b></p>	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) High Availability / Disaster Recovery License Point.</p> <p>Order this part number to receive the NSP: NFM-P High Availability / Disaster Recovery License Point.</p> <p><b>NOTE- The order qty. is equal to the NSP: NFM-P License Point value (Standard or Premium).</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$20.00</p>
<p><b>3HE11803DA</b></p>	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) High Availability / Disaster Recovery License Point.</p> <p>Order this part number to receive the NSP: NFM-P High Availability / Disaster Recovery License Point.</p> <p><b>NOTE- The order qty. is equal to the NSP: NFM-P License Point value (Standard or Premium).</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$20.00</p>



3HE11803DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) High Availability / Disaster Recovery License Point.</p> <p>Order this part number to receive the NSP: NFM-P High Availability / Disaster Recovery License Point.</p> <p><b>NOTE- The order qty. is equal to the NSP: NFM-P License Point value (Standard or Premium).</b></p>	This P/N is associated with a Lic. Key.	\$20.00
3HE11803DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) High Availability / Disaster Recovery License Point.</p> <p>Order this part number to receive the NSP: NFM-P High Availability / Disaster Recovery License Point.</p> <p><b>NOTE- The order qty. is equal to the NSP: NFM-P License Point value (Standard or Premium).</b></p>	This P/N is associated with a Lic. Key.	\$20.00
3HE11803DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) High Availability / Disaster Recovery License Point.</p> <p>Order this part number to receive the NSP: NFM-P High Availability / Disaster Recovery License Point.</p> <p><b>NOTE- The order qty. is equal to the NSP: NFM-P License Point value (Standard or Premium).</b></p>	This P/N is associated with a Lic. Key.	\$20.00
3HE11802DC	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) License Point conversion from Standard to Premium .</p> <p>Order this part number to convert the existing NSP: NFM-P Standard License Points into the Premium License Points.</p> <p><b>The order Qty. is the total value of existing NSP: NFM-P Standard License Points.</b></p>	This P/N is associated with a Lic. Key.	\$55.00
3HE11802DC	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) License Point conversion from Standard to Premium .</p> <p>Order this part number to convert the existing NSP: NFM-P Standard License Points into the Premium License Points.</p> <p><b>The order Qty. is the total value of existing NSP: NFM-P Standard License Points.</b></p>	This P/N is associated with a Lic. Key.	\$55.00
3HE11802DC	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) License Point conversion from Standard to Premium .</p> <p>Order this part number to convert the existing NSP: NFM-P Standard License Points into the Premium License Points.</p> <p><b>The order Qty. is the total value of existing NSP: NFM-P Standard License Points.</b></p>	This P/N is associated with a Lic. Key.	\$55.00
3HE11802DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) Premium License Point.</p> <p>Order this part number to receive the NSP NFM-P Premium License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE11803DA.</b></p>	This P/N is associated with a Lic. Key.	\$165.00
3HE11802DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) Premium License Point.</p> <p>Order this part number to receive the NSP NFM-P Premium License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE11803DA.</b></p>	This P/N is associated with a Lic. Key.	\$165.00
3HE11802DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) Premium License Point.</p> <p>Order this part number to receive the NSP NFM-P Premium License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE11803DA.</b></p>	This P/N is associated with a Lic. Key.	\$165.00
3HE11801DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) Standard License Point.</p> <p>Order this part number to receive the NSP: NFM-P Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE11803DA.</b></p>	This P/N is associated with a Lic. Key.	\$110.00
3HE11801DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) Standard License Point.</p> <p>Order this part number to receive the NSP: NFM-P Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE11803DA.</b></p>	This P/N is associated with a Lic. Key.	\$110.00
3HE11801DA	<p>Network Service Platform (NSP): Network Functions Manager - Packet (NFM-P) Standard License Point.</p> <p>Order this part number to receive the NSP: NFM-P Standard License Point.</p> <p>Please refer to the NSP License Point Catalogue.</p> <p><b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the High Availability / Disaster Recovery License Points, reference P/N# 3HE11803DA.</b></p>	This P/N is associated with a Lic. Key.	\$110.00
3HE11800EC	<p>Network Services Platform (NSP): Network Functions Manager - Packet (NFM-P) Standard to Premium Base Product Conversion License.</p> <p>Order this part number when you need to convert the NFM-P Standard Base Product into the Premium Base Product.</p>	This P/N is associated with a Lic. Key.	\$80,000.00

3HE11800EA	Network Services Platform (NSP): Network Functions Manager - Packet (NFM-P) Premium Base Product License.  <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$160,000.00
3HE11800DC	Network Services Platform (NSP): Network Functions Manager - Packet (NFM-P) Standard to Premium Base Product Conversion License.  Order this part number when you need to convert the NFM-P Standard Base Product into the Premium Base Product.	This P/N is associated with a Lic. Key.	\$80,000.00
3HE11800DA	Network Services Platform (NSP): Network Functions Manager - Packet (NFM-P) Premium Base Product License.  <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$160,000.00
3HE11799EA	Network Services Platform (NSP): Network Functions Manager - Packet (NFM-P) Standard Base Product License.  <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$80,000.00
3HE11799DA	Network Services Platform (NSP): Network Functions Manager - Packet (NFM-P) Standard Base Product License.  <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$80,000.00
3HE11725TC	Buy certain amount (see below) of this part for each VRS, VRS-G, VSG, 3rd Party Virtual Services Gateway (HW-VTEP).  Included features are Alarms/Faults correlation, Overlay/Underlay Inventory, OAM, Overlay/Underlay Topology, Historical Events Correlation and related service assurance.  This license enables up to 48 ports and is applicable on a single switch basis.  <b>Vswitch Port Bandwidth Required License Qty.</b> 10G 3 25G 6 40G 10 100G 20  <b>Required License Qty per VRS-C instance:</b> VRS-C 4 VRS-C-4vCPU 2		\$115.00
3HE11725TC	Buy certain amount (see below) of this part for each VRS, VRS-G, VSG, 3rd Party Virtual Services Gateway (HW-VTEP).  Included features are Alarms/Faults correlation, Overlay/Underlay Inventory, OAM, Overlay/Underlay Topology, Historical Events Correlation and related service assurance.  This license enables up to 48 ports and is applicable on a single switch basis.  <b>Vswitch Port Bandwidth Required License Qty.</b> 10G 3 25G 6 40G 10 100G 20  <b>Required License Qty per VRS-C instance:</b> VRS-C 4 VRS-C-4vCPU 2		\$115.00
3HE11724TA	VSAP underlay routers/VSC license. Includes SNMP discovery and monitoring of Network Elements (including Underlay Generic Network Elements GNE).  Buy one of this part for each VSC, 7850 VSG, 7850 VSA, GNE Underlay Router.  NOTE: Please contact VSAP PLM <b>Vyacheslav Lvin</b> for 7750 Underlay routers pricing.  <b>NOTE: If you have High Availability, you will also need to purchase the High Availability / Disaster Recovery NE MGMT License, reference P/N# 3HE12102TA.</b>	This P/N is associated to a License Key.	\$1,028.00
3HE11724TA	VSAP underlay routers/VSC license. Includes SNMP discovery and monitoring of Network Elements (including Underlay Generic Network Elements GNE).  Buy one of this part for each VSC, 7850 VSG, 7850 VSA, GNE Underlay Router.  NOTE: Please contact VSAP PLM <b>Vyacheslav Lvin</b> for 7750 Underlay routers pricing.  <b>NOTE: If you have High Availability, you will also need to purchase the High Availability / Disaster Recovery NE MGMT License, reference P/N# 3HE12102TA.</b>	This P/N is associated to a License Key.	\$1,028.00
3HE10161FA	<b>NFM-P Wireless (only)</b> Software Release Subscription (SRS)  As of NSP 17, the annual SRS is now mandatory.	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3HE10161EA	<b>NFM-P Wireless (only)</b> North America Region Software Release Subscription (SRS)  This P/N is only to be used for customers in the North America Region (NAR) where event billings are required.  As of NSP 17, the annual SRS is now mandatory.	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3HE10161DA	<b>NSD-NRC (only)</b> Software Release Subscription (SRS)  As of NSP 17, the annual SRS is now mandatory.	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3HE10161CA	<b>NSD-NRC (only)</b> North America Region Software Release Subscription (SRS)  This P/N is only to be used for customers in the North America Region (NAR) where event billings are required.  As of NSP 17, the annual SRS is now mandatory.	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid

3HE10161BA	<b>NFM-P (only)</b> Software Release Subscription (SRS) As of NSP 17, the annual SRS is now mandatory.	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3HE10161AA	<b>NFM-P (only)</b> North America Region Software Release Subscription (SRS) This P/N is only to be used for customers in the North America Region (NAR) where event billings are required. As of NSP 17, the annual SRS is now mandatory.	<b>PCP Costing Information is based on a per system value.</b>	Custom Bid
3HE09997EA	Network Services Platform (NSP): Network Resource Controller - X (NRC-X) Standard Base Product License. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$400,000.00
3HE09997DA	Network Services Platform (NSP): Network Resource Controller - X (NRC-X) Standard Base Product License. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$400,000.00
3HE09985EA	Network Services Platform (NSP): Network Service Director (NSD) Standard Base Product License. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$80,000.00
3HE09985DA	Network Services Platform (NSP): Network Service Director (NSD) Standard Base Product License. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$80,000.00
1AK38000AAAN	Official hardware platform supported for NFM-T.		\$41,084.28
1AK38000AAAN	Official hardware platform supported for NFM-T.		\$41,084.28
1AK36000AAAN	Official hardware platform supported for NFM-T.		\$18,396.93
1AK36000AAAN	Official hardware platform supported for NFM-T.		\$18,396.93
1AK36000AAAM	Official hardware platform supported for NFM-T.		\$11,319.36
1AK36000AAAM	Official hardware platform supported for NFM-T.		\$11,319.36
3KC73725AAAA	Network Timing Synchronization Manager(NTSM) Standard Base Product License. Base system required with associated license points to provide RTU for the NFM-T value added feature NTSM. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This P/N is associated with a Lic. Key.	\$24,939.60
3KC76616AAAA	Network Resource Controller-Transport (NRC-T) R18 Standard Base Product License. <b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b>	This /N is associated with a Lic. Key.	\$415,660.00
3HE16357AA	NSP Automation Package: Migrate services from a port/LAG/card to another port/LAG/card on the same NE or different NE	Price per NSP Instance	Custom Bid
3HE16086AA	Network Service Platform (NSP) Appliance High Availability / Disaster Recovery License Point. Order this part number to receive the NSP Appliance High Availability / Disaster Recovery License Point. <b>NOTE- The order qty. is equal to the NSP Appliance License Point value, reference P/N# 3HE15895AA.</b>	This P/N is associated with a Lic. Key.	\$25.00
3HE15895AA	Network Service Platform (NSP) Appliance License Point. Order this part number to receive the NSP Appliance License Point. Please refer to the NSP License Point Catalogue. <b>NOTE- If you have High Availability / Disaster Recovery, you will also need to purchase the same value of the NSP APPLIANCE HA / DR LP, reference P/N# 3HE16086AA.</b>	This P/N is associated with a Lic. Key.	\$110.00
3HE15893FB	Order this P/N to receive the following: Qty, 2 NSP appliances for redundant deployment. Each NAP Appliances on a HP DL380 Gen 10 server with the NSP 20 S/W Application & RHEL OS preloaded, NFM-P Premium Base and NSD Premium Base. Note - Their current NFM-P license values will need to be tranfered over to the new Appliance. Appliance scale is 2,000 Networks Elements, subject to a maximum of 1,500 MDA equivalents. (Platform sizing recommended) <b>Upgrades are only supported by an annual Software Release Subscription (SRS).</b>		\$133,200.00
3HE15893FA	Order this P/N to receive the following: Qty. 1 NSP Appliance on a HP DL380 Gen 10 server with NSP 20 S/W Application & RHEL OS preloaded, NFM-P Premium Base and NSD Premium Base. Note - Their current NFM-P license values will need to be tranfered over to the new Appliance. Appliance scale is 2,000 Networks Elements, subject to a maximum of 1,500 MDA equivalents. (Platform sizing recommended) <b>Upgrades are only supported by an annual Software Release Subscription (SRS).</b>		\$90,610.00

<p><b>3HE15892FB</b></p>	<p>Order this P/N to receive the following: Qty. 2 NSP Appliance on a HP DL380 Gen 10 server with the NSP 20 S/W Application &amp; RHEL OS preloaded, and Qty. 800 NSP Appliance LPs.</p> <p>NOTE - The NSP Appliance LP is equivalent to the following R20 LP's / FP:  3HE16254AA NSP LICENSE POINT  3HE16001AA NSP CLASSIC MANAGEMENT FP  3HE16003AA NSP NETWORK INFRASTRUCTURE MANAGEMENT FP  3HE16004AA NSP SERVICE ACTIVATION + CONFIG. FP  3HE16005AA NSP SERVICE ASSURANCE FP  <b>3HE16086AA NSP APPLIANCE HA / DR LP</b></p> <p>Appliance scale is 2,000 Networks Elements, subject to a maximum of 1,500 MDA equivalents. (Platform sizing recommended)</p> <p><b>Upgrades are only supported by an annual Software Release Subscription (SRS).</b></p>		<p>\$317,200.00</p>
<p><b>3HE15892FA</b></p>	<p>Order this P/N to receive the following: Qty. 1 NSP Appliance on a HP DL380 Gen 10 server with the NSP 20 S/W Application &amp; RHEL OS preloaded, and Qty. 800 NSP Appliance LPs.</p> <p>NOTE - The NSP Appliance LP is equivalent to the following R20 LP's / FP:  3HE16254AA NSP LICENSE POINT  3HE16001AA NSP CLASSIC MANAGEMENT FP  3HE16003AA NSP NETWORK INFRASTRUCTURE MANAGEMENT FP  3HE16004AA NSP SERVICE ACTIVATION + CONFIG. FP  3HE16005AA NSP SERVICE ASSURANCE FP</p> <p>Appliance scale is 2,000 Networks Elements, subject to a maximum of 1,500 MDA equivalents. (Platform sizing recommended)</p> <p><b>Upgrades are only supported by an annual Software Release Subscription (SRS).</b></p>		<p>\$233,410.00</p>
<p><b>3KC73705AAAA</b></p>	<p>Network Functions Manager-Transport (NFM-T) Standard Base Product License. Included embedded RHEL support. Only to be offered to customers with contracted OS support.</p> <p><b>UPGRADES ARE ONLY SUPPORTED BY AN ANNUAL SOFTWARE RELEASE SUBSCRIPTION (SRS).</b></p>	<p>This P/N is associated with a Lic. Key.</p>	<p>\$83,132.00</p>

End of NM Catalog Pricing

# SCCHEDULE B- PRICING

Contract # 18000000497

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

IPR Services



IP Router - IPR SERVICES			
Part No	Description	Metric	Price
<b>INSTALLATION AND IMPLEMENTATION</b>			
301091625	Program Management - Remote	per hour	\$ 225
301071247	Technical Project Manager	per hour	\$ 225
301036679	Site Survey - OnSite	per site	\$ 1,950
301036679	Engineering - Remote	per hour	\$ 175
301036786	Installation - OnSite (T&L not included)	per hour	\$ 135
301071387	Site Materials	priced per specific site conditions	Custom
<b>RESIDENT ENGINEER</b>			
3HE06254AA	NOC Engineer Support (ONSITE - 1 Month)	per year	\$ 51,300
3HE09107AA	NOC Engineer Support (ONSITE - 1 Year)	per month	\$ 350,000
3HE06627AA	Architecture Engineer Support (ONSITE - 1 Month)	per year	\$ 51,300
3HE09108AA	Architecture Engineer Support (ONSITE - 1 Year)	per year	\$ 350,000
3HE06628AA	NSP Engineer Support (ONSITE - 1 Month)	per month	\$ 51,300
3HE09109AA	NSP Engineer Support (ONSITE - 1 Year)	per year	\$ 350,000
<b>FIELD CORRECTIVE MAINTENANCE</b>			
3HE09054AA	Field Corrective Maintenance (FCM) 24x7x4HR	per network	Custom
3HE09055AA	Field Corrective Maintenance (FCM) 8x5x4HR	per network	Custom
3HE09056AA	Field Corrective Maintenance (FCM) 24x7xNBD	per network	Custom
<b>DESIGN &amp; INTEGRATION SERVICES</b>			
3HE06629AA	L2 wireline Design	per day	\$ 1,840
3HE09367AA	L2 / L3 wireline / MWBH design	per day	\$ 1,840
301094207	LTE Backhaul & Core Router Design and Integration	per day	\$ 1,840
3HE06636AA	Network Design Consultation	per day	\$ 1,840
3HE09043AA	Nuage Professional Services	per day	\$ 1,840
3HE02934AA	NSP Integration - (Remote)	per hour	\$ 240
3HE09347AA	NSP Integration - (Onsite) - T&L not included	per hour	\$ 240
3HE06639AA	NSP SW Upgrade (Remote)	per hour	\$ 240
3HE04124AA	NSP SW Upgrade (Onsite) - T&L not included	per hour	\$ 240
3HE04256AA	NSP Operations Consulting	per hour	\$ 240
3HE06631AA	Network Integration 7x50 SR/ESS	per hour	\$ 230
3HE06632AA	Network Integration 7705 SAR	per hour	\$ 230
3HE07796AA	Network Integration 7210 SAS	per hour	\$ 230
3HE02941AA	Design & Integration - General IP Routing - 7750 SR, 7705 SAR, 7210 SAS	per hour	\$ 230
3HE07153AA	Network Integration 7750 SR, 7705 SAR, 7210 SAS - (Onsite 1 Week)	per week	\$ 16,500

**\* Notes:**

**\*Pricing Instructions:**

1. All hourly rates are based on a 40-hour work week and normal business hours.
2. Ordering codes are subject to change and will be determined when an official quote is provided by Nokia
3. Site Survey is limited to the United States, excluding Hawaii and Canada
4. Site Survey Assumptions: Pricing includes performing a basic site survey, which includes verification of equipment bay location, peripheral equipment termination assignments, power type and termination assignments, and cable running routes.

5. Installation and Implementation Services pricing does not apply to states with prevailing wages statutes. Pricing will be quoted based on individual State adherence to prevailing wage requirements
6. Program Management and TPM performed remotely.
7. All services are subject to specific definitions, inclusions, exclusions, terms, etc. as defined in a Statement of Work that will accompany each price quote from Nokia.
8. Rates do not include travel and living expenses unless otherwise noted. T&L will be added at time of final quoting.
9. On-site Installation hourly rate may require T&L depending on site location and distance from an installation base; TBD once site information is provided.
10. All Design & Integration Services listed above are assumed to be performed remotely unless otherwise noted. If onsite support is required, T&L will be added at time of final quoting (i.e. on-site hourly rate may require T&L depending on site location)

<b>OPTICAL SERVICES</b>			
<b>Part No</b>	<b>Description</b>	<b>Metric</b>	<b>Price</b>
<b>INSTALLATION AND IMPLEMENTATION</b>			
301091633	Program Management - Remote	per hour	\$ 225
301071247	Technical Project Manager	per hour	\$ 225
300519295	Site Survey - OnSite	per site	\$ 1,950
300519295	Engineering - Remote	per hour	\$ 175
300466612	Installation - OnSite (T&L not included)	per hour	\$ 135
3EF18786BGAA	Site Materials	priced per specific site conditions	Custom
<b>RESIDENT ENGINEER</b>			
300783339	Optical Resident Engineer - 1 Year	per person	\$ 350,000
<b>FIELD CORRECTIVE MAINTENANCE</b>			
300865524	Field Corrective Maintenance (FCM) 24x7x4 hrs.	per network	Custom
300865540	Field Corrective Maintenance (FCM) 24x7x NBD	per network	Custom
<b>INTEGRATION</b>			
300472503	Optical Integration - OnSite	per week	\$ 16,500
3HE02941AA	Optical Integration - T&L not included	per hour	\$ 220
300472503	Optical Integration - Pre-Staging Texas	per unit	\$ 651
301088191	Remote NFM-T Integration support	per hour	\$ 240

**\* Notes:**

**\*Pricing Instructions:**

1. All hourly rates are based on a 40-hour work week and normal business hours.
2. Ordering codes are subject to change and will be determined when an official quote is provided by Nokia
3. Site Survey is limited to the United States, excluding Hawaii and Canada
4. Site Survey Assumptions: Pricing includes performing a basic site survey, which includes verification of equipment bay location, peripheral equipment termination assignments, power type and termination assignments, and cable running routes.
5. Installation and Implementation Services pricing does not apply to states with prevailing wages statutes. Pricing will be quoted based on individual State adherence to prevailing wage requirements
6. Program Management and TPM performed remotely.
7. All services are subject to specific definitions, inclusions, exclusions, terms, etc. as defined in a Statement of Work that will accompany each price quote from Nokia.
8. On-site rates include travel and living expenses unless otherwise noted. T&L will be added at time of final quoting.
9. On-site Installation hourly rate may require T&L depending on site location and distance from an installation base; TBD once site information is provided.

**SCHEDULE B- PRICING**

**Contract # 18000000497**

Section 2. Pricing Catalog- Via CN 2, Effective 10/1/2021

IPR Maintenance **NOKIA**

IPR Maintenance					
Part No	Description	Metric	MSRP	Discount %	Unit Price
Pricing Calculation Instructions: 1 - RTS, RFR and RES-AE fees are paid annually 2 - % based RTS Gold, RFR and RES-AE Prices = % fees listed below x total sell price of all HW & SW including license fees. These % fees must meet or exceed the minimums listed below (% amount cannot be below the minimum).					
<b>REMOTE TECHNICAL SUPPORT</b>					<b>Price per Year</b>
301013231	Remote Technical Support Gold with NSP (7705 SAR, 7210 SAS, 210 WBX)	% of sell price (per year)	5.0%	-	5.0%
301013231	Remote Technical Support Gold with NSP (7750 SR, 7750 Sre, 7750 SRa, 7250 IXR)	% of sell price (per year)	7.5%	-	7.5%
301013231	Remote Technical Support Gold (Nuage, VSR, Deepfield)	% of sell price (per year)	5.0%	-	5.0%
301013231	Remote Technical Support (minimum base price for network - 7705 SAR, 7210 SAS, 210 WBX, NSG)	per project	\$ 5,833	40%	\$ 3,500
301013231	Remote Technical Support (minimum base price for network - 7750 SR, 7750 SRe, 7750 SRa, 7250 IXR)	per project	\$ 7,500	40%	\$ 4,500
301013231	Remote Technical Support (minimum base price for network ) Deepfield	per project	\$ 10,667	40%	\$ 6,400
301013231	Remote Technical Support (minimum base price for network NSP platform stand alone)	per project	\$ 5,833	40%	\$ 3,500
<b>HARDWARE RETRUN FOR REPAIR RES-RFR)</b>					<b>Price per Year</b>
Pricing is applicable after product warranty expires (typically after year 1)					
301048468	RES-RFR - all HW products	% of sell price (per year)	5.0%	-	5.0%
301048468	RES-RFR (minimum base price for network ) 7705 SAR, 7210 SAS, 7750 SR, 7750 SRe, 7750 SRa, 7250 IXR, NSG	per project	\$ 6,250	40%	\$ 3,750
301048468	RES-RFR (minimum base price for network ) 7850 VSG / VSA	per project	\$ 11,667	40%	\$ 7,000
<b>HARDWARE REPAIR &amp; REPLACEMENT - ADVANCED EXCHANGE (RES-AE)</b>					<b>Price per Year</b>
301048450	RES-AE-NBD - all HW products Year 1	% of sell price (per year)	4.0%	-	4.0%
301048450	RES-AE-NBD - all HW products Year 2	% of sell price (per year)	7.5%	-	7.5%
301048476	RES-AE-4HR - all HW products Year 1	per unit/per year	Custom quoted based on geographic location	-	Custom quoted based on geographic location
301048476	RES-AE-4HR - all HW products Year 2	per unit/per year	Custom quoted based on geographic location	-	Custom quoted based on geographic location
301048450	RES-AE (minimum Year 1 price for base network) 7705 SAR, 7210 SAS, 7750 SR, 7750 SRe, 7750 SRa, 7250 IXR, NSG	per project	\$ 5,833	40%	\$ 3,500
301048450	RES-AE (minimum Year 2 price for base network) 7705 SAR, 7210 SAS, 7750 SR, 7750 SRe, 7750 SRa, 7250 IXR, NSG	per project	\$ 10,417	40%	\$ 6,250
301048450	RES-AE (minimum Year 1 price for base network) 7850 VSG / VSA	per project	\$ 10,833	40%	\$ 6,500
301048450	RES-AE (minimum Year 2 price for base network) 7850 VSG / VSA	per project	\$ 33,333	40%	\$ 20,000
301048450	RES-AE (minimum Year 1 price for base network) NSG	per project	\$ 917	40%	\$ 550

301048450	RES-AE (minimum Year 2 price for base network) NSG	per project	\$ 3,667	40%	\$ 2,200
<b>SOFTWARE SUBSCRIPTION PLANS</b>					<b>Price per Year</b>
3HE01807AB	SRS Annual Fee - 7750 SR(x), 7210 SAS, 7250 IXR	% of sell price (per year)	2.5%	-	2.5%
3HE11172AA	SRS Annual Fee - VSR	% of sell price (per year)	20.0%	-	20.0%
3HE05610AB	SRS Annual Fee - 7705 SAR	% of sell price (per year)	2.5%	-	2.5%
3HE09697AB	SRS Annual Fee - Nuage	% of sell price (per year)	20.0%	-	20.0%
3HE14107AA	SRS Annual Fee - DEEPFIELD	% of sell price (per year)	20.0%	-	20.0%
8DG43280AAAA	SRS Annual Fee - NFM-T	% of sell price (per year)	20.0%	-	20.0%
3HE10161AA	SRS Annual Fee - NFM-P	% of sell price (per year)	20.0%	-	20.0%
3HE12103AA	SRS Annual Fee - VSAP	% of sell price (per year)	20.0%	-	20.0%
3HE13428AA	SRS Annual Fee - VNO	% of sell price (per year)	20.0%	-	20.0%

## OPTICAL MAINTENANCE

Part No	Description	Metric	NASPO Unit Price *
<b>REMOTE TECHNICAL SUPPORT</b>			
301048005	Remote Technical Support Gold - All Products	per unit/per year	5% IBV
<b>REPAIR EXCHANGE SERVICES</b>			
301048492	Repair and Exchange Service (all products) post warranty period	per unit/per year	5% IBV
301048484	Advanced Repair and Exchange Service Next Day (all products) - Year 1	per unit/per year	4% IBV
301048484	Advanced Repair and Exchange Service Next Day (all products) - Year 2+	per unit/per year	7.5% IBV
301048500	Advanced Repair and Exchange Service 4hr (all products)	per unit/per year	CUSTOM
<b>SOFTWARE RELEASE SUBSCRIPTION</b>			
3KC69726AAAA	1830 PSS-4 SSP	per unit/per year	5% IBV
3KC69727AAAA	1830 PSS-8 SSP	per unit/per year	5% IBV
3KC69728AAAA	1830 PSS-16II/16 SSP	per unit/per year	5% IBV
3KC69729AAAA	1830 PSS-32 SSP	per unit/per year	5% IBV
3KC69731AAAA	1830 PSS-24X SSP	per unit/per year	5% IBV
8DG43280AAAA	NSP NFM-T	per unit/per year	20% NSP IBV
109767749	Software Subscription Plan (all other products)	per unit/per year	5% IBV



\*Pricing Instructions:

- 1 - Remote Technical Support Price = 5% of IBV (Installed Base Value) with a minimum fee of \$2,000
- 2 - Repair Exchange Services = % of IBV (Installed Base Value) with a network minimum of \$3,500 for R4R and \$6,500 for AES
- 3 - Nodal Fees must be paid annually
- 4 - RTS Silver price = RTS Gold Price x 95% : RTS Bronze price = RTS Gold Price x 90%
- 5 - All hourly rates are based on a 40-hour work week
- 6 - Onsite rates do not include travel and living expenses
- 7 - Ordering codes are subject to change and will be determined when an official quote is provided by Nokia

End of IPR and Optical Maintenance

## **SCHEDULE C – DATA SECURITY REQUIREMENTS**

**1. Definitions.** For purposes of this Schedule, the following terms have the meanings set forth below. All initial capitalized terms in this Schedule that are not defined in this **Schedule** shall have the respective meanings given to them in the Contract.

“**Contractor Security Officer**” has the meaning set forth in **Section 2** of this Schedule.

“**FedRAMP**” means the Federal Risk and Authorization Management Program, which is a federally approved risk management program that provides a standardized approach for assessing and monitoring the security of cloud products and services.

“**FISMA**” means The Federal Information Security Modernization Act of 2014 (Pub.L. No. 113-283 (Dec. 18, 2014.)).

“**Hosting Provider**” means any Permitted Subcontractor that is providing any or all of the Hosted Services under this Contract.

“**NIST**” means the National Institute of Standards and Technology.

“**PCI**” means the Payment Card Industry.

“**PSP**” or “**PSPs**” means the State’s IT Policies, Standards and Procedures.

“**SSAE**” means Statement on Standards for Attestation Engagements.

“**Security Accreditation Process**” has the meaning set forth in **Section 6** of this Schedule

“**State Data**” means any data collected, used, processed, stored, or generated in connection with the State use of Services, including all information and other content of any type and in any format, medium or form, whether audio, visual, digital, screen, GUI or other, that is input, uploaded to, placed into or collected, stored, processed, generated or output by any device, system or network by or on behalf of the State, including any and all works, inventions, data, analyses and other information and materials resulting from any use of the Software by or on behalf of the State under this Contract.

**2. Security Officer.** In the event the Contractor provides Hosted Services in the future, Contractor and MPSCS will mutually agree on any appointment of a Contractor employee to respond to the State’s inquiries regarding the security of the Hosted Services who has sufficient knowledge of the security of the Hosted Services and the authority to act on behalf of Contractor in matters pertaining thereto (“**Contractor Security Officer**”).

**3. Contractor Responsibilities.** Contractor is responsible for establishing and maintaining a data privacy and information security program, including physical, technical, administrative, and organizational safeguards, that is designed to:

- (a) ensure the security and confidentiality of the State Data;
- (b) protect against any anticipated threats or hazards to the security or integrity of the State Data;
- (c) protect against unauthorized disclosure, access to, or use of the State Data;
- (d) ensure the proper disposal of any State Data in Contractor’s or its subcontractor’s possession; and
- (e) ensure that all Contractor Representatives comply with the foregoing.

The State has established Information Technology (IT) PSPs to protect IT resources under the authority outlined in the overarching State 1305.00 Enterprise IT Policy. In no case will the safeguards of Contractor’s data privacy and

information security program be less stringent than NIST 800-53 moderate controls and control values in compliance with applicable regulatory requirements.

This responsibility also extends to all service providers and subcontractors with access to State Data or an ability to impact the contracted solution. Contractor responsibilities are determined from the PSPs based on the services being provided to the State, the type of IT solution, and the applicable laws and regulations.

**4. Acceptable Use Policy.** To the extent that Contractor has access to the State's IT environment, Contractor must comply with the State's Acceptable Use Policy, see [https://www.michigan.gov/documents/dtmb/1340.00.01\\_Acceptable\\_Use\\_of\\_Information\\_Technology\\_Standard\\_458\\_958\\_7.pdf](https://www.michigan.gov/documents/dtmb/1340.00.01_Acceptable_Use_of_Information_Technology_Standard_458_958_7.pdf). All Contractor Personnel will be required, in writing, to agree to the State's Acceptable Use Policy before accessing State systems. The State reserves the right to terminate Contractor's and/or subcontractor(s) or any Contractor Personnel's access to State systems if the State determines a violation has occurred.

**5. Protection of State's Information.** Throughout the Term and at all times in connection with its actual or required performance of the Services, Contractor will:

5.1 maintain and enforce an information security program including safety and physical and technical security policies and procedures with respect to its Processing of the State Data that complies with the requirements of the State's data security policies as set forth in this Contract, and must, at a minimum, remain compliant with NIST Special Publication 800-53 MOD Controls using control values in compliance with applicable regulatory requirements ;

5.2 provide technical and organizational safeguards against accidental, unlawful or unauthorized access to or use, destruction, loss, alteration, disclosure, encryption, transfer, commingling or processing of such information that ensure a level of security appropriate to the risks presented by the processing of State Data and the nature of such State Data, consistent with best industry practice and applicable standards (including, but not limited to, compliance with ISO-27001, and NIST requirements as applicable);

5.3 take all reasonable measures to:

(a) secure and defend all locations, equipment, systems and other materials and facilities employed in connection with the Services against "malicious actors" and others who may seek, without authorization, to destroy, disrupt, damage, encrypt, modify, copy, access or otherwise use Hosted Services or the information found therein; and

(b) prevent (i) the State and its Authorized Users from having access to the data of other customers or such other customer's users of the Services; (ii) State Data from being commingled with or contaminated by the data of other customers or their users of the Services; and (iii) unauthorized access to any of the State Data;

5.4 ensure that State Data is encrypted in transit and at rest using FIPS validated AES encryption modules and a key size of 128 bits or higher;

5.5 APPLIES TO FUTURE HOSTED SERVICES ONLY, INTENTIONALLY LEFT BLANK;

5.6 APPLIES TO FUTURE HOSTED SERVICES ONLY, INTENTIONALLY LEFT BLANK.

**6. Security Accreditation Process.** Throughout the Term, Contractor will assist the State, at no additional cost, with its **Security Accreditation Process**, which includes the development, completion and on-going maintenance of a system security plan (SSP) using the State's automated governance, risk and compliance (GRC) platform, which requires Contractor to submit evidence, upon request from the State, in order to validate applicable Contractor's security controls within two weeks of the State's request. On an annual basis, or as otherwise required by the State such as for significant changes, re-assessment of the system's controls will be required to receive and maintain authority to operate (ATO). All identified risks from the SSP will be remediated through a Plan of Action and Milestones (POAM) process with remediation time frames based on the risk level of the identified risk. For all findings

associated with NIST controls in conjunction with the Contractor's solution as provided within the scope of this Contract, at no additional cost, Contractor will be required to create or assist with the creation of State approved POAMs and perform applicable remediation activities. The State will make any decisions on acceptable risk, Contractor may request risk acceptance, supported by compensating controls, however only the State may formally accept risk. For any findings outside of NIST controls, Contractor and State will mutually agree to costs associated with the resolution.

**7. Unauthorized Access.** Contractor may not access, and shall not permit any access to, State systems, in whole or in part, whether through the applicable Hosted Services or otherwise, without the State's express prior written authorization. Such authorization may be revoked by the State in writing at any time in its sole discretion. Any access to State systems must be solely in accordance with the Contract and this Schedule, and in no case exceed the scope of the State's authorization pursuant to this Section. All State-authorized connectivity or attempted connectivity to State systems shall be only through the State's security gateways and firewalls and in compliance with the State's security policies set forth in the Contract as the same may be supplemented or amended by the State and provided to Contractor from time to time.

**8. Security Audits.**

8.1 During the Term, Contractor will maintain complete and accurate records of its data protection practices, IT security controls, and the security logs relating to State Data, including but not limited to any backup, disaster recovery or other policies, practices or procedures relating to the State Data and any other information relevant to its compliance with this Contract.

8.2 Without limiting any other audit rights of the State, the State has the right to review Contractor's data privacy and information security program prior to the commencement of Services and from time to time during the term of this Contract. The State, at its own expense, is entitled to perform, or to have performed, an on-site audit of Contractor's data privacy and information security program. If the State chooses to perform an on-site audit, Contractor will, make all such records, appropriate personnel and relevant materials available during normal business hours for inspection and audit by the State or an independent data security expert that is reasonably acceptable to Contractor, provided that the State: (i) gives Contractor at least five (5) Business Days prior notice of any such audit; (ii) undertakes such audit no more than once per calendar year, except for good cause shown; and (iii) conducts or causes to be conducted such audit in a manner designed to minimize disruption of Contractor's normal business operations and that complies with the terms and conditions of all data confidentiality, ownership, privacy, security and restricted use provisions of the Contract. In the event the Contractor provides Hosted Services in the future, the State may, but is not obligated to, perform such security audits, which may, upon mutual agreement of the Parties, include penetration and security tests, of any and all Hosted Services and their housing facilities and operating environments. During the Term, Contractor will, when requested by the State, provide a copy of Contractor's ISO 27001 certificate to the State within thirty (30) days of the State's request. State may request additional applicable certifications, if available. The ISO 27001 certificate will be recognized as Contractor's Confidential Information.

8.3 With respect to State Data, Contractor must implement mutually agreed upon safeguards resulting from an audit of Contractor's data privacy and information security program.

8.4 The State reserves the right, at its sole election, to terminate this Contract or a Statement of Work in accordance with **Section 23, Termination for Default**.

**9. Application Scanning.** During the Term, Contractor must, at its sole cost and expense, scan all Contractor provided applications, analyze and risk assess all vulnerabilities, and remediate and validate such vulnerabilities identified by the scans prioritized based on criticality from high to low.

Contractor's application scanning and remediation must include each of the following types of scans and activities:

9.1 Dynamic Application Security Testing (DAST) – Scanning interactive application for vulnerabilities, analysis, remediation, and validation (may include Interactive Application Security Testing (IAST)).

(a) Contractor must dynamically scan a deployed version of the Software using a industry standard application scanning tool, and provide the State verification that such scans have been completed, upon request by the State. These scans and assessments i) must be completed regularly and for each major release; and ii) scans must be completed in a non-production environment with verifiable matching source code and supporting infrastructure configurations or an actual production environment.

9.2 Static Application Security Testing (SAST) - Scanning source code for vulnerabilities, analysis, remediation, and validation.

(a) For Contractor provided applications, Contractor, at its sole expense, must provide resources to complete static application source code scanning, including the analysis, remediation and validation of vulnerabilities identified by application source code scans. These scans must be completed for all source code initially, for all updated source code, and for all source code for each major release and Contractor must provide verification that such scans have been completed, upon the State's request.

9.3 Software Composition Analysis (SCA) – Third Party and/or open source scanning for vulnerabilities, analysis, remediation, and validation.

(a) For Software that includes third party and open source software, all included third party and open source software must be documented and the source supplier must be monitored by the Contractor for notification of identified vulnerabilities and remediation. SCA scans may be included as part of SAST or DAST scanning or employ the use of an SCA tool to meet the scanning requirements. These scans must be completed for all third party and open source software initially, for all updated third party and open source software, and for all third party and open source software in each major release.

#### **10. Nonexclusive Remedy for Security Breach.**

10.1 Any failure of the Services to meet the requirements of this Schedule with respect to the security of any State Data or other Confidential Information of the State is a material breach of the Contract for which the State, at its option, may terminate the Contract in accordance with Section 23, Termination for Default.

# STATE OF MICHIGAN

## SCHEDULE D COMPREHENSIVE LIFECYCLE MAINTENANCE PLAN

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### 1. Introduction and definitions for purpose of this SOW

This Statement of Work (“SOW”) describes the deliverables, the Parties’ respective responsibilities and other conditions applicable for the provision of Care Services (“Service(s)”) by Nokia of America Corporation (“the Contactor”) for the State of Michigan’s Michigan Public Safety Communications System (“MPSCS”). Performance of the Services described in this SOW will be governed by the State of Michigan Contract Number 180000000497, as amended via Change Notice(s).

#### Definitions for purpose of this SOW:

“**OLCS Alert**” means the Contractor’s On-Line Customer Support (OLCS) notification that appears when the State signs into the Contractor’s customer support website which provides MPSCS the supported product online content like technical product documents, software releases (Maintenance Release or Update Release, Patch Release, and Feature Release), technical product alerts, support ticket request, etc.

“**Feature Release**” means the collection of commercially significant functionality and Software corrections, made available by Contractor as a deliverable of separate commercial agreement. Any Feature Release purchase is optional and is not required for use of the Software.

“**Patch Release**” means an unscheduled release containing Software corrections or other remedial measures, made available by Contractor as a deliverable of Contractor Support Service Agreement.

“**Maintenance Release**” or “**Update Release**” means a software release that contains modifications intended to resolve problems that prevent products from performing up to the manufacturer’s technical specifications. Typically, they are comprised of a collection of individual Patch Releases.

“**Remote Access**” means Contractor’s ability to access the MPSCS network from an offsite location to provide remote support as detailed in this SOW. For clarity, Contractor will not access State of Michigan networks, Contractor will only have Remote Access to the MPSCS network.

## **2. Software Support Service**

### **2.1. Service Description**

Service consists in providing remote support within the agreed response times for the Supported Products. Support, by way of example: Answering product-related questions, troubleshooting assistance, providing diagnostic procedures, investigating suspected software defects, and remedying errors and malfunctions providing access to Patch- and / Maintenance- Releases as may become available.

For situations where part or all the network's functionalities are not available, the Service offers fast restoration of MPSCS's end-user services or network equipment for Supported Products, including investigation, troubleshooting and continuous remote support by the Contactor's experts until the functionality is restored.

### **2.2. Deliverables**

The Contactor will provide:

- A. Online access to product specific customer support content of the Nokia.com web-site. Online content may include technical product support information, subscription services, and other facilities, all provided in English language.
- B. Online access to Patch Releases, or Maintenance Releases for Supported Products, when available, and according to the life-cycle defined for each Supported Product.
- C. Online access to Release documentation, describing improvements, minor enhancements, fault corrections as well as standard installation instructions and procedures for Patch Releases or Maintenance Releases in electronic format.
- D. Provide MPSCS access for opening Ticket Requests, according to agreed service level.
- E. Confirmation of MPSCS's Ticket Requests.
- F. Troubleshooting of problems, via phone, or virtual private network, down to Supported Products component level, or sufficiently to exclude Supported Products as the root cause.
- G. In the event of service disruption, providing support via phone, or virtual private network for restoring Supported Products to operational status by identifying defective hardware components or providing software and/or procedural workarounds, where feasible.
- H. Provide solutions to problems by providing software and/or procedural workarounds, where feasible.
- I. Provide in case of material performance-affecting errors or malfunctions in the Software, corrective action to restore product performance. Such corrective action may, at the sole discretion of the Contactor, initially include temporary patch changes followed by further modification of the Software to achieve removal of such material errors or malfunctions.
- J. Provide answers to technical queries and requests for information, relating to operational problems experienced by MPSCS in its daily network operations and maintenance.

### **2.3. Supported Products and Software**

- A. This Service is:

1. Intended for Supported Products deployed in a commercial communications network and
2. Provided for issues detected in said Supported Products that are demonstrable in the currently supported releases of Software, running unaltered, and on an appropriate run-time-environment as specified by the Contactor.
  - a. Coverage may be extended to Supported Products used in MPSCS's own lab for testing purposes before and during commercial use in MPSCS's network. In such events, Service will be provided during normal Business Hours without regard to the Support Level applicable to MPSCS's other Supported Products and subject to any specific Non-Production Targets set out in section Service Delivery Targets and Service Hours.
  - b. Supported Software releases are defined by the life-cycle specific for each Supported Product or product line.

**B. This Service covers Supported Products:**

1. Installed and integrated by the Contactor, or
2. Installed by MPSCS and certified by the Contactor, or
3. By MPSCS trained by the Contactor.

Any required software corrections will be provided either in a scheduled Maintenance Release or in a Patch Release.

The Nokia installed based hardware related to this Contract is and will be compatible with new software releases for no less than three (3) years following the Effective Date of the change notice adding this Schedule D to the Contract.

## **2.4. Service Levels**

Service Level defines the service delivery targets and in addition, the Service Hours and service access methods available to MPSCS. All requests for assistance from MPSCS are considered as Ticket Requests.

**A. Ticket Request Classification**

1. To classify a request, the Contactor technical support personnel will confirm with MPSCS the impact of the reported problem to determine an appropriate classification ("TR Classification").
2. Where the parties disagree on the classification of a particular reported problem, MPSCS and the Contactor technical contacts will discuss the classification in good faith to reach a mutually acceptable classification.
3. In the event the parties are unable to reach agreement on the classification, the Contactor reserves the right not to consider the reported problem in the overall SLA performance targets.
4. Severity definitions for a Ticket Request (for all products except FN ONT, MDU, CPE Equipment):



<b>Critical</b>	<p>Severity Critical issues are conditions under which a software/feature is inoperative and MPSCS's inability to use the licensed product/service has a critical effect on MPSCS operations. These are conditions that severely affect the primary functionality of the product such as:</p> <ul style="list-style-type: none"> <li>▪ Product inoperability</li> <li>▪ A significant reduction in the performance, i.e., traffic/data handling capability, such that designed-for loads cannot be handled.</li> <li>▪ Any loss of emergency capability (e.g. emergency calls, duplex failure)</li> <li>▪ Safety hazard or risk of security breach.</li> </ul> <p>Due to the business impacting nature a Critical issue requires non-stop immediate corrective action until restoration, regardless of time of day or day of the week.</p>
<b>Major</b>	<p>Severity Major issues are conditions under which a software/feature is partially inoperative but is still usable by the MPSCS. The product is usable, but a condition exists that seriously degrades the product operation, maintenance or administration, etc., and requires attention during pre-defined standard hours to resolve the situation. The urgency is less than in critical situations because of a lesser immediate or impending effect on problem performance, customers and the customer's operation and revenue such as:</p> <ul style="list-style-type: none"> <li>▪ Reduction in product's capacity (but still able to handle the designed-for load), i.e. simplex failure (loss of redundancy)</li> <li>▪ Any loss of administrative or maintenance visibility of the product and/or diagnostic capability</li> <li>▪ Repeated degradation of an essential component or function</li> <li>▪ Degradation of the product's ability to provide any required notification of malfunction.</li> </ul>
<b>Minor</b>	<p>Severity Minor issues are conditions under which a software/feature is usable by the MPSCS, with limited impairment on the function(s) of the system. The condition is of a lesser severity than Critical or Major and is not critical to overall customer operations and does not restrict such operations. By default, all issues occurring on non-production environments should be registered as incidents with minor priority, unless stipulated otherwise in the customer contract.</p>
<b>Information Request</b>	<p>An Information Request is any product/technology related question that is not related to a reported problem with the Contactor product or technology. The answer to the question is the resolution for an information request, not the resolution of the underlying problem.</p>

Please note that for MN and NSW Core products Critical Incidents require entitlement for Emergency Service.

**B. Service Delivery Outcomes**

The following outcomes of the service delivery are to be used in assessing the Contactor's service performance. These are the definitions for the Service Delivery Outcomes. The service delivery targets in the "Service Delivery Targets and Service Hours" section indicates the SLA.

Initial response (Critical)	the Contactor's service engineer attempts to contact MPSCS, typically via phone after initially reviewing the case.
Initial response (all others)	Response sent by the Contactor's service engineer after initially reviewing the case. The information communicated in the Initial Response typically includes the name of the contact person who will be handling the matter, the case identification details, a determination of the severity classification of the case, and possibly any requirements for additional information needed from the MPSCS about the nature of the reported problem.
Restoration	Neutralization of the impact of MPSCS's end-user services or network equipment in the event of service disruption, where either part or all the network's functionalities are not available.

Temporary Solution	A temporary measure implemented to manage a problem and is intended to minimize harmful effects until a permanent solution can be implemented. A Temporary Solution may include operational advice or a modification and is measured from time the Contactor communicates the availability of a Temporary Solution to the MPSCS.
Solution	A procedural solution, or modification, or answer to address a problem is made available to MPSCS. If the Solution is for a SW defect, the target shown is when the Software package that corrects the reported problem is made available.
Solution (Information Request)	A clarification and qualified answer to the question, containing information related to operational problems experienced by MPSCS in its daily network operations and maintenance activities.

Please note that for **MN** and **NSW** Core products Critical Incidents require entitlement for Emergency Service.

**C. Access Methods**

MPSCS's access to Service are as follows:

Service	Access to Service
Critical	24/7, phone
All Other	24/7, phone, email, web

**D. Service Delivery Targets and Service Hours**

The following Targets will apply to service outcomes in response to a Ticket Request within the scope of Service:

1. Service Levels for Mobile Networks Products:

**Service Level: Gold**

Service Product	Severity	Initial Response 1)	Restoration 2), 3), 4)	Temporary Solution	Solution
Emergency Support Service	Critical	15 M	4 hours	2 BD	30 CD
Software Maintenance Service	Major	1 BH	Not applicable	Not applicable	7 CD
	Minor	8 BH			120 CD
	Information Request	4 BH			3 BD

- a. Service delivery performance target is ninety percent (90%). Performance is calculated by using a rolling average over twelve (12) months as follows:
- b. For all outcomes, due within a calendar year:  
(closed within the calendar year / due within the calendar year) x 100%
- c. Please note that Remote Access to impacted systems in the network is mandatory to be able to effectively investigate and provide a Restoration, Temporary Solution or Solution delivery within agreed time periods.
- d. Please note that Service delivery performance target for lab/non-production Support Tickets are not applicable.

- e. Specific Notes (referenced in table):
- 1) Critical Ticket Requests can only be opened by phone. For Major, Minor Ticket Requests or Information Request can be opened via the web, five (5) minutes will be added to all Respond targets submitted via the Contactor's on-line web form. For Major and Minor Ticket Requests sent to the Contactor via email, 60 minutes will be added to all Respond targets.
  - 2) Restore targets only apply to outage conditions (service or functionality) that can be entirely neutralized remotely. MPSCS personnel is required to be on-site during restoration.
  - 3) Target does not apply when Supported Products are not installed in redundant configurations, if available.
  - 4) If MPSCS requires a service window (i.e. scheduled downtime of the network) to address a reported problem, the scheduled interval will not be included within the Restore time, since during the scheduled period the Contactor cannot perform activities.

2. Service Credits for Mobile Networks Products ("MN Service Credits"):

- a. Failure to meet the Mobile Networks Products yearly Respond or Resolve performance target of 90% for critical severity tickets specific to production environment as described herein may result in the assessment of MN Service Credits. The MN Service Credit assessment will be calculated as follows:
- b. Yearly Respond Time Target miss: MN Service Credit of up to 2% of Technical Support Annual Maintenance Total Value may apply.
- c. Yearly Resolve Time Target miss: MN Service Credit of up to 3% of Technical Support Annual Maintenance Total Value may apply.
- d. In any case, the total MN Service Credit shall not exceed 5% per year of technical support Annual Maintenance Total Value.
- e. MN Service Credit Specific Notes:
  - 1) Exclusive Remedy. Except in the event of a termination by State for Contractor's default, the Parties agree that these MN Service Credits are the sole and exclusive remedy for Contractor's failure to meet the Service Level times set forth above and shall be in lieu of all liability for any and all extra costs, losses or expenses, claims, penalties, and other damages of whatsoever nature incurred by MPSCS.
  - 2) MN Service Credits shall not apply to any renewal term or extensions without the parties written mutual consent.
  - 3) Use of MN Service Credits. MN Service Credits are available to MPSCS to purchase MN Products, license MN Software, or purchase MN Services only. MN Service Credits issued in one (1) year must be used by the end of the following year or they will be forfeited. In no event shall MPSCS sell, assign, negotiate or offer to sell, assign or negotiate any MN Service Credits to any affiliate, subsidiary or any third party. Any such sale, assignment or negotiation of MN Service Credits shall be null and void.

- 4) Network Access. MPSCS must give Contractor access to the Supported Products identified in Schedule D, Appendix A, as requested and required by Contractor.
- 5) MN Service Credits will only apply on Critical Severity Tickets.
- 6) In the event the Contractor misses both the Respond and the Resolve targets on the same ticket, the performance calculation will only accrue one (1) miss.
- 7) Performance calculation will be assessed on a 12 month rolling window calendar as set forth above.
- 8) Performance calculation will have to account for more than 10 Critical Severity Tickets for a MN Service Credit to be applied.
- 9) MN Service Credits does not apply when Supported Products are not installed in redundant configurations.
- 10) If MPSCS requires a service window (i.e. scheduled downtime of the network) to address a reported problem, the scheduled interval will not be included within the Restoration time, since during the scheduled period Contractor cannot perform activities.
- 11) If on-site intervention is required to resolve a hardware problem (e.g., replacing a faulty Supported Products), the Restoration target is temporarily suspended during that time period. It will restart once the hardware problem is corrected (e.g., a new or repaired Supported Products is installed in the network).
- 12) MN Service Credit Exclusions. Contractor shall not be liable for MN Service Credits to MPSCS if Contractor's failure to achieve Service Target(s) was/were directly attributable to :
  - i. The operation of the Equipment, Software or network by MPSCS outside their design parameters and/or operating conditions;
  - ii. Unauthorized changes, revisions or modifications to the Equipment, Software or network;
  - iii. Power failures, failure of network facilities or network elements that are not deployed in a fully redundant configuration, with an uninterruptable power source (UPS) and/or DC Batteries, where such configuration and UPS and/or DC Batteries is offered or recommended by Contractor or others;
  - iv. MPSCS's failure to maintain MPSCS obligations under Section 2.6;
  - v. MPSCS's failure to implement all Contractor-recommended corrective measures, recovery and system stabilization procedure, or applicable instructions;
  - vi. MPSCS's failure to implement all broadcast warning messages and Software updates in a commercially reasonable amount of time upon receipt of OLCS Alert(s);
  - vii. INTENTIONALLY LEFT BLANK;
  - viii. Any outage that is primarily attributable to non-Contractor-provided equipment;

- ix. Defects in equipment, software, and/or services not manufactured or supplied by Contractor or its contractors;
- x. The actions of a third party, where the third party is not under the control of Contractor or its contractors;
- xi. INTENTIONALLY LEFT BLANK;
- xii. Reasons of force majeure or any other reasons beyond the reasonable control of Contractor.
- xiii. For delays or inaccuracies in reporting, access or implementation caused by State of Michigan or its 3rd party contractors;

In addition, Contractor shall not be liable for MN Service Credits to MPSCS, or any other costs as provide for herein, where the failure to perform occurs during first application test, controlled introduction or special experimental loads or trials, use of Equipment or Software to general availability, limited pre-commercial service launch, scheduled maintenance periods or planned and mutually agreed to outages, or for any outage occurring prior to the execution of this Change Notice.

**3. Service Levels for ION Products- Production Environments:**

**Service Level: Gold – ION Products**

Service Product	Severity	Initial Response 1)	Restoration 2), 3), 4)	Temporary Solution	Solution
Technical Support	Critical	15 M	4 H	NT	30 CD
	Major	1 H	12 H		45 CD
	Minor	4 H	Not applicable	Not applicable	120 CD
	Information Request	4 BH			4 BD

The table above is applicable to all IP product and Optics Products: 1830, NFM-T, WaveSuite, and WaveLite. These Optics products represent our current generation of technology and therefore this table will be useable for all new opportunities.

a. General Notes:

- 1) Service delivery performance target is ninety two percent (92%).
- 2) Performance is calculated by using a rolling average over 12 (twelve) months as follows:
- 3) For all outcomes, due within a calendar year:  
(closed within the calendar year / due within the calendar year) x 100%

b. Specific Notes (referenced in table):

- 1) Critical Ticket Requests can only be opened by phone. For Major and Minor Ticket Requests opened via the web, five (5) minutes will be added to all Respond targets submitted via the Contactor’s on-

line web form. For Major and Minor Ticket Requests sent to the Contactor via email, 60 minutes will be added to all Respond targets.

- 2) Restore targets only apply to outage conditions (service or functionality) that can be entirely neutralized remotely. If an on-site intervention is necessary, the travel time to arrive at Site is added to the Restore time target or discounted from the Restore interval. Additional fees may apply.
  - 3) Target does not apply when Supported Products are not installed in redundant configurations, if available.
  - 4) If MPSCS requires a service window (i.e. scheduled downtime of the network) to address a reported problem, the scheduled interval will not be included within the Restore time, since during the scheduled period the Contactor cannot perform activities.
- c. If on-site intervention is required to resolve a hardware problem (e.g., replacing a faulty Supported Products), the Restore/Restoration target is temporarily suspended during that time period. It will restart once the hardware problem is corrected (e.g., a new or repaired Supported Products is installed in the network).
4. Service Credits for ION Products (ION Service Credits”):
- a. Failure to meet the ION Networks Products yearly Respond or Resolve performance target of 92% for critical severity tickets specific to production environment as described herein may result in the assessment of ION Service Credits. The ION Service Credit assessment will be calculated as follows:
  - b. Yearly Respond Time Target miss: ION Service Credit of up to 2% of Technical Support Annual Maintenance Total Value may apply.
  - c. Yearly Resolve Time Target miss: ION Service Credit of up to 3% of Technical Support Annual Maintenance Total Value may apply.
  - d. In any case, the total ION Service Credit shall not exceed 5% per year of technical support Annual Maintenance Total Value.
  - e. ION Service Credit Specific Notes:
    - 1) Exclusive Remedy. Except in the event of a termination by State for Contractor’s default, the Parties agree that these ION Service Credits are the sole and exclusive remedy for Contractor’s failure to meet the Service Level times set forth above and shall be in lieu of all liability for any and all extra costs, losses or expenses, claims, penalties, and other damages of whatsoever nature incurred by MPSCS.
    - 2) ION Service Credits shall not apply to any renewal term or extensions without the parties written mutual consent.
    - 3) Use of ION Service Credits. ION Service Credits are available to MPSCS to purchase ION Products, license ION Software, or purchase ION Services only. ION Service Credits issued in one (1) year must be used by the end of the following year or they will be forfeited. In no event shall MPSCS sell, assign, negotiate or offer to sell, assign or negotiate any ION Service Credits to any



affiliate, subsidiary or any third party. Any such sale, assignment or negotiation of ION Service Credits shall be null and void.

- 4) Network Access. MPSCS must give Contractor access to the Supported Products identified in Schedule D, Appendix A, as requested and required by Contractor.
- 5) ION Service Credits will only apply on Critical Severity Tickets.
- 6) In the event the Contractor misses both the Respond and the Resolve targets on the same ticket, the performance calculation will only accrue one (1) miss.
- 7) Performance calculation will be assessed on a 12 month rolling window calendar as set forth above.
- 8) Performance calculation will have to account for more than 10 Critical Severity Tickets for an ION Service Credit to be applied.
- 9) ION Service Credits does not apply when Supported Products are not installed in redundant configurations.
- 10) If MPSCS requires a service window (i.e. scheduled downtime of the network) to address a reported problem, the scheduled interval will not be included within the Restoration time, since during the scheduled period Contractor cannot perform activities.
- 11) If on-site intervention is required to resolve a hardware problem (e.g., replacing a faulty Supported Products), the Restoration target is temporarily suspended during that time period. It will restart once the hardware problem is corrected (e.g., a new or repaired Supported Products is installed in the network).
- 12) ION Service Credit Exclusions. Contractor shall not be liable for ION Service Credits to MPSCS if Contractor's failure to achieve Service Target(s) was/were directly attributable to:
  - i. The operation of the Equipment, Software or network by MPSCS outside their design parameters and/or operating conditions;
  - ii. Unauthorized changes, revisions or modifications to the Equipment, Software or network;
  - iii. Power failures, failure of network facilities or network elements that are not deployed in a fully redundant configuration, with an uninterruptable power source (UPS) and/or DC Batteries, where such configuration and UPS and/or DC Batteries are offered or recommended by Contractor or others;
  - iv. MPSCS's failure to maintain MPSCS obligations under Section 2.6;
  - v. MPSCS's failure to implement all Contractor-recommended corrective measures, recovery and system stabilization procedure, or applicable instructions;
  - vi. MPSCS's failure to implement all broadcast warning messages and Software updates in a commercially reasonable amount of time upon receipt of OLCS Alert(s);
  - vii. Any outage that is primarily attributable to non-Contractor-provided equipment;
  - viii. Defects in equipment, software, and/or services not manufactured or supplied by Contractor or its contractors;
  - ix. The actions of a third party, where the third party is not under the control of Contractor or its contractors;

- x. Reasons of force majeure or any other reasons beyond the reasonable control of Contractor.
- xi. For delays or inaccuracies in reporting, access or implementation caused by MPSCS or its 3rd party contractors;

In addition, Contractor shall not be liable for ION Service Credits to MPSCS, or any other costs as provide for herein, where the failure to perform occurs during first application test, controlled introduction or special experimental loads or trials, use of Equipment or Software to general availability, limited pre-commercial service launch, scheduled maintenance periods or planned and mutually agreed to outages, or for any outage occurring prior to the execution of this Change Notice.

**E. Service Delivery Targets and End of Life**

If MPSCS requires Remote Technical Support under this SoW for a Supported Product for which the Feature Release or Maintenance Release is at end-of-life, the Contactor will redirect the service request to Life Extender Service if MPSCS has purchased such support; otherwise, the service request may be rejected because the service level defined in this SoW is not applicable to end-of-life product releases. If the Contactor does accept the service request under this SoW, the SLA tables of the Supported Product in this SoW will not apply to the service response provided by the Contactor and any actions taken to provide Remote Technical Support will be conducted with no service performance targets.

**2.5. Sharing of Responsibilities**

**A. MPSCS Responsibilities**

1. Ensure that only submitters that are trained by the Contactor on Operations and Maintenance of the Supported Products are entitled to report a Ticket Request. MPSCS will keep updated and shared with the Contactor both the list of entitled submitters and modifications to escalation chains.
2. Ensure availability of employees which are trained by the Contactor on Operations and Maintenance of the Supported Products to assist the Contactor's personnel. This may include, without limitation, assistance in performing additional tests, and gathering additional information.
3. Ensure that the Supported Products are, over time, installed, configured, operated, administrated, and maintained in accordance with the Contactor's applicable installation, configuration, operation, administration, and maintenance specifications.
4. Ensure the implementation of all software updates, firmware updates and hardware changes required by the Contactor within a reasonable time.
5. For the Supported Products, MPSCS will provide its own means to install fixes, patches, and updates, as and when made available by the Contactor.



6. Maintain a procedure external to the software programs for regular back-up (software, configuration) and for reconstruction of lost or altered files, data, and/or programs.
7. Ensure that adequate resources are made available to Supported Products, as defined in Supported Products' documentation. In case of a software only product, the resources include, but are not limited to, CPU, memory, I/O bandwidth, storage and network communication response times.
8. Set up infrastructure (including hardware, software and connectivity related) to access the product specific customer support content of the Contactor.com web-site.
9. Provide to the Contactor expert the login credentials and procedures to access the MPSCS's network (via network management system(s) or directly to specific network devices)
10. Provide all information necessary for the Contactor to provide the Service without delay on the Supported Products. This includes, without limitation: identification of the releases of the Supported Products; network configuration and recent configuration changes; evidence of problem on the Supported Products; logs, traces and product diagnostic results for the Supported Products and for all the components of the environment of the Supported Products; evidence that resources allocation has been aligned with Supported Product's needs, as defined in Supported Products' documentation; already performed actions; any information to help reproduce the conditions under which the trouble occurred.
11. Include Severity Level of problem, service disruption status, Supported Product name, contract number, submitter name & location, call-back telephone number and/or email address, system name & location, type and serial and/or license number, and alternate contact.
12. Perform initial problem diagnostics and analysis to isolate the problem to specific Supported Product. In the event of service disruptions, perform 1st/2nd line troubleshooting and correction attempts following the incident management process of network operations.
13. Permit Remote Access to affected systems for the Contactor's service engineers, using a mutually acceptable solution that reasonably meets the following characteristics:
  - a. Is secure, for the purposes of protecting the MPSCS's data.
  - b. Performs at a minimum throughput of 20 MBytes/s in both directions.
  - c. Provides a comprehensive view into the MPSCS's Supported Product (e.g. Product's Graphical User Interface)
  - d. Includes a mechanism to allow files to be transferred to MPSCS.
  - e. Allows multiple connections (multi-session) for the Contactor service engineers, if required.

- f. supports continuous automatic streaming of network data, or machine-initiated transfer of network data, to the Contactor.
- g. The solution should not:
  - 1) Require a dedicated internet line.
  - 2) Require the Contactor to possess a token from MPSCS.
- 14. The Contactor will, during the Term, have the right to introduce new, technologically advanced methods of providing and delivering the services in an effort to reduce overall execution time of service delivery, including software robotic automation, Remote Access including SSH, Secure Shell access to MPSCS network. The new methods will be in full compliance with the obligations contained in this agreement and will not constitute a Change Request or give rise to a Change control procedure.
- 15. Provide additional information within adequate time, proportional to the Contactor's service delivery targets.
- 16. Perform follow-up and implementation of instructions, guidelines or any remedial advice provided by the Contactor including installation of correction or corrective measures.
- 17. Provide verification of the delivered solution or confirmation of system restoration and closure of TR within reasonable time, proportional to the Contactor's service delivery targets.
- 18. Allow the Contactor to collect network inventory for the purposes of support services, for e.g. notifying on relevant Maintenance Releases and End of Life notifications.

**B. Contactor Responsibilities**

- 1. Provide instructions and templates for gathering of information from incidents.
- 2. Provide instructions for opening Ticket Requests.
- 3. Provide the login credentials and procedures to establish access to the Contactor's online customer support systems.
- 4. Provide deliverables stated in the Deliverables section, according to the targets set in the Service Levels section
- 5. Provide deliverables stated in the Deliverables section, according to the targets set in the Service Levels section
- 6. In the event of a service disruption, provide continuous remote support for MPSCS's personnel, until system operation is restored. In addition, keep involved MPSCS personnel and management informed and updated regularly until the situation is resolved.
- 7. Coordinate with the Contactor(s) of embedded 3rd party software.

## 2.6. MPSCS's Obligations

- A. MPSCS will promptly provide all required information. In case MPSCS is not responding to the requests for additional information, the Contactor is entitled to close the Ticket Request after three (3) failed attempts.
- B. MPSCS will promptly apply the solutions provided by the Contactor to address a reported problem's measurements. This includes but is not limited to allowing such operations only during scheduled downtime of the network.
- C. MPSCS will be responsible for any delay caused in establishing satisfactory quality of Remote Access, which will be deleted from the service performance measurements.
- D. All software that is ultimately provided in connection with the Service including, without limitation, Maintenance Releases, Patch Releases or workarounds, are licensed subject to the same terms, restrictions, and limitations as contained in the licenses under which the original software was acquired.
- E. INTENTIONALLY LEFT BLANK.

## 3. Software Subscription Plan (SSP)

### 3.1. the Contactor Responsibilities

#### A. Description

The Contactor will make available all Feature Releases of software for network/node elements, management systems for specific network elements or families of network elements, and other network-related applications at the Contactor's sole discretion. The products to which this SSP Service is entitled are listed in the appendix titled "SSP: Products Covered by the Terms of this Service" ("Products").

#### B. Tasks/Deliverables

The Contactor will:

##### 1. Access to Feature Releases

- a. Provide, as may be available, and in the Contactor's sole discretion, any Feature Releases for Products, provided they are within the generally available phase of their lifecycle. No releases are available for manufacture discontinued ("MD") products.
- b. Feature Releases may also include provision of third party software upgrades, as may be made available by the third party software manufacturer, if the third party software is supported by the Contactor and was licensed to MPSCS by the Contactor.
- c. Feature Releases encompass the products that are purchased by MPSCS, as set forth in the Pricing section and the "Maintained Products and Scope of the Services" or "Products Covered" section of this SOW; provided, however, if a Feature Release contains a new feature for such product(s) for which an additional license or activation fee is required, this must be

purchased separately by MPSCS; otherwise, it is not included in the Services, and will not be provided to MPSCS.

- 1) Distribution of Feature Releases: Provided via one or more of the following methods: Internet download, CD, DVD, tape, or file transfer protocol (FTP), such method will be at the Contactor's sole discretion.
- 2) License Terms of Feature Releases: All software that is provided in connection with the Service is licensed subject to the same terms, restrictions, and limitations as contained in the licenses under which the original software was acquired.

2. Release Notes

Provide the associated Release Notes applicable to the software and hardware revisions supported by the Feature Release and a list of all changes and additions to the latest release. Any procedural updates that are impacted by the Feature Release will also be provided.

3. Firmware for Control Cards (For Supported Products, as set forth in Appendix A)

If required, provide new or an upgrade to firmware specific to the control card(s) of the relevant Products. (Does not include line card firmware).

4. Access to Patch Releases and Maintenance Releases (For Supported Products, as set forth in Appendix A)

Provide, as may be available, and in the Contactor's sole discretion, any Patch Releases and Maintenance Releases for the Products.

- a. Distribution of Patch Releases and Maintenance Releases: Feature Releases will be provided via one or more of the following methods: Internet download, CD, DVD, tape, or file transfer protocol (FTP), such method will be at the Contactor's sole discretion.
- b. License Terms of Patch Releases and Maintenance Releases: All software that is provided in connection with the Service is licensed subject to the same terms, restrictions, and limitations as contained in the licenses under which the original software was acquired.

5. Product Upgrade Procedure

Provide a softcopy or hardcopy of a generic procedure document on how to upgrade the Product(s). Where installation services are provided, this documentation will not be provided.

### 3.2. Limitations

The following items must be purchased separately by MPSCS:

- A. If State chooses to purchase a new feature, any modifications to any parts of the network which are deemed by the Contactor necessary to accomplish network compatibility with a Feature Release.

- B. If State chooses to purchase a new feature, any additional products required to take advantage of any new functionality within a Feature Release.
- C. Any additional software licenses required to support growth in the network of hardware or software (e.g. nodes, DSL ports, subscribers, seats, etc.).
- D. Any features in a Feature Release for which an additional license or activation fee is normally required.
- E. Where required, a minimum of 12 weeks lead-time must be provided for all Firmware orders (i.e. PROMs – Programmable Read-Only Memory).

### 3.3. Conditions

- A. For Supported Products, as set forth in Appendix A, MPSCS must purchase the Service for a minimum period of time.
- B. For Supported Products, as set forth in Appendix A, MPSCS must purchase the Service in conjunction with Technical Support service or equivalent from the Contactor; these services are not sold separately.
- C. For each Product Name listed as “Products Covered”, the quantity specified must include absolutely all such parts found in MPSCS’s network. Partial quantities in MPSCS’s network are not permitted.

Prices for work described in Schedule D, and reflected in Schedule B- Pricing, are established for the entire agreed upon term.

### 3.4. Possible New Release Roadmaps

The forecast of future software releases (“product roadmap”) is provided by the Contactor solely to inform MPSCS of the Contactor’s plan of record for the relevant product(s) and both parties to this SOW hereby agree that such information does not form a commitment of any kind on either party in relation to this contract. There are no penalties, liquidated damages or other remedies associated with changes to the product roadmap including cancellation of any specific feature or functionality or delay in the timing of development.

### 3.5. MPSCS Responsibilities

- A. Prior to the commencement of this SSP Service, MPSCS will:
  - 1. If necessary, upgrade the entitled products listed as “Products Covered” to the specified release level. All expenses, including but not limited to hardware, software, third-party products, or installation, are solely the responsibility of MPSCS.
  - 2. Have previously purchased or purchased simultaneously Nokia Technical Support (TS) agreement or the Contactor equivalent to a TS agreement, and such TS agreement must be in effect prior or simultaneously to the delivery of the SSP Service.
- B. During the SSP service term, MPSCS will:

1. Provide commercially available computing hardware for the installed Products according to product specifications provided in the Product manuals, except in those cases where the Contactor provided such computing hardware.
  2. Update the "Products Covered" table for the Contactor on an annual basis.
  3. Allow the Contactor, if the Contactor deems it necessary, to verify the accuracy of the reported parts shown as "Products Covered" by reasonable means.
- C. MPSCS Responsibilities Concerning the Contactor's Feature Release Download Service
1. MPSCS must designate contact(s) within their organization who is/are responsible for receiving the Feature Releases and will communicate such contact(s) in writing to the Contactor.
  2. MPSCS will not enable or permit download access to any person other than its designated contact(s), without the Contactor's prior written consent. Such consent will be at the Contactor's sole discretion.
  3. If requesting such consent, MPSCS will identify to the Contactor any non-employee who MPSCS would like to have access to the download site, and if requested by the Contactor, will provide a copy of a Non-Disclosure Agreement executed between MPSCS and the non-employee in accordance with the confidentiality terms of the agreement pursuant to which the products were supplied. Such agreement will provide, at a minimum, the level of protection provided in this contract. The Contactor may refuse consent within its sole discretion.
  4. MPSCS must notify the Contactor in writing immediately of any change in the employment or authorization status of any personnel having authorized access to the download site.
  5. MPSCS's use of any download site is subject to all Terms of Use then set forth or linked to the download site. Such Terms of Use will in no event be construed to increase the Contactor's obligations under this SOW nor to create or modify any performance objectives for the Services under this SOW.
- D. Without limiting the Contactor's other rights, the Contactor may deny access immediately and in the future to individuals using the download site other than as permitted. The Contactor will have no liability to MPSCS on account of such denial.

#### **4. Exclusions**

Any service not expressly included in this SOW is excluded. Among other things, the service(s) listed below, do not include, for example, the following services or tasks.

A. Software Support Service does not include:

1. Access to Software Support Service by itself does not include access to Feature Releases. Service does not entitle or support MPSCS to use optional or new software features resident in a Feature Release, except to the extent that MPSCS has separately paid the applicable license fees for the use thereof.
2. Service delivery targets do not apply in situations where the Solution, as expected by the MPSCS, requires a change to the product specification.

3. Open source software, if any, that is distributed on an "as is" basis under the respective license terms, and the Contactor disclaims any liability in relation to such open source software, and
4. Software as such or software in respect of third-party equipment that the Contactor purchases or licenses from third parties and delivers to MPSCS, either as a sublicense or as a direct license from the third party in connection with, or as part of the delivery of Supported Products. The Contactor undertakes to forward to MPSCS the maintenance undertakings and/or warranties given by such third parties.
5. Pre-releases, or test-bed, trial or pilot releases of Software (which are expressly designated as experimental or preliminary) that may be offered to MPSCS from time to time. Such releases are provided to MPSCS for testing and other purposes than use in any revenue-earning or other primary business purpose, and such software is expressly agreed as being supplied on an "as is" basis.
6. Onsite service, installation service, preventive service, or coverage of third-party software.
7. Creating or making corrections to MPSCS-specific reports.
8. Maintenance operations, including but not limited to system administration, system audits, backup and restore procedures, proactive monitoring, operational reports.
9. Training of MPSCS staff.
10. Maintenance or repairs of accessories, attachments or any other devices not identified in this SOW.
11. Furnishing of optional accessories or consumable supplies.
12. Equipment certification efforts, as required per the Contactor's policy on equipment not installed by an approved the Contactor installer, or lapse in maintenance coverage, or equipment that has been moved.
13. Recovery of any lost data or expenses for reconstructing data lost during the performance of the Service.
14. Support for custom software features not named in this SOW as Supported Products, that is, any features that are not present in the generally available version of the Supported Products.
15. Providing MPSCS specific instructions for installation of Patch Releases or Maintenance Releases by MPSCS.
16. Support for non-Supported Products, whether or not they reside on the same computing hardware platform on which Supported Products reside.
17. Modifications, maintenance, or repair performed by other than the Contactor designated personnel, including changes, modifications or alterations not authorized by the Contactor in the Supported Products, the hardware, or the software environment in which the Supported Products operate including, without limitation, the introduction of updates of third-party software or hardware that have not been validated by the Contactor.



18. Database problems: If the condition is determined to be the result of corruption of the Supported Products' database, and such corruption is not the direct result of the Supported Products, the condition will be referred back to MPSCS. However, if corruption is the result of, or caused by, the Contactor's Supported Products, the Contactor will manage the resolution of the problem, at no additional charge; provided, however, that the Contactor will only be responsible for restoring data on the media. MPSCS will be responsible for providing the Contactor with the data that needs to be restored.
  19. Other/interfacing systems problems: If the condition is possibly caused by systems other than the Supported Products including, but not limited to, systems that interface with the Supported Products, then the condition will be referred to MPSCS for corrective action, unless:
    - a. The other system(s) has (have) been furnished by the Contactor and is (are) covered under the Contactor maintenance contract, in which case the Contactor will manage the resolution of the problem, or
    - b. Interoperability with the other system(s) is covered by a dedicated SWS Maintenance agreement for Interoperability Support.
  20. Events due to a failure to continually provide a suitable operational environment with all facilities prescribed by the applicable product specifications document including, but not limited to, the failure to provide, the failure of, or faulty, adequate electrical power, air conditioning, or humidity, dust control.
  21. Use of the Supported Products in a manner not in accordance with its specifications, operating instructions, or license-to-use,
  22. Support of Software running on either obsolete or after the end of support date as identified in the OLCS Alert.
- B. Hardware Services does not include:
1. the removal or installation of Field Replaceable Units ( FRUs) from or into the network/systems.
  2. FRU modification or upgrade services, unless deemed necessary by Nokia.
  3. Root cause analysis or failure mode analysis that specifies the actual FRU failure cause or any specific remedial action.
  4. Custom reports unless mutually agreed between Customer and Nokia.
  5. FRUs with defects or malfunctions caused directly or indirectly by:
    - a. failure of non-Nokia personnel to follow the manufacturer's installation, operation, or maintenance instructions;
    - b. Products or their FRUs not specifically identified in the Supported Product List;
    - c. abuse, misuse, or negligent acts of non-Nokia personnel;
    - d. damage from fire, water, wind, exposure to weather, or other forces of nature;



- e. acts of terrorism, vandalism or other hostiles actions.
- 6. FRUs that show evidence of:
  - a. improper packaging;
  - b. improper handling;
  - c. modification by non-Nokia approved personnel;
  - d. the installation or attachment of non-Nokia approved components including hardware or software;
  - e. any condition that exceeds the tolerances as prescribed by the manufacturer or failure to continually provide a suitable operational environment including, but not limited to, the failure to provide adequate electrical power, air conditioning, dust control or excessive humidity.
- 7. Passive and mounting hardware including, but not limited to, cabinets, chassis, frames, antennae, connectors, cables, cable assemblies, cords, brackets, bezels, faceplates, adapters, panels or labels.
- 8. Consumables including, but not limited to, fuses, batteries, air filters, or transformers.
- 9. Documentation or software in all media forms.

C. Exclusions for ION products:

- 1. The following exclusions are applicable to Model-Driven Mediation (MDM) Adaptors (“Adaptor”) for use with Nokia Network Services Platform (NSP) product and product line, specifically for use with third-party products.
  - a. If the Contactor’s support personnel determine that an Adaptor is the source of the fault, the Contactor will confirm support validity before providing Services. Adaptors that qualify for Services are:
    - 1) Supplied and sold by the Contactor.
    - 2) Being used as intended. For example, Adaptor is associated with the built-for equipment type, release, and function.
    - 3) Not modified in any way by the MPSCS
    - 4) Within both the NSP and Adaptor’s software support lifecycle
  - b. If the Contactor deems that access to the third-party equipment is required to troubleshoot the issue, MPSCS must make available such equipment or an identical one running in a lab. If access is unreasonably delayed, the TR will be suspended until access is granted.
  - c. No services are provided for the third-party equipment associated with the Adaptor.

2. The following exclusions are applicable to optical or electrical transceivers (“Transceiver”), such as, but not limited to SFP, XFP, SFP, SFP+, QSFP+, QSFP28, CFP:
  - a. If customer raises Ticket Request on i) a non- Nokia Transceiver installed in a Supported Product, or ii) a Supported Product, where it is determined the fault lies in a non- Nokia Transceiver, the TR will be closed without delay, marked resolved, and excluded from service delivery performance targets. MPSCS may opt to replace said Transceiver with a Nokia Transceiver and raise a new TR if the problem persists after replacement occurs.
  - b. If the act of diagnosing a fault to lie in a non- Nokia Transceiver requires the Contactor to deliver an abnormal amount of effort, the Contactor reserves the right to charge MPSCS for time and materials.
  - c. If it is determined that damage to a Supported Product occurred due to the presence of non- Nokia Transceiver installed therein, the TR will be closed without delay, marked resolved, and excluded from service delivery performance targets. Thereafter, Services will no longer be provided on said Supported Product.
  - d. If MPSCS installs non- Nokia Transceiver in a Supported Product, MPSCS accepts full responsibility for any damage, service interruptions or other incidents caused by misbehavior of said devices and waives all rights to recourse against the Contactor.

D. SSP Services do not include:

1. Performing services related to implementing Releases in MPSCS’s network, including but not limited to:
  - a. Installation (on-site or remotely), network and node staging (on-site or remotely), hardware modification, software configuration or re-configuration, custom tool/script development, technical support prior to or during installation (on-site or remotely), or network integration.
2. Supplying spare parts, training, network planning, management, or related project services.

APPENDIX A: Supported Products List (SPL) for Year 1

Product Name	Quantity	HW/SW Releases	Location (Optional)	Service Product	Service Level
<b>7705 SAR-8</b>	<b>322</b>	<b>R8</b>		<b>TS</b>	<b>Gold</b>
<b>7705 SAR-HC</b>	<b>54</b>	<b>R8</b>		<b>TS</b>	<b>Gold</b>
<b>MPR 9500</b>	<b>584 HOPS</b>	<b>R8</b>		<b>TS</b>	<b>Gold</b>
<b>7705 SAR-8</b>	<b>335</b>	<b>R8</b>		<b>SSP</b>	
<b>7705 SAR-HC</b>	<b>58</b>	<b>R8</b>		<b>SSP</b>	
<b>MSS</b>	<b>290</b>	<b>R8</b>		<b>SSP</b>	
<b>NSP</b>	<b>1</b>	<b>R18</b>		<b>SSP</b>	
<b>TSM-8000</b>	<b>1</b>	<b>R8</b>		<b>SSP</b>	

Note: If the Network Element (NEs) are not updated to a supported release, the maintenance service level identified in the table above will be reviewed. If the NE qualifies for extended life support there will be a corresponding price changes to the contract for the quoted service.

Following are the alerts that applies to MPSCS network:

Alert 20-0661 = 7705 SAR-8 R8 discontinuation with EOPS 5/1/2023.

Alert 21-0274 = NSP R18 discontinuation with EOPS 6/30/2022.

Alert 17-0911 = Nokia 9500 MPR CORE-E card discontinuation with End of Repair/End of Support on 12/31/2022. This will be the only hardware replacement necessary to satisfy this agreement.



**STATE OF MICHIGAN**  
**CENTRAL PROCUREMENT SERVICES**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number 1  
 to  
 Contract Number 180000000497

<b>CONTRACTOR</b>	Nokia of America Corporation
	2000 W Lucent Ln
	Naperville, IL 60563
	Kelly Doerr
	312-802-8450
	kelly.doerr@nokia.com
	VS0037091

<b>STATE</b>	<b>Program Manager</b>	Kate Jannereth	DTMB
		517-881-1031	
		JannerethK@michigan.gov	
	<b>Contract Administrator</b>	Valerie Hiltz	DTMB
		(517) 249-0459	
		hiltzv@michigan.gov	

**CONTRACT SUMMARY**

NOKIA BACKHAUL HARDWARE, SOFTWARE, LICENSES, MAINT

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
March 7, 2018	March 7, 2023	5 - 1 Year	March 7, 2023

PAYMENT TERMS	DELIVERY TIMEFRAME
	N/A

ALTERNATE PAYMENT OPTIONS	EXTENDED PURCHASING
<input type="checkbox"/> P-Card <input type="checkbox"/> PRC <input type="checkbox"/> Other	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

N/A

**DESCRIPTION OF CHANGE NOTICE**

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input type="checkbox"/>		<input type="checkbox"/>		March 7, 2023
CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE		
\$1,000,000.00	\$1,600,000.00	\$2,600,000.00		

**DESCRIPTION**

Effective September 10, 2021 this contract is adding \$1,600,000.00 in funding to fund the contract through the remainder of the base contract term.

All other terms, conditions, specifications and pricing remain the same. Per Contractor and Agency Agreement, DTMB Central Procurement Services approval and the approval of the State Administrative Board granted on September 7, 2021.



# STATE OF MICHIGAN ENTERPRISE PROCUREMENT

Department of Technology, Management, and Budget  
525 W. Allegan Street  
P.O. BOX 30026, Lansing, Michigan 48909

## NOTICE OF CONTRACT

NOTICE OF CONTRACT NO. **18000000497**  
between  
THE STATE OF MICHIGAN  
and

<b>CONTRACTOR</b>	Nokia of America Corporation
	601 Data Drive
	Plano, TX 75075-7839
	Joseph Scardina
	630-245-3724
	Joe.Scardina@nokia.com
	8857

<b>STATE</b>	Program Manager	Kate Jannereth	DTMB
		JannerethK@michigan.gov	
		517-881-1031	
	Contract Administrator	Mike Breen	DTMB
breenm@michigan.gov			
517-249-0428			

CONTRACT SUMMARY			
<b>DESCRIPTION: NOKIA Backhaul Hardware, Software, Licenses, Maintenance, and Consulting</b>			
INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE CHANGE(S) NOTED BELOW
March 7, 2018	March 7, 2023	5 one-year options	March 7, 2023
PAYMENT TERMS		DELIVERY TIMEFRAME	
Net 45			
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING
<input type="checkbox"/> P-card <input type="checkbox"/> Direct Voucher (DV) <input type="checkbox"/> Other			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
MINIMUM DELIVERY REQUIREMENTS			
MISCELLANEOUS INFORMATION			
ESTIMATED CONTRACT VALUE AT TIME OF EXECUTION			<b>\$1,000,000.00</b>

CONTRACT NO. 18000000497

**FOR THE CONTRACTOR:**

\_\_\_\_\_  
**Company Name**

\_\_\_\_\_  
**Authorized Agent Signature**

\_\_\_\_\_  
**Authorized Agent** (Print or Type)

\_\_\_\_\_  
**Date**

**FOR THE STATE:**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Name & Title**

\_\_\_\_\_  
**Agency**

\_\_\_\_\_  
**Date**

# STATE OF MICHIGAN

## MPSCS Backhaul Parts and Service

### SCHEDULE A STATEMENT OF WORK Products and/or Services

#### BACKGROUND

Need a single contract for purchasing Nokia of America Corporation (hereinafter "Nokia" or "Contractor") equipment and services (to include network design, microwave path design as well as design and implementation and configuration of equipment offered) in order to maintain the Michigan's Public Safety Communications Systems microwave backhaul network.

#### SCOPE

All service and maintenance to be performed by qualified personnel familiar with the equipment. Need a parts, equipment and software list and description of Contractor product lines with pricing, but not be limited to parts, equipment and software in lists. Vendor will be responsible for validating model numbers and versions to ensure they are compatible with our system. Must be able to provide factory initial assembly, configuration and testing as needed.

Must be able to offer support services for 5620SAM, Service Portal Express (SPE) and TSM8000 during installations and upgrades. Provide professional and repair services for Alcatel-Lucent microwave and networking equipment including but not limited to 9500MPR series and 7705SAR series.

Must have microwave path design and network design abilities.

#### REQUIREMENTS

##### 1. General Requirements

##### 1.1. Product Specifications

The Contractor must provide the following if applicable:

- Quantity
- Size
- Color
- Maximum or minimum dimensions
- Quality
- New or used
- Repairs
- Maintenance, parts, supplies
- Manufacturer brand, part number
- Qualified products list
- Design, performance, or combination
- Market grades
- Material & manufacturing method
- Industry standards

Bids on alternate brand or manufacturer lines will not be considered. Contractor is the only brand accepted.

##### 1.2. Warranties

Describe any warranties included in the bid and explain the process for reporting warranty issues and how the Contractor will handle any repairs or replacements, both on equipment and services. Certified to provide warranty work and installations of Alcatel-Lucent equipment and also provide Contractor equipment only. Contractor's limited warranty is detailed in the Contractor-proposed changes to the State of Michigan Standard Terms and Conditions.

The State reserves the right to require additional warranties other than those identified by the Contractor in its response to this RFP. In the event such additional warranted required by the State effect the price and/or schedule, Contractor and the State shall negotiate a mutually acceptable, equitable adjustment to the price and/or schedule in a written amendment to the resultant contract.

### **1.3. Recall Requirements and Procedures**

The Contractor must describe any recall procedures.

### **1.4. Quality Assurance Program**

Explain your Quality Assurance Program(s).

### **1.5. Incentives**

Explain any special incentives or services including, but not limited to, return policies, trade-in programs, quantity discounts, etc.

## **2. Service Levels**

### **2.1. Time Frames**

All Product delivery and Services performance dates will be mutually agreed upon in writing with Contractor and the MPSCS based on complexity and quantity of each order. Statement(s) of Work ("SOW(s)) will be provided by the Contractor and a project schedule (if necessary) for each engagement. The receipt of order date is pursuant to Section 2, Notices, of the Standard Contract Terms.

### **2.3. Installation**

Installation will be expected within timeframe agreed upon based on each individual order. All installation must meet or exceed Motorola 56 Standards unless otherwise agreed upon with the MPSCS in the SOW(s).

## **3. Staffing**

### **3.1. Contractor Representative**

The Contractor must appoint a Product Representative or similar position, specifically assigned to State of Michigan accounts, that will respond to State inquiries regarding the Products and/or Services, answering questions related to ordering and delivery, etc. (the "Contractor Representative").

The Contractor must notify the Contract Administrator at least 10 calendar days before removing or assigning a new Contractor Representative.

### **3.2. Key Personnel**

### **3.3. Escalation Process**

Provide an overall organizational chart that details staff members and managers, by name and title, and subcontractors as part of an escalation process for Michigan's account. Include contact information. Escalation not to exceed two (2) business days per level of escalation.

### **3.4. Customer Service Number**

The Contractor must specify its toll-free number for the State to make contact with the Contractor Representative. The Contractor Representative must be available for calls during the hours of 8 am to 5 pm EST.

### **3.5. Technical Support, Repairs and Maintenance**

The Contractor must specify its toll-free number for the State to make contact with the Contractor for technical support, repairs and maintenance. The Contractor must be available for calls and service during the hours of 8 am to 5 pm EST. Contractor to provide emergency repair service available.

### **3.6. Disclosure of Subcontractors**

If the Contractor intends to utilize subcontractors, the Contractor must disclose the following:

The legal business name; address; telephone number; a description of subcontractor's organization and the services it will provide; and information concerning subcontractor's ability to provide the Products and/or Services.

The relationship of the subcontractor to the Contractor.

Whether the Contractor has a previous working experience with the subcontractor. If yes, provide the details of that previous relationship.

A complete description of the Products and/or Services that will be performed or provided by the subcontractor.

### **3.8. Reserved**



#### **4. Pricing**

##### **4.1. Price Term**

Pricing is firm for a 365 day period ("Pricing Period"). The first pricing period begins on the Effective Date. Adjustments may be requested, in writing, by either party and will take effect no earlier than the next Pricing Period. Prices must be agreed upon by both parties at the start of each new contract term and will be reviewed annually.

##### **4.2. Price Changes**

Adjustments will be based on changes in actual Contractor costs. Any request must be supported by written evidence documenting the change in costs. The State may consider sources, such as the Consumer Price Index; Producer Price Index; other pricing indices as needed; economic and industry data; manufacturer or supplier letters noting the increase in pricing; and any other data the State deems relevant.

Following the presentation of supporting documentation, both parties will have 30 days to review the information and prepare a written response. If the review reveals no need for modifications, pricing will remain unchanged unless mutually agreed to by the parties. If the review reveals that changes are needed, both parties will negotiate such changes, for no longer than 30 days, unless extended by mutual agreement.

The Contractor remains responsible for delivery of Products and/or performance of Services at the current price for all orders received before the mutual execution of a Change Notice indicating the start date of the new Pricing Period.

#### **5. Ordering**

##### **5.1. Authorizing Document**

The appropriate authorizing document for the Contract will be a purchase order as detailed in Section 15 of the Contractor-proposed changes to the State of Michigan Standard Terms and Conditions.

##### **5.2 Order Verification**

The Contractor must have internal controls, approved by DTMB-Procurement, to verify abnormal orders and to ensure that only authorized individuals place orders.

#### **6. Delivery**

##### **6.1. Delivery Programs**

The Contractor must explain in detail its delivery programs (e.g., standard delivery and quick-ship), including any limitations such as quantity. Contractor's delivery programs and intervals are detailed in Section 17 of the Contractor-proposed changes to the State of Michigan Standard Terms and Conditions.

The Contractor must explain the transportation method (e.g., UPS, FedEx, Contractor fleet, or other third party carrier) it intends on utilizing in delivery of the Products and/or Services. Contractor's transportation method and intervals are detailed in Section 17 of the Contractor-proposed changes to the State of Michigan Standard Terms and Conditions.

##### **6.2. Packaging and Palletizing**

Packaging must be optimized to permit the lowest freight rate. Shipments must be palletized whenever possible using manufacturer's standard 4-way shipping pallets. Contractor's packaging and palletizing requirements are detailed in Section 17 of the Contractor-proposed changes to the State of Michigan Standard Terms and Conditions

#### **7. Acceptance**

##### **7.1. Acceptance, Inspection and Testing**

The agency will use the acceptance process defined in Section 16, Acceptance, of the Standard Contract Terms.

##### **7.2. Final Acceptance**

Equipment installed by contractor must be inspected and accepted by MPSCS staff as detailed in Section 16 of the Contractor-proposed changes to the State of Michigan Standard Terms and Conditions.

#### **8. Invoice and Payment**

##### **8.1. Invoice Requirements**

The agency will use the invoice language defined in Section 20, Terms of Payment, of the negotiated Standard Contract Terms.

## MPSCS Backhaul

All invoices submitted to the State must include: (a) date; (b) purchase order; (c) quantity; (d) description of the delivery of Products and/or performance of Services; (e) unit price; (f) shipping cost (if any); and (g) total price.

### **8.2. Payment Methods**

The State will make payment for Products and/or Services by EFT.

### **9. Licensing Agreement**

Contractor's licensing requirements are detailed in Section 55 of the Contractor-proposed changes to the State of Michigan Standard Terms and Conditions.

### **10. Liquidated Damages**

Liquidated damages will be negotiated on a case-by-case basis contingent on State requirements where time is of the essence.

### **11. Additional Requirements**

#### **11.1. Environmental and Energy Efficient Products**

The Contractor must identify any energy efficient, bio-based, or otherwise environmental friendly products used in the products. Contractor must include any relevant third-party certification, including the verification of a United States department of agriculture certified bio based product label.

#### **11.2. Hazardous Chemical Identification**

In accordance with the federal Emergency Planning and Community Right-to-Know Act, 42 USC 11001, *et seq.*, as amended, the Contractor must provide a Material Safety Data Sheet listing any hazardous chemicals, as defined in 40 CFR §370.2, to be delivered. Each hazardous chemical must be properly identified, including any applicable identification number, such as a National Stock Number or Special Item Number.

The Contractor must identify any hazardous chemicals that will be provided under any resulting contract.

#### **11.3. Mercury Content**

Pursuant to MCL 18.1261d, mercury-free products must be procured when possible. The Contractor must explain if it intends to provide products containing mercury, the amount or concentration of mercury, and whether cost competitive alternatives exist. If a cost competitive alternative does exist, the Contractor must provide justification as to why the particular product is essential. All products containing mercury must be labeled as containing mercury.

#### **11.4. Brominated Flame Retardants**

The State prefers to purchase products that do not contain brominated flame retardants (BFRs) whenever possible. The Contractor must disclose whether the products contain BFRs.



# STATE OF MICHIGAN

## STANDARD CONTRACT TERMS

This STANDARD CONTRACT ("Contract") is agreed to between the State of Michigan (the "State") and Nokia of America Corporation (hereinafter "Contractor"), a Delaware corporation (individually, a "Party"; collectively, the "Parties"). This Contract is effective on March 7, 2018 ("Effective Date"), and unless terminated, expires on March 7, 2023.

The base contract will be 5 years and may be renewed for up to 5 additional 1 year period(s). Renewal is at the sole discretion of the State and will automatically extend the Term of this Contract. The State will document its exercise of renewal options via Contract Change Notice.

The parties agree as follows:

- Duties of Contractor.** Contractor must perform the services and provide the deliverables described in **Schedule A – Statement of Work**. This Contract provides for: (a) the sale by Contractor to State of new and/or refurbished standard equipment and components made commercially available for sale by Contractor ("Equipment"), (b) the license by Contractor to State of standard software and firmware (including third-party software and firmware) made commercially available for license by Contractor, regardless of the form or media on which it is delivered, solely in object code form and excluding source code ("Software"), (c) the license by Contractor to State of commercially available standard documentation relating to any Equipment or Software ("Documentation") and (d) the performance of services by Contractor ("Services"). The Parties will enter into one or more addenda or statements of work (each an "Addendum" and collectively "Addenda") to supplement this Contract for specific Products or Services. All references to "Contract" include this document and its schedules together with any and all Addenda and their attachments. The term "Product" refers to Equipment, Software and/or Documentation, and the term "Licensed Materials" refers to Software and/or Documentation.

Contractor must furnish all labor, equipment, materials, and supplies necessary for the performance of the Services, and meet operational standards, as specified in Schedule A.

Contractor must: (a) perform the Services in a timely, professional, safe, and workmanlike manner consistent with standards in the trade, profession, or industry; (b) meet or exceed the performance and operational standards, and specifications of the Contract; (c) provide all Products and Services in good quality, with no material defects; (d) not interfere with the State's operations; (e) obtain and maintain all necessary licenses, permits or other authorizations necessary for the performance of the Contract; (f) cooperate with the State, including the State's quality assurance personnel, and any third party to achieve the objectives of the Contract; (g) return to the State any State-furnished equipment or other resources in the same condition, less reasonable use, as when provided when no longer required for the Contract, if any; (h) not make any media releases without prior written authorization from the State, which shall not be unreasonably withheld; (i) assign to the State any claims resulting from state or federal antitrust violations to the extent that those violations concern materials or services supplied by third parties toward fulfillment of the Contract; and (j) comply with all applicable State physical and IT security policies and standards which will be made available upon request. Any breach under this paragraph is considered a material breach.

Contractor must also be clearly identifiable while on State property by wearing identification issued by the State, and clearly identify themselves whenever making contact with the State.

- Notices.** All notices and other communications required or permitted under this Contract must be in writing and will be considered given and received: (a) when verified by written receipt if sent by courier; (b) when actually received if sent by mail without verification of receipt; or (c) when verified by automated receipt or electronic logs if sent by facsimile or email.

If to State:	If to Contractor:
Michael Breen	Eric Negley

525 West Allegan Lansing, MI 48933 BreenM@michigan.gov 517-284-7002	3700 Mansell Road, Suite 100 Alpharetta, GA 30022 Eric.Negley@nokia.com 770.289.1432
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3. **Contract Administrator.** The Contract Administrator for each party is the only person authorized to modify any terms of this Contract, and approve and execute any change under this Contract (each a "Contract Administrator"):

<b>State:</b> Michael Breen 525 West Allegan Lansing, MI 48933 BreenM@michigan.gov 517-284-7002	<b>Contractor:</b> Eric Negley 3700 Mansell Road, Suite 100 Alpharetta, GA 30022 Eric.Negley@nokia.com 770.289.1432
--	--

4. **Program Manager.** The Program Manager for each party will monitor and coordinate the day-to-day activities of the Contract (each a "Program Manager"):

<b>State:</b> Kate Jannereth 7150 Harris Drive Dimondale, MI 48821 JannerethK@michigan.gov 517-881-1031	<b>Contractor:</b> Joseph Scardina c/o 2000 West Lucent Lane Naperville, IL 60563 Joe.Scardina@nokia.com 630-245-3724
--	--

5. **Performance Guarantee.** Contractor must at all times have financial resources sufficient, in the opinion of the State, to ensure performance of the Contract and must provide proof upon request. The State may require a performance bond (as specified in Schedule A) if, in the opinion of the State, it will ensure performance of the Contract. For the avoidance of doubt, Schedule A does not require a performance bond for the resultant Contract.

6. **Insurance Requirements.** Contractor must maintain the insurances identified below and is responsible for all deductibles. All required insurance must: (a) protect the State from claims that may arise out of, are alleged to arise out of, or result from Contractor's or a subcontractor's performance; (b) be primary and non-contributing to any comparable liability insurance (including self-insurance) carried by the State; and (c) be provided by a company with an A.M. Best rating of "A-" or better, and a financial size of VII or better.

Required Limits	Additional Requirements
<b>Commercial General Liability Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Each Occurrence Limit \$1,000,000 Personal & Advertising Injury Limit \$2,000,000 General Aggregate Limit \$2,000,000 Products/Completed Operations	Contractor must have their policy endorsed to add "the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents" as additional insureds using endorsement CG 20 10 11 85, or both CG 2010 07 04 and CG 2037 07 0.  Coverage must be silent with respect to sexual abuse and molestation liability.
<b>Umbrella or Excess Liability Insurance</b>	
<u>Minimal Limits:</u> \$5,000,000 General Aggregate	Contractor must have their policy endorsed to add "the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents" as additional insureds.

<b>Automobile Liability Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Per Occurrence	Contractor must have their policy: (1) endorsed to add "the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents" as additional insureds; and (2) include Hired and Non-Owned Automobile coverage.
<b>Workers' Compensation Insurance</b>	
<u>Minimal Limits:</u> Coverage according to applicable laws governing work activities.	Waiver of subrogation, except where waiver is prohibited by law.
<b>Employers Liability Insurance</b>	
<u>Minimal Limits:</u> \$500,000 Each Accident \$500,000 Each Employee by Disease \$500,000 Aggregate Disease.	
<b>Crime (Fidelity) Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Employee Theft Per Loss	Contractor must have their policy: (1) cover forgery and alteration, theft of money and securities, robbery and safe burglary, computer fraud, funds transfer fraud, money Direct Order and counterfeit currency, and (2) endorsed to add "the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents" as Loss Payees.

<b>Professional Liability (Errors and Omissions) Insurance</b>	
<u>Minimal Limits:</u> \$3,000,000 Per Claim \$3,000,000 Annual Aggregate	
<b>Property Insurance</b>	
It is possible contractor will have control of state equipment.	

If any of the required policies provide **claims-made** coverage, the Contractor must: (a) provide coverage with a retroactive date before the effective date of the contract or the beginning of the Contract; (b) maintain coverage and provide evidence of coverage for at least three (3) years after completion of the Products and/or Services; and (c) if coverage is canceled or not renewed, and not replaced with another claims-made policy form with a retroactive date prior to the contract effective date, Contractor must purchase extended reporting coverage for a minimum of three (3) years after completion of work.

Contractor must: (a) provide insurance certificates to the Contract Administrator, containing the agreement or purchase Direct Order number, at Contract formation and within 20 calendar days of the expiration date of the applicable policies; (b) require that subcontractors maintain the required insurances contained in this Section; (c) notify the Contract Administrator within 5 business days if any insurance is cancelled; and (d) waive all rights against the State for damages covered by insurance. Failure to maintain the required insurance does not limit this waiver.

This Section is not intended to and is not be construed in any manner as waiving, restricting or limiting the liability of either party for any obligations under this Contract (including any provisions hereof requiring Contractor to indemnify, defend and hold harmless the State).

7. **RESERVED.**

8. **RESERVED.**

9. **Independent Contractor.** Contractor is an independent contractor and assumes all rights, obligations and liabilities set forth in this Contract. Contractor, its employees, and agents will not be considered employees of the State. No partnership or joint venture relationship is created by virtue of this Contract. Contractor, and not the State, is responsible for the payment of wages, benefits and taxes of Contractor's employees and any subcontractors. Prior performance does not modify Contractor's status as an independent contractor.
10. **Subcontracting.** Contractor may not delegate any of its obligations under the Contract without the prior written approval of the State, which shall not be unreasonably withheld. Contractor must notify the State at least 10 calendar days before the proposed delegation, and provide the State any information it requests to determine whether the delegation is in its best interest. If approved, Contractor must: (a) be the sole point of contact regarding all contractual matters, including payment and charges for all Products and/or Services; (b) make all payments to the subcontractor; and (c) incorporate applicable terms and conditions contained in this Contract in any subcontract with a subcontractor. Contractor remains responsible for the completion of the delivery of Products and the performance of the Services, compliance with the terms of this Contract, and the acts and omissions of the subcontractor. The State, in its sole discretion, may require the replacement of any subcontractor in the event subcontractor fails to perform to the specifications set forth in the Contract and provided the State provide commercially reasonable, advance written notice to allow Contractor to seek a replacement subcontractor.
11. **Staffing.** The State's Contract Administrator may require Contractor to remove or reassign personnel by providing commercially reasonable, advanced written notice to Contractor to allow Contractor to seek replacement personnel.
12. **Background Checks.** Upon request, Contractor must perform background checks on all employees and subcontractors and its employees prior to their assignment. The scope is at the discretion of the State and documentation must be provided as requested. Contractor is responsible for all costs associated with the requested background checks. The State, in its sole discretion, may also perform background checks.

13. **Assignment.** Contractor may not assign this Contract to any other party without the prior approval of the State. For the avoidance of doubt, the State hereby approves of any assignment as a result of the acquisition of Contractor USA Inc. by Nokia Corporation, however Contractor must notify the State (subject to any legal requirements), and must update all tax information in the State's payment system, failure to do so, the Contractor waives its right to claim a breach in the event of the State's non-payment or its right to collect or enforce any statutory right to penalties associated with late payment.. Upon notice to Contractor, the State, in its sole discretion, may assign in whole or in part, its rights or responsibilities under this Contract to any other party. If the State determines that a novation of the Contract to a third party is necessary, Contractor will agree to the novation and provide all necessary documentation and signatures.
14. **Change of Control.** Contractor will notify, at least 90 calendar days before the effective date, the State of a change in Contractor's organizational structure or ownership. For purposes of this Contract, a change in control means any of the following: (a) a sale of more than 50% of Contractor's stock; (b) a sale of substantially all of Contractor's assets; (c) a change in a majority of Contractor's board members; (d) consummation of a merger or consolidation of Contractor with any other entity; (e) a change in ownership through a transaction or series of transactions; (f) or the board (or the stockholders) approves a plan of complete liquidation. A change of control does not include any consolidation or merger effected exclusively to change the domicile of Contractor, or any transaction or series of transactions principally for bona fide equity financing purposes.

In the event of a change of control, Contractor must require the successor to assume this Contract and all of its obligations under this Contract. For the avoidance of doubt, refer to Section 13, Assignment, above.

15. **Direct Ordering.** Contractor is not authorized to begin performance of Services until receipt of authorization as identified in Schedule A. For the avoidance of doubt, State will purchase Equipment, license Licensed Materials and/or engage Contractor to perform Services by delivering to Contractor a written order (a "Direct Order"). Each Direct Order is a firm offer and must (i) identify the State by full name and address; (ii) itemize the quantity, part number and description of the Equipment that State desires to purchase, the Licensed Materials that State desires to license, and/or the Services that State desires to engage Contractor to perform; (iii) state the price of the itemized Products and Services determined under Section 3 of this Contract (the "Price"), (iv) identify the "bill-to" address, (v) identify the "ship-to" address, (vi) set forth the requested delivery dates (and any shipping instructions) and/or performance dates, consistent with Contractor's standard published intervals, (viii) provide a State contact name and telephone number, and (ix) explicitly refer to the number of this Contract. State's "bill-to" and "ship-to" address must be located within the United States. All Direct Orders are subject to review and written acceptance by Contractor. Each Direct Order is subject only to the terms and conditions of this Contract and the applicable Quotation which is defined as the Price of a Product or Service is either (i) set forth in the appropriate Addendum or (ii) offered to State in a valid, specific, written quotation from Contractor. Terms and conditions contained in a Direct Order, which are inconsistent with this Contract or applicable Quotation, including any pre-printed terms and conditions on such Direct Order, are ineffective and void.

**Direct Order**

State may request in writing changes to a Direct Order ("Change Request") that Contractor has previously accepted. In response to a Change Request, Contractor will provide written Quotations, including any changes to prices, license fees, delivery dates or completion dates. A Change Request is a separate Direct Order subject to Contractor's change Direct Order process and written acceptance.

16. **Acceptance.** Products are deemed accepted by the State upon the earlier of 1) a successful inspection for visual damage by the State, or 2) within 2 business days of the State's receipt of the Equipment as set forth in Section 18, , unless Contractor is obligated to install the Products by the terms of an applicable Addendum or Quotation or Schedule A.

When Contractor is required by the terms of any Addendum or Quotation or Schedule A to install a Product, Contractor will perform its standard verification tests after the installation Service for that Product is complete, and upon successful completion, Contractor shall advise State that the installation has been verified. The State shall have 10 business days following Contractor's verification to test the installed Product to confirm success. The Product shall be deemed accepted by the State upon the earlier of 1) the State's confirmation or 2) the expiration of the 10 day period.

Unless otherwise specified in the Statement of Work or Addendum, Acceptance of Services is deemed to occur as Services are completed in accordance with the Statement of Work or Addendum.

17. **Delivery.** Contractor must deliver all Contract Activities F.O.B. destination, within the State premises with transportation and handling charges paid by Contractor, unless otherwise specified in Schedule A. Contractor

shall pack each Product for shipment according to Contractor's commercial standards, except as the Parties may otherwise agree in writing. All containers and packaging becomes the State's exclusive property upon acceptance.

18. **Risk of Loss and Title.** Title shall transfer to the State upon final acceptance as set forth in Section 16. After delivery, the risk of loss or damage shall be borne by the State, except loss or damage to Equipment attributable to Contractor's or Contractor's carrier's fault or negligence ("Damaged Equipment"). The State shall not be obligated to pay Contractor for any Damaged Equipment. Contractor is responsible for filing, processing, and collecting all damage claims for Damaged Equipment. The State will record and report to Contractor any evidence of visible damage. If the State rejects the Equipment, Contractor must remove them from the premises within 10 calendar days after notification of rejection. The risk of loss of Damaged Equipment, rejected or non-conforming Equipment remains with Contractor. Damaged or otherwise rejected Equipment not removed by Contractor within 10 calendar days will be deemed abandoned by Contractor, and the State will have the right to dispose of it as its own property. Contractor must reimburse the State for costs and expenses incurred in storing or effecting removal or disposition of rejected Equipment or Damaged Equipment.
19. **Limited Warranty.** Contractor warrants to State that for the warranty period defined herein: (a) Equipment and Software media manufactured by Contractor (including those manufactured for Contractor by a contract manufacturer and based on Contractor's procurement specification) and purchased hereunder will, under normal use and service, be free from defects in material and workmanship; (b) Equipment manufactured by Contractor or Software owned by Contractor and purchased or licensed hereunder will materially conform to Contractor's specifications in effect on the date of shipment; and (c) Services purchased hereunder will be performed in accordance with Contractor's written standards, or in the absence of such standards, in a professional and workmanlike manner. However, Contractor makes no warranty that any Software will operate uninterrupted or error free. For Products or partial assembly of Products furnished by Contractor where the Equipment and Software media was not manufactured by Contractor and/or the Software is not owned by Contractor, Contractor hereby assigns, to the extent permitted, the warranties given to Contractor by its suppliers or licensors of such items. The warranty period for Contractor Equipment and Software is 12 months and begins on the date of acceptance, unless Contractor performs installation Services for the Equipment or Software, in which case the warranty period begins on the date of Product acceptance as determined under Section 16. The warranty period for Services is 30 days beginning on the date of acceptance. If any Equipment is not as warranted in this Section 19, then (a) State must obtain from Contractor a return authorization number and properly pack and return the Equipment at its expense, together with the authorization number and a detailed description of the problem, to Contractor's designated repair facility; and (b) Contractor shall repair or replace the Equipment and return it at Contractor's expense to State's point of shipment. State has the risk of loss and damage to any Equipment returned to Contractor for repair or replacement until receipt by Contractor of such Equipment. Contractor shall assume the risk of loss and damage to any Equipment returned to Contractor for repair or replacement from receipt until delivery to State's point of shipment. If Contractor ascertains that Equipment is not readily returnable for repair, then at its option, Contractor may elect to repair or replace the Equipment at State's site. In such instances, State, at its expense, shall make the Equipment accessible for repair or replacement and shall restore the site after Contractor has completed its repair or replacement. For any Equipment or parts thereof repaired or replaced under this Section 8, the warranty period applicable to the Equipment will continue for the longer of (c) the remainder of the original warranty period or (d) 90 days after shipment date of the repaired or replaced Equipment. Upon notice from State that any Software is not as warranted in this Section 19, Contractor shall correct the Software by (a) electronic means or (b) delivery to State of suitable media chosen solely by Contractor. The warranty period for the corrected Software via fixes and/or patches will be the remainder of the original warranty period. Upon notice from State that any Service is not as warranted in this Section 19, Contractor shall correct the Service. The warranty period for the corrected Service will be the remainder of the original warranty period. If Contractor determines that it cannot, in a commercially reasonable manner: (a) repair or replace any Equipment, (b) correct any Software, or (c) correct any Services, then Contractor may, in its sole discretion, credit to State the Price of the Product or Services, less a reasonable adjustment for beneficial use. In repairing or replacing any Equipment, part of Equipment, or Software medium under this warranty, Contractor may use new, remanufactured, reconditioned, refurbished, or functionally equivalent Equipment, parts of Equipment, or Software medium. Notwithstanding any provision of this Contract to the contrary, Contractor has no obligation to repair or replace any Equipment, correct any Software, or correct any Services if (a) the Product has been modified, repaired or reworked by anyone other than Contractor; or (b) the defect is the result of (i) any improper storage, handling or use by anyone other than Contractor, (ii) failure to provide a suitable climatic and/or operational environment (including, by way of example, failure to provide the facilities prescribed in Contractor's specifications, failure to provide for adequate control of humidity or failure to prevent the ingress of dust particles), (iii) operator error, (iv) improper installation of the Product by anyone other than Contractor, (v) use in a manner not in accordance with the Documentation, (vi) failure to implement any new releases or updates to the Software, (vii) any use of the Product in conjunction with another non-Contractor product (except to the extent provided in the Documentation), (viii) consumable items, including fuses, light bulbs, motor brushes and the like, (ix) Products which have had their serial numbers or month and year of manufacture removed,



altered, defaced, or deleted, or (x) any damage by power failure, fire, explosion or any act of God or other cause beyond Contractor's control. The warranties set forth in this Section 19 are nontransferable. If Contractor determines that any returned Equipment or Software is not defective, State shall pay Contractor's costs of handling, inspecting, testing, and transportation. Warranty does not include: Contractor assisting in diagnostic efforts; access to Contractor's technical support web sites, databases, or tools; Product integration; on-site assistance; or Documentation updates. These Services may be available during and after the warranty period at Contractor's published prices. THE LIMITED WARRANTY SET FORTH IN THIS SECTION FOR PRODUCTS AND SERVICES IS THE EXCLUSIVE WARRANTY. WITH THE EXCEPTION OF SECTION 37, CONTRACTOR DISCLAIMS ALL OTHER WARRANTIES, REPRESENTATIONS AND/OR CONDITIONS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND/OR NON-INFRINGEMENT. THE REMEDIES PROVIDED UNDER THIS SECTION IS STATE'S EXCLUSIVE REMEDIES FOR FAILURE OF PRODUCTS OR SERVICES TO CONFORM TO THE WARRANTY.

20. **Terms of Payment.** Contractor will issue invoices as follows: (a) for Products, upon acceptance; (b) for non-recurring Services, including engineering and installation Services, as such Services are incurred; and (c) for recurring Services, including maintenance and management Services, upon commencement of such Services. Except as may be expressly provided in an applicable Addendum or Quotation, all amounts due for recurring Services are payable in advance. Each invoice will describe the requested Products or Services and their respective Prices and will also show the total amount due to Contractor from State, including all taxes, transportation charges, and other costs or charges that are State's responsibility (the "Invoice Total"), Invoices must conform to the requirements communicated from time-to-time by the State. All undisputed Invoice Totals are payable within 30 days of the State's receipt of the invoice. Contractor may only charge for Services performed as specified in Schedule A and/or Products delivered. Invoices must include an itemized statement of all charges. The State is exempt from State sales tax for direct purchases and may be exempt from federal excise tax, if Services purchased under this Agreement are for the State's exclusive use. Notwithstanding the foregoing, all prices are inclusive of taxes, and Contractor is responsible for all sales, use and excise taxes, and any other similar taxes, duties and charges of any kind imposed by any federal, state, or local governmental entity on any amounts payable by the State under this Contract. The State must provide Contractor with an acceptable tax exempt certification to claim tax exemption.

The Contractor has the right to reject any unaccepted Direct Order, suspend or delay shipment of any Product and/or performance of any Service under an accepted Direct Order, if (i) State breaches any of its payment obligations under this Contract, except as provided in Section 13 or (ii) an Event of Default (defined in Section 23) exists. Except as stated in Section 13, if Contractor fails to receive State's timely payment for Services, Contractor may immediately cease performing the Services. The State shall notify Contractor of any billing discrepancies or disputes about an invoice within 10 business days after receiving it, specifying with particularity the basis of any such discrepancy or dispute ("Dispute Notice"). Tender of a Dispute Notice does not relieve State of its obligations to pay the undisputed portion of the invoice. The Parties shall negotiate in good faith to resolve any Dispute Notice.

The State will only disburse payments under this Contract through Electronic Funds Transfer (EFT). Contractor must register with the State at <http://www.michigan.gov/SIGMAVSS> to receive electronic fund transfer payments. If Contractor does not register, the State is not liable for failure to provide payment. Without prejudice to any other right or remedy it may have, the State reserves the right to set off at any time any amount then due and owing to it by Contractor against any amount payable by the State to Contractor under this Contract.

21. **Liquidated Damages.** Liquidated damages, if applicable, will be assessed as described in Schedule A.
22. **Stop Work Order.** The State may suspend any or all activities under the Contract at any time. The State will provide Contractor a written stop work order detailing the suspension. Contractor must comply with the stop work order upon receipt. Within 90 calendar days, or any longer period agreed to by Contractor, the State will either: (a) issue a notice authorizing Contractor to resume work, or (b) terminate the Contract or purchase order. The State will not pay for Contract Activities, Contractor's lost profits, or any additional compensation during a stop work period; however, in such event, the State is obligated to pay for Products delivered and Services performed up to the effective date of the Stop Work Order.
23. **Termination for Cause.** The State may terminate this Contract for cause, in whole or in part, if Contractor, as determined by the State: (a) becomes insolvent, petitions for bankruptcy court proceedings, or has an involuntary bankruptcy proceeding filed against it by any creditor; (b) breaches any of its material duties or obligations; or (c) fails to cure a breach within 30 days of a written notice of breach. Any reference to specific breaches being material breaches within this Contract will not be construed to mean that other breaches are not material.

If the State terminates this Contract under this Section 23, the State will issue a written termination notice specifying whether Contractor must: (a) cease performance immediately if the result of Section 23.a., or (b) continue to perform for a specified period if the result of Section 23.b. or 23.c. If it is later determined that Contractor was not in breach of the Contract, the termination will be deemed to have been a Termination for Convenience, effective as of the same date, and the rights and obligations of the parties will be limited to those provided in Section 24, Termination for Convenience. Upon the occurrence of any one or more of the following events and upon written notice to State, Contractor will have the right, in its sole discretion and without prejudice to any other rights or remedies which it may have under this Contract, to terminate this Contract in its entirety and to suspend performance hereunder (including suspension of performance of all outstanding Direct Orders), without any further obligation or liability to State except with respect to Products already shipped and Services already performed: (a) State breaches its obligation to, or otherwise fails, to make payment of any undisputed amount when due to Contractor, except as provided in Section 13, (b) State is in breach of any of its material obligations under this Contract and such breach continues for 30 days after State's receipt of notice thereof; or (c) State breaches any term or condition of any Software license or its obligations under "Use of Confidential Information" above and that breach continues for 15 days after receiving notice thereof. Each of the events described in subparagraphs (a) through (c) above constitutes an "Event of Default".

The State will only pay for amounts due to Contractor for Products delivered and/or Services performed on or before the date of termination, subject to the State's right to set off any amounts owed by the Contractor for the State's reasonable costs in terminating this Contract. The Contractor must pay all reasonable costs incurred by the State in terminating this Contract for cause, including administrative costs, attorneys' fees, court costs.

24. **Termination for Convenience.** The State may immediately terminate this Contract in whole or in part without penalty and for any reason, including but not limited to, appropriation or budget shortfalls. The termination notice will specify whether Contractor must: (a) cease performance of the Services and/or delivery of the Products immediately, or (b) continue to perform the Services and/or the delivery of Products in accordance with Section 25, Transition Responsibilities. If the State terminates this Contract for convenience, the State will pay for amounts due to Contractor for Products delivered and/or Services performed on or before the date of termination.
25. **Transition Responsibilities.** Direct Order Termination assistance, if applicable, will be mutually agreed upon by the Parties in Schedule A.
26. **General Indemnification.** Contractor must defend, indemnify and hold the State, its departments, divisions, agencies, offices, commissions, officers, and employees harmless, without limitation, from and against any and all third party actions, claims, losses, liabilities, damages, costs, attorney fees, and expenses (including those required to establish the right to indemnification), arising out of or relating to: (a) any breach by Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable) of any of the promises, agreements, representations, warranties, or insurance requirements contained in this Contract; (b) any infringement, misappropriation, or other violation of any intellectual property right or other right of any third party; (c) any bodily injury, death, or damage to real or tangible personal property occurring wholly or in part due to action or inaction by Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable); and (d) any acts or omissions of Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable).

The State will notify Contractor in writing if indemnification is sought; however, failure to do so will not relieve Contractor, except to the extent that Contractor is materially prejudiced. Contractor must, to the satisfaction of the State, demonstrate its financial ability to carry out these obligations.

The State is entitled to: (i) regular updates on proceeding status; (ii) participate in the defense of the proceeding; (iii) employ its own counsel; and to (iv) retain control of the defense if the State deems necessary. Contractor will not, without the State's written consent (not to be unreasonably withheld), settle, compromise, or consent to the entry of any judgment in or otherwise seek to terminate any claim, action, or proceeding. To the extent that any State employee, official, or law may be involved or challenged, the State may, at its own expense, control the defense of that portion of the claim.

Any litigation activity on behalf of the State, or any of its subdivisions under this Section 26, must be coordinated with the Department of Attorney General. An attorney designated to represent the State may not do so until approved by the Michigan Attorney General and appointed as a Special Assistant Attorney General.

27. **Infringement Remedies.** Subject to the conditions and exceptions stated below, Contractor: (a) shall defend State against any claim, action or proceeding brought against State alleging an infringement or misappropriation of any United States patent, copyright, trade secret or other intellectual property right of any third party (other than

an affiliate of State) because of use, consistent with Contractor's specifications, of any Equipment manufactured by Contractor or Software owned by Contractor (a "Claim") and provided to State under this Contract; and (b) shall indemnify State against, and hold State harmless from, any and all costs and damages assessed against State in a final judgment on such Claim, if: (i) State gives Contractor prompt written notice of the Claim, (ii) State grants to Contractor the sole authority to assume the defense, and the sole right to settle the Claim, through counsel chosen by Contractor, and (iii) State furnishes all information and assistance requested by Contractor and reasonably cooperates with Contractor to facilitate the defense and settlement of the Claim. If State's use of any Product is enjoined as a result of any Claim, is subject to a Claim, or in Contractor's opinion is likely to be enjoined or to be subject to a Claim, then, at its expense, Contractor may: (a) procure for State the right to continue to use the Product; or (b) replace or modify the Product with a functionally-equivalent or better Product so that State's use is not subject to a Claim. If Contractor determines that it cannot accomplish either of the foregoing in a commercially reasonable manner, then, upon Contractor's request, (c) State shall deliver the Product to Contractor, and (d) Contractor shall promptly credit to State the Price of the Product less a reasonable allowance for use. Contractor has no obligations under this Section 27 with respect to a Claim to the extent that it: (a) arises from adherence to design modifications, specifications, drawings or written instructions which State directs Contractor to follow, (b) relates to uses of any Product in combination with any item not provided directly by Contractor, if use of the Product alone would not have resulted in such infringement, (c) relates to the use of any Product in a manner not contemplated by this Contract, or (d) relates to a modification of any Product by any person other than Contractor. The rights and remedies set forth in this Section 27 are State's exclusive rights and remedies with respect to third party claims of infringement and misappropriation.

**28. Disclaimer of Damages and Limitation of Liability.**

(a) Disclaimer of Damages. NEITHER PARTY WILL BE LIABLE, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR BY STATUTE OR OTHERWISE, FOR ANY CLAIM RELATED TO OR ARISING UNDER THIS CONTRACT FOR CONSEQUENTIAL, INCIDENTAL, INDIRECT, OR SPECIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOST PROFITS AND LOST BUSINESS OPPORTUNITIES.

(b) Limitation of Liability. IN NO EVENT WILL EITHER PARTY'S AGGREGATE LIABILITY TO THE OTHER PARTY UNDER THIS CONTRACT, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR BY STATUTE OR OTHERWISE, FOR ANY CLAIM RELATED TO OR ARISING UNDER THIS CONTRACT, EXCEED THE MAXIMUM AMOUNT OF AGGREGATE FEES SPECIFIED IN THE CONTRACT, WITH THE EXCEPTION OF LIABILITY FOR ANY CLAIMS RELATED TO OR ARISING FROM THE STATE'S BREACH OF SECTION 55, GRANT OF LICENSE, FOR WHICH THE STATE'S AGGREGATE LIABILITY TO CONTRACTOR, REGARDLESS OF THE FORM OF ACTION WILL NOT EXCEED ONE AND ONE HALF TIMES THE MAXIMUM AMOUNT OF AGGREGATE FEES SPECIFIED IN THE CONTRACT.

(c) Exceptions. Subsections (a) (Disclaimer of Damages) and (b) (Limitation of Liability) above, shall not apply to: (i) Contractor's obligation to indemnify under Section 26 of this Contract; (ii) claims for physical damage to real or tangible property; and (iii) any loss or claim to the extent the loss or claim is covered by a policy of insurance maintained, or required by this Contract to be maintained, by Contractor.

(d) Nothing herein shall be construed to waive any law regarding sovereign immunity, or any other immunity, restriction, or limitation on recovery provided by law.

**29. Disclosure of Litigation, or Other Proceeding.** Contractor endeavor to notify the State within 14 calendar days of receiving notice of any litigation, investigation, arbitration, or other proceeding (collectively, "Proceeding") involving Contractor, a subcontractor, or an officer or director of Contractor or subcontractor, that arises during the term of the Contract, including: (a) a criminal Proceeding; (b) a parole or probation Proceeding; (c) a Proceeding under the Sarbanes-Oxley Act; (d) a civil Proceeding involving: (1) a claim that might reasonably be expected to adversely affect Contractor's viability or financial stability; or (2) a governmental or public entity's claim or written allegation of fraud; or (e) a Proceeding involving any license that Contractor is required to possess in Direct Order to perform under this Contract.

**30. Reserved.**

**31. Reserved.**

32. **Direct Order Non-Disclosure of Confidential Information.** The parties acknowledge that each party may be exposed to or acquire communication or data of the other party that is confidential, privileged communication not intended to be disclosed to third parties. The provisions of this Section survive the termination of this Contract.

- a. **Meaning of Confidential Information.** For the purposes of this Contract, the term "Confidential Information" means all information and documentation of a party that: (a) has been marked "confidential" or with words of similar meaning, at the time of disclosure by such party; (b) if disclosed orally or not marked "confidential" or with words of similar meaning, was subsequently summarized in writing by the disclosing party and marked "confidential" or with words of similar meaning; and, (c) should reasonably be recognized as confidential information of the disclosing party. The term "Confidential Information" does not include any information or documentation that was: (a) subject to disclosure under the Michigan Freedom of Information Act (FOIA); (b) already in the possession of the receiving party without an obligation of confidentiality; (c) developed independently by the receiving party, as demonstrated by the receiving party, without violating the disclosing party's proprietary rights; (d) obtained from a source other than the disclosing party without an obligation of confidentiality; or, (e) publicly available when received, or thereafter became publicly available (other than through any unauthorized disclosure by, through, or on behalf of, the receiving party).
- b. **Obligation of Confidentiality.** The parties agree to hold all Confidential Information in strict confidence and not to copy, reproduce, sell, transfer, or otherwise dispose of, give or disclose such Confidential Information to third parties other than employees, agents, or subcontractors of a party who have a need to know in connection with this Contract or to use such Confidential Information for any purposes whatsoever other than the performance of this Contract. The parties agree to advise and require their respective employees, agents, and subcontractors of their obligations to keep all Confidential Information confidential. Disclosure to a subcontractor is permissible where: (a) use of a subcontractor is authorized under this Contract; (b) the disclosure is necessary or otherwise naturally occurs in connection with work that is within the subcontractor's responsibilities; and (c) Contractor obligates the subcontractor in a written contract to maintain the State's Confidential Information in confidence. At the State's request, any employee of Contractor or any subcontractor may be required to execute a separate agreement to be bound by the provisions of this Section.
- c. **Cooperation to Prevent Disclosure of Confidential Information.** Each party must use its best efforts to assist the other party in identifying and preventing any unauthorized use or disclosure of any Confidential Information. Without limiting the foregoing, each party must advise the other party immediately in the event either party learns or has reason to believe that any person who has had access to Confidential Information has violated or intends to violate the terms of this Contract and each party will cooperate with the other party in seeking injunctive or other equitable relief against any such person.
- d. **Remedies for Breach of Obligation of Confidentiality.** Each party acknowledges that breach of its obligation of confidentiality may give rise to irreparable injury to the other party, which damage may be inadequately compensable in the form of monetary damages. Accordingly, a party may seek and obtain injunctive relief against the breach or threatened breach of the foregoing undertakings, in addition to any other legal remedies which may be available, to include, in the case of the State, at the sole election of the State, the immediate termination, without liability to the State, of this Contract or any Statement of Work corresponding to the breach or threatened breach.
- e. **Surrender of Confidential Information upon Termination.** Upon termination of this Contract or a Statement of Work, in whole or in part, each party must, within 5 calendar days from the date of termination, return to the other party any and all Confidential Information received from the other party, or created or received by a party on behalf of the other party, which are in such party's possession, custody, or control; provided, however, that Contractor must return State Data to the State following the timeframe and procedure described further in this Contract. Should Contractor or the State determine that the return of any Confidential Information is not feasible, such party must destroy the Confidential Information and must certify the same in writing within 5 calendar days from the date of termination to the other party. However, the State's legal ability to destroy Contractor data may be restricted by its retention and disposal schedule, in which case Contractor's Confidential Information will be destroyed after the retention period expires.

33. **Reserved.**

34. **RESERVED**

35. **RESERVED**

36. **Records Maintenance, Inspection, Examination, and Audit.** The State or its designee may audit Contractor to verify compliance with this Contract. Contractor must retain, and provide to the State or its designee and the auditor general upon request, all financial and accounting records related to the Contract through the term of the Contract and for 4 years after the latter of termination, expiration, or final payment under this Contract or any extension ("Audit Period"). If an audit, litigation, or other action involving the records is initiated before the end of the Audit Period, Contractor must retain the records until all issues are resolved.

Within 10 calendar days of providing notice, the State and its authorized representatives or designees have the right to enter and inspect Contractor's premises or any other places where Services are being performed or Products are being delivered, and examine, copy, and audit all records related to this Contract. Contractor must cooperate and provide reasonable assistance. If any financial errors are revealed, the amount in error must be reflected as a credit or debit on subsequent invoices until the amount is paid or refunded. Any remaining balance at the end of the Contract must be paid or refunded within 45 calendar days. Notwithstanding the aforementioned, State is limited to one (1) audit annually.

This Section applies to Contractor, any parent, affiliate, or subsidiary organization of Contractor, and any subcontractor that performs Services or delivers Products in connection with this Contract.

37. **Warranties and Representations.** Contractor represents and warrants: (a) Contractor is the owner or licensee of any Licensed Materials that it licenses or sells and Contractor has the rights necessary to licensed use; (b) all Products are delivered free from any security interest, lien, or encumbrance and will continue in that respect; (c) the Contract signatory has the authority to enter into this Contract; (d) all information furnished by Contractor in connection with the Contract fairly and accurately represents Contractor's business, properties, finances, and operations as of the dates covered by the information, and Contractor will inform the State of any material adverse changes; and (e) all information furnished and representations made in connection with the award of this Contract is true, accurate, and complete, and contains no false statements or omits any fact that would make the information misleading. A breach of this Section 37 is considered a material breach of this Contract, which entitles the State to terminate this Contract under Section 23, Termination for Cause.
38. **Conflicts and Ethics.** Contractor will uphold high ethical standards and is prohibited from: (a) holding or acquiring an interest that would conflict with this Contract; (b) doing anything that creates an appearance of impropriety with respect to the award or performance of the Contract; (c) attempting to influence or appearing to influence any State employee by the direct or indirect offer of anything of value; or (d) paying or agreeing to pay any person, other than employees and consultants working for Contractor, any consideration contingent upon the award of the Contract. Contractor must immediately notify the State of any violation or potential violation of these standards. This Section applies to Contractor, any parent, affiliate, or subsidiary organization of Contractor, and any subcontractor that performs Contract Activities in connection with this Contract.
39. **Compliance with Laws.** Contractor must comply with all applicable federal, state and local laws, rules and regulations.
40. **Prevailing Wage.** This contract and any subcontract is subject to Prevailing Wage Act, 1965 PA 166. Contractor must comply with the state prevailing wage law and its requirements.
41. **Reserved.**
42. **Nondiscrimination.** Under the Elliott-Larsen Civil Rights Act, 1976 PA 453, MCL 37.2101, *et seq.*, and the Persons with Disabilities Civil Rights Act, 1976 PA 220, MCL 37.1101, *et seq.*, Contractor and its subcontractors agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, marital status, or mental or physical disability. Breach of this covenant is a material breach of this Contract.
43. **Unfair Labor Practice.** Under MCL 423.324, the State may void any Contract with a Contractor or subcontractor who appears on the Unfair Labor Practice register compiled under MCL 423.322.
44. **Governing Law.** This Contract is governed, construed, and enforced in accordance with Michigan law, excluding choice-of-law principles, and all claims relating to or arising out of this Contract are governed by Michigan law, excluding choice-of-law principles. Any dispute arising from this Contract must be resolved in Michigan Court of Claims. Contractor consents to venue in Ingham County, and waives any objections, such as lack of personal jurisdiction or *forum non conveniens*. Contractor must appoint agents in Michigan to receive service of process.

45. **Non-Exclusivity.** Nothing contained in this Contract is intended nor will be construed as creating any requirements contract with Contractor. This Contract does not restrict the State or its agencies from acquiring similar, equal, or like Services or Products from other sources.

46. **Force Majeure.** Neither party will be in breach of this Contract because of any failure arising from any disaster or acts of god that are beyond their control and without their fault or negligence. Each party will use commercially reasonable efforts to resume performance. Contractor will not be relieved of a breach or delay caused by its subcontractors unless such delay is a result of a force majeure event. If immediate performance is necessary to ensure public health and safety, the State may immediately contract with a third party at its sole expense.

47. **Dispute Resolution.** The Parties will endeavor to resolve any Contract dispute in accordance with this provision. The dispute will be referred to the Parties' respective Contract Administrators or Program Managers. Such referral must include a description of the issues and all supporting documentation. The Parties must submit the dispute to a senior executive if unable to resolve the dispute within 15 business days. The Parties will continue performing while a dispute is being resolved, unless the dispute precludes performance. A dispute involving payment does not preclude performance.

Litigation to resolve the dispute will not be instituted until after the dispute has been elevated to the Parties' senior executive and either concludes that resolution is unlikely, or fails to respond within 15 business days. The Parties are not prohibited from instituting formal proceedings: (a) to avoid the expiration of statute of limitations period; (b) to preserve a superior position with respect to creditors; or (c) where a Party makes a determination that a temporary restraining order or other injunctive relief is the only adequate remedy. This Section 47 does not limit the State's right to terminate the Contract.

48. **Media Releases.** News releases (including promotional literature and commercial advertisements) pertaining to the Contract or project to which it relates must not be made without prior written State approval, which shall not be unreasonably withheld, and then only in accordance with the explicit written instructions of the State.

49. **Website Incorporation.** The State is not bound by any content on Contractor's website unless expressly incorporated directly into this Contract. For the avoidance of doubt, should State purchase technical support, such technical support includes access to Contractor's help desk network and additional terms or such support will be negotiated by the Parties.

50. **Entire Agreement and Order of Precedence.** This Contract, which includes Schedule A – Statement of Work, and expressly incorporated schedules and exhibits, is the entire agreement of the parties related to the performance of the Services delivery of the Products, and licensing of the Licensed Materials. This Contract supersedes and replaces all previous understandings and agreements between the parties for the Services, Products, and Licensed Materials. If there is a conflict between documents, the order of precedence is: (a) first, this Contract, excluding its schedules, exhibits, and Schedule A – Statement of Work; (b) second, Schedule A – Statement of Work as of the Effective Date; and (c) third, schedules expressly incorporated into this Contract as of the Effective Date. EXCEPT AS SET FORTH IN THIS CONTRACT, NO TERMS ON CONTRACTOR'S INVOICES, ORDERING DOCUMENTS, WEBSITE, BROWSE-WRAP, SHRINK-WRAP, CLICK-WRAP, CLICK-THROUGH OR OTHER NON-NEGOTIATED TERMS AND CONDITIONS PROVIDED WITH ANY OF THE PRODUCTS OR LICENSED MATERIALS WILL CONSTITUTE A PART OR AMENDMENT OF THIS CONTRACT OR IS BINDING ON THE STATE FOR ANY PURPOSE. ALL SUCH OTHER TERMS AND CONDITIONS HAVE NO FORCE AND EFFECT AND ARE DEEMED REJECTED BY THE STATE, EVEN IF ACCESS TO OR USE OF THE CONTRACT ACTIVITIES REQUIRES AFFIRMATIVE ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

51. **Severability.** If any part of this Contract is held invalid or unenforceable, by any court of competent jurisdiction, that part will be deemed deleted from this Contract and the severed part will be replaced by agreed upon language that achieves the same or similar objectives. The remaining Contract will continue in full force and effect.

52. **Waiver.** Failure to enforce any provision of this Contract will not constitute a waiver.

53. **Survival.** The provisions of this Contract that impose continuing obligations, including warranties and representations, termination, transition, insurance coverage, indemnification, and confidentiality, will survive the expiration or termination of this Contract.

54. **Contract Modification.** This Contract may not be amended except by signed agreement between the parties (a "Contract Change Notice"). Notwithstanding the foregoing, no subsequent Statement of Work or Contract

Change Notice executed after the Effective Date will be construed to amend this Contract unless it specifically states its intent to do so and cites the section or sections amended.

55. **Grant of License.** State shall use all Licensed Materials in accordance with this Section 55. Upon delivery of any Licensed Material and subject to State's payment of the applicable fees for such Licensed Material and compliance with the other terms and conditions of this Contract, Contractor grants to State, and State accepts, a personal, nonexclusive, nontransferable license to use the portions of the Licensed Material for which activation has been authorized by Contractor, solely on or with the single unit or arrangement of Equipment for which the Licensed Material was delivered, for State's internal use in the United States. State acknowledges and agrees that: (a) Contractor may have encoded within the Software optional functionality, features and/or capacity, which may be accessed only through the purchase of the applicable license extension from Contractor at an additional Price (no licenses are granted to such functionality, features and/or capacity unless State purchases the applicable license extension); and (b) State may need to obtain a new or additional application key from Contractor to use such Software. This Contract applies to all updates, upgrades, maintenance releases, revisions and enhancements for the Licensed Materials which Contractor may supply to State from time to time. State may copy Licensed Materials as reasonably necessary for backup and archival purposes if the copies contain all of the Contractor proprietary notices contained in the original Licensed Materials. All copies of all Licensed Materials (including partial copies) are Contractor Confidential Information. All rights, title and interest in and to the Licensed Materials, including all intellectual property rights, remain vested in Contractor, its suppliers and licensors, and State is granted only a limited license to use the Licensed Materials in conjunction with the Equipment, as set out in this Section 55. State shall not directly or indirectly: (a) modify, copy, transmit, alter, merge, decompile, disassemble, reverse engineer or adapt any Licensed Material or portion thereof; (b) encumber, time-share, rent or lease the rights granted herein; (c) manufacture, adapt, create derivative works of, localize, port or otherwise modify any Licensed Material or portion thereof; (d) disclose or otherwise make available any Licensed Material or portion thereof to any third party; (e) enable any Software functionality, feature or capacity which Contractor licenses as a separate product, without Contractor's prior written consent; (f) take any action that may result in the Software becoming subjected to the terms of a license that requires it to be (i) disclosed or distributed in source code form, (ii) licensed for the purpose of making derivative works, or (iii) redistributable at no charge; or (g) use any Licensed Material or portion thereof except in accordance with this Section 55. (h) Upon prior written request, but no more than once annually, Contractor may request the State certify the number of Products and Licensed Materials and the manner of use by the State. If the certification shows that State is deploying, installing or using the Products and Licensed Materials (i) beyond the quantity that was legitimately licensed; or (ii) in any way not permitted under this Contract, so that additional fees apply, State must pay the additional license fees and any applicable related maintenance and support fees based on Contractor's quoted rate, within 30 days of invoice date. Payment under this provision shall be Contractor's sole and exclusive remedy to address over deployment, but in no way limits Contractor's ability to remedy other violations of this Contract. Certain Software may be delivered with its own specific license ("Additional License"). In such a case, the terms of the Additional License will be delivered to State, such as in a separate license.txt file or as part of a tear-open document, and will govern use of the Software by State to the extent Contractor does not have a right to supersede them in this Contract or to the extent that State does not have an existing agreement with any third party software provider. Contractor acknowledges that the State cannot indemnify any third parties, including but not limited to Contractor, or any third-party software providers that provide software that will be incorporated in or otherwise used in conjunction with the Products or Services, and that notwithstanding anything to the contrary contained in any third-party software license agreement or end user license agreement, the State will not indemnify any third party software provider for any reason whatsoever. During the Term of this Contract, any audit rights contained in any Additional License, will apply solely to Contractor (or its subcontractors) facilities and equipment and regardless of anything to the contrary contained in any Additional License, third party software providers will have no audit rights whatsoever against the State. If State's license or Additional License is cancelled or terminated, or when State no longer uses the Licensed Materials, State shall return or destroy the Licensed Materials and all copies and certify to Contractor that it has done so.
56. **Services.** The term of performance for each Service will begin when specified in the Service Quotation or Addendum and will continue until the earlier of: (a) the expiry date specified in the Quotation or Addendum; (b) the date the Service has been accepted or completed, as the case may be; or (c) the date it is terminated under this Contract. State understands that Contractor is in the business of providing services drawing upon the knowledge, understanding and expertise Contractor has gained from working with many varied customers. Nothing in this Contract will be deemed to assign rights to or limit Contractor's use of any information, know-how or knowledge to the extent it does not contain State's Confidential Information. State hereby grants to Contractor a non-exclusive, personal, royalty-free and non-transferable license to make, have made, use, execute, perform, copy (as reasonably necessary), display, modify and make derivative works under any and all intellectual property rights owned by State to the extent necessary for furnishing Services and deliverables under this Contract and to perform its obligations under this Contract. Except as expressly set forth in this Contract, no right or license is either granted or implied by either Party to the other with respect to any technical or business information, or with respect to rights in any patents, trademarks, copyrights, trade secrets, mask work protection rights, and other intellectual property.



Subject to State's right, title and interest in State's Confidential Information, any and all inventions, derivative works, improvements, developments or innovations that Contractor (and its contractors or consultants, as the case may be) may make, conceive or devise in the course of performing Services and/or furnishing deliverables under this Contract, are the sole and exclusive property of Contractor, including all patents, copyrights, trademarks and trade secrets embodied in them. Contractor will make reasonable efforts consistent with sound business practices to honor State's specific requests regarding assignment of employees, but Contractor reserves the sole right to determine the assignment of its personnel to perform Services hereunder. Contractor personnel at all times are subject to the employment conditions of Contractor and not those of State. During the term of this Contract (including any extensions) and for one year after termination or expiration of this Contract, State shall not, except with Contractor's prior written consent, solicit for employment Contractor employees performing Services under this Contract. This does not restrict State from placing employment advertising in trade or general media or from using recruiters provided that such advertising and recruiters do not target Contractor employees.

57. **State Responsibilities.** At all times during the performance of any Services at State's site, State shall (a) ensure that all easements, rights-of-way and other permits necessary to permit the performance of the Services are in effect, (b) ensure that the site is safe and free from actual or potential hazards and equipped with reasonable heat, light, plumbing, working and staging space, electricity and ventilation, (c) provide sufficient on-site storage space for Contractor's equipment and materials, upon prior written approval of the State, (d) ensure that Contractor's personnel have access to the site and to the applicable Products during the times specified in the Statement of Work to perform the Services, and (e) timely comply with Contractor's reasonable requests for information necessary to permit Contractor to perform the Services properly. While performing Services, Contractor personnel shall comply with any and all site security rules provided and agreed to by Contractor in advance. State shall cooperate with Contractor in the performance of Services hereunder, and perform State's responsibilities specified in each Service Quotation or Addendum. In addition, State shall: (a) provide experienced, qualified personnel having appropriate skills to perform their assigned tasks and duties in a competent, timely fashion and assist Contractor in completing the Services; (b) promptly render all reviews, decisions and approvals so as not to delay or impede Contractor's performance of Services; (c) ensure that a State representative is available during regular business hours to provide such information and assistance as Contractor may require in connection with the Services, (d) promptly notify Contractor of any issues or concerns; (e) regularly back up files and all data; (f) conduct acceptance tests for Services and Products following the procedures set forth in Section 16 or in any Service Quotation or Addendum, or as agreed in writing; (g) unless site preparation is specified as a Service to be provided by Contractor, prepare its site for installation of any Products, providing a standard telecommunications environment according to the applicable site and equipment specifications including the removal and proper disposal of all asbestos or other hazardous materials; and (h) furnish to Contractor the appropriate interface specifications necessary to connect Equipment to, or use the Licensed Materials on or with, State's MPSCS network infrastructure, and all rights necessary to use such interface specifications to connect Equipment to, or use the Licensed Materials on or with, State's MPSCS network infrastructure. State shall ensure the accuracy and completeness of such interface specifications, and Contractor is not responsible for any consequences resulting from inaccurate or incomplete interface specifications. State understands that Contractor's performance is dependent on State's timely and effective satisfaction of State's responsibilities under this Contract, including timely decisions and approvals. If State fails to meet any of its material responsibilities stated in this Contract or in applicable Addenda or Service Quotations, and such failure materially affects Contractor's ability to perform, then Contractor will be excused from performing its obligations until State provides what Contractor requires to perform.
58. **Prices.** Price of a Product or Service is either (i) set forth in the appropriate Addendum, Schedule A or (ii) offered to State in a valid, specific, written quotation from Contractor (a "Quotation"). A Quotation is valid for 30 days after issuance, except as otherwise provided therein. All Quotations are deemed to incorporate this Agreement. If State submits a Direct Order other than in response to a Quotation, then the Price of the requested Product or Service must be that set forth in the appropriate Addendum. Contractor may change its prices at any time without prior notice to State, but such change will not affect the agreed upon Discount Off List or any outstanding Quotation or any accepted Direct Order. Price does not include, and State shall pay Contractor for, any and all charges for packing requirements exceeding Contractor's commercial standards. State shall pay for, or reimburse Contractor if Contractor pays for, the shipment of any Product from Contractor's designated dock to the destination specified by State. Contractor shall prepay all applicable shipping charges, unless: (a) the Direct Order requests shipment "Collect" and identifies the carrier and State's account number with that carrier and (b) State or its agent coordinates shipment with Contractor's transportation department in advance of delivery. Price is based on Contractor's standard, published intervals for shipping, planning, or completion, unless Contractor otherwise agrees in the Quotation or Addendum. The Price does not include, and State shall pay, or reimburse, Contractor for, any and all costs or charges for or relating to (a) specific or special delivery requirements (e.g., street closure, parking fees, lift gates, cranes, heavy-lifting equipment and other similar charges) and (b) goods or services needed to install any Product (e.g., obtaining power, telephone lines and other similar charges), except to the extent that those costs or charges have been explicitly identified and included in the related Quotation or accepted Direct Order. Price for a Service is based on the specific assumptions, requirements, Product quantities, configuration(s), and



location(s) set forth in the Quotation or Addendum, and the Price for a Service is subject to adjustment if any of these items are changed or if a Service is renewed. In addition to the Price for Services, State shall also pay charges incurred under this Agreement, including charges for: (a) work undertaken by Contractor at State's request that is not included in the Quotation; (b) time (including certain minimum charges), materials if Services are performed outside of the hours applicable to the Quotation; (c) support Services, including a response by Contractor to a fault report or request for assistance where no problem is found to exist or when the problem reported is one not covered by the Service Quotation or Addendum; and (d) Services for which increased costs are the result of State's failure to materially comply with its obligations herein.

**NOKIA**



**NOKIA**  
**Microwave Products and Services**  
**Price Catalog - January 2018**

**Mobile Networks**

**Customer: State of Michigan**

**Notes:**

- 1) Prices valid until 1/31/2023
- 2) Prices shown for "drop ship" only. Does not include Taxes or any other configurations.
- 3) Prices shown are for FOB origin, Freight Prepaid and Charged.

The 9500 MPR Family				
Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
<b>RACKS - Table K</b>				
694-9000-006	Standard Rack, 7' tall, 19" wide	N	\$ 450.00	\$ 328.50
1AD014120046	14854	N	\$ 1,500.00	\$ 1,095.00
690-1125-003	Rack Extension Kit - 19" rack	N	\$ 230.00	\$ 167.90
3EM13317AB	Power Distribution Panel with Fuse Alarm Card included	N	\$ 455.00	\$ 332.15
3EM13317AC	Power Distribution Panel with Relay Alarm Card included	N	\$ 655.00	\$ 478.15
690-4373-001	Kit AC Outlet	N	\$ 105.00	\$ 76.63
695-1001-006	Aluminum Rack Screw Kit	N	\$ 30.00	\$ 36.50
695-1001-007	Seismic Rack Screw Kit	N	\$ 55.00	\$ 40.15
695-1001-005	Seismic Rack Grounding Kit	N	\$ 150.00	\$ 109.50
694-9004-001	Adjacent Rack Attachment Assy (without rack extensions)	N	\$ 25.00	\$ 18.25
694-9004-002	Adjacent Rack Attachment Assy (with rack extensions)	N	\$ 25.00	\$ 18.25
3EM19148AD	Laptop Shelf Assy	N	\$ 300.00	\$ 219.00
<b>RACKS - Table K1</b>				
695-0905-003	Standard Rack, 7' tall, 23" wide	N	\$ 500.00	\$ 365.00
694-8873-005	Adapters for 23" 2 RU (PDU two required)	N	\$ 30.00	\$ 21.90
<b>CABINETS</b>				
3MU00079AA	9500 MPR Flx16WS 1 MSS	N	\$ 21,000.00	\$ 15,330.00
3MU00079AB	9500 MPR Flx16WS 2 MSS	N	\$ 23,000.00	\$ 16,790.00
3MU00079AC	9500 MPR Flx16WS Empty	N	\$ 17,500.00	\$ 12,775.00
<b>Cabinets - Walk and H-Frame Mounting</b>				
3EM24726AA	Kit, Wall Mount, ATT FTTCs	N	\$ 1,619.24	\$ 1,182.05
3MV00159AB	Kit, Wall Mount, FLX16WS, Battery Base	N	\$ 3,320.66	\$ 2,424.08
3MV00159AC	Kit, Wall Mtg, FTTCs, 90Deg	N	\$ 4,432.05	\$ 3,235.40
<b>Cabinets - Pole Mounting Kits</b>				
3MV00159AD	Kit, Pole Mnt, FTTCs	N	\$ 5,591.92	\$ 4,082.10
3MV00159AE	Kit, Pole Mnt, FTTCs, 90Deg	N	\$ 5,953.50	\$ 4,346.06
3MV00159AF	Kit, Banded, Pole Mnt, FTTCs	N	\$ 5,075.16	\$ 3,704.87
3MV00159AG	Kit, Mounting, 3-1/2 Pole, FLX12WS	N	\$ 2,188.35	\$ 1,597.50
<b>Cabinets - Pad Mount Kits</b>				
3MV00159AH	Kit, ASSY, Plinth, 4" High, FTTCs	N	\$ 2,989.48	\$ 2,182.32
3MV00159AJ	Kit, ASSY, Plinth, 14" High, FTTCs	N	\$ 3,242.15	\$ 2,366.77
3MV00159AK	ASSY, Plate, Anchor, FLX, FTTCs	N	\$ 2,276.70	\$ 1,661.99
1AD165490001	Kit, 1/2-13 hardware, FTTCs, CAB to CAB	N	\$ 166.59	\$ 121.61
<b>Cabinets - MPT-HL Flex-25</b>				
3MU00119AA	9500 MPR FLX25 MPT-HL Cabinet with MSS	N	\$ 54,644.00	\$ 19,671.84
<b>Cabinets - MPT-HL Flex-25 Mounting Option</b>				
3MU00127AA	Flex25 14" Plinth Base	N	\$ 3,879.00	\$ 1,396.44
3MU00128AA	Flex25 Pole Mount Kit	N	\$ 3,884.00	\$ 1,398.24
<b>Cabinets - Eyebolt FRU Kit</b>				
1AD165480001	LIFT BOLTS 1/2 9412	N	\$ 241.80	\$ 176.51
<b>Cabinets - DSI Kits</b>				
1AB405070001	DSI Patch Panel D1M-1C2036	N	\$ 3,300.00	\$ 2,409.00
1AB404960001	DSI Circuit Protection RH33250-000	N	\$ 1,400.00	\$ 1,022.00
<b>MSS SHELF OPTIONS - Table A</b>				
3EM22715AH	9500 MPR Shelf Kit w/FanEvo - HSv2	N	\$ 2,150.00	\$ 774.00
3DB18163AB	MSS Slot Cover - Blank Plate 1/2H	N	\$ 40.60	\$ 14.62
3EM24105AA	Fan Alarm Cable - 25 foot	N	\$ 175.00	\$ 63.00
3EM24105AB	Fan Alarm Cable - 50 foot	N	\$ 250.00	\$ 90.00
3DB05594AA	AUX Cable for Housekeeping	N	\$ 74.00	\$ 26.64
3EM24631AA	AUX Cable for Housekeeping 6'	N	\$ 85.00	\$ 30.60
3EM24631AB	AUX Cable for Housekeeping 30'	N	\$ 215.00	\$ 77.40
<b>MSS SHELF OPTION SPARES - Table A</b>				
3DB18485EA	9500 MSS-8 Shelf HSv3	N	\$ 1,332.00	\$ 479.52
3EM23911BB	MSS Fan Alarm Evo	Y	\$ 400.00	\$ 144.00
3DB18218AD	MSS-4 FAN	Y	\$ 330.00	\$ 118.80
3MU00153AA	MSS Power Supply Cable Kit	N	\$ 121.10	\$ 43.60
3EM24095AB	MPT-HL & HLC Power Cable	N	\$ 216.00	\$ 77.76
3EM24040AA	MPT-HL Air Filter (Spare)	N	\$ 30.00	\$ 10.80
3DB76288AA	MPT-HLC Air Filter Kit (Spare)	N	\$ 175.00	\$ 63.00
3DB80367AA	MPT-HLC Air Filter Assembly (Spare)	Y	\$ 350.00	\$ 126.00

The 9500 MPR Family				
Pact No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
<b>MSS1 - Table A1</b>				
3DB19015BA	MSS1 Spare ONLY	Y	\$ 3,200.00	\$ 1,152.00
3DB19015CA	MSS1 (1588 BC+ QMA Power) Spare ONLY	Y	\$ 3,200.00	\$ 1,152.00
3MU00109AB	MSS1 Kit	Y	\$ 3,250.00	\$ 1,170.00
1AC007800068	cable to power MSS-1c (2 conductors, 1mm sq) GLP is per foot	N	\$ 0.77	\$ 0.56
<b>MSS-O - Table A1</b>				
3DB19159AA	MSS-O AC Kit, include Pole/Wall Mounting	Y	\$ 3,375.00	\$ 1,215.00
3DB19281AA	MSS-O DC Kit, include Pole/Wall Mounting	Y	\$ 3,375.00	\$ 1,215.00
3DB19158AA	Pole/wall IM for MSS-O, Spare ONLY	N	\$ 275.00	\$ 99.00
1AB150990012	RFE protection connector MSS-O	Y	\$ 40.00	\$ 14.40
1AB150990013	fiber extension tube for MSS-O	N	\$ 187.00	\$ 67.32
1AC052600002	Outdoor AC Power Cable (meter)	N	\$ 7.25	\$ 2.61
1AC057660001	Outdoor DC Power Cable (meter)	N	\$ 12.00	\$ 4.32
3CC50271AA	Triple Grounding Kit	N	\$ 324.00	\$ 116.64
3CC52210AA	MM Fiber, LC/LC for MSS-O, 5m	N	\$ 135.00	\$ 48.60
3CC52210AB	MM Fiber, LC/LC for MSS-O, 10m	N	\$ 157.00	\$ 56.52
3CC52210AC	MM Fiber, LC/LC for MSS-O, 25m	N	\$ 245.00	\$ 88.20
<b>MSS SHELF OPTIONS - Table A</b>				
3DB18326AC	Core Enhanced Module w 6 GbE ports (CORE-E) - TH/Clei	Y	\$ 2,807.00	\$ 1,010.52
3DB18788BA	CorEvo-10G	Y	\$ 3,010.00	\$ 1,065.20
3DB18126AE	32xT1 TDM Module - TH/Clei	Y	\$ 2,030.00	\$ 730.80
3DB18194AC	2xDS3 TDM Module	Y	\$ 2,075.00	\$ 747.00
3DB18634AB	MPT-Access with PoE	Y	\$ 1,754.00	\$ 631.44
3DB18236AB	AUX Housekeeping	Y	\$ 950.00	\$ 342.00
3DB18735AA	2xOC3 Module	Y	\$ 1,879.00	\$ 676.44
3DB19017AB	Ethernet Access Module Version2 with PoE	Y	\$ 2,400.00	\$ 864.00
3DB78017AA	Sync In/Out SFP for MSS-1/CorEvo-10G	Y	\$ 1,200.00	\$ 432.00
3DB78022AA	1588 ToD SFP	Y	\$ 1,000.00	\$ 360.00
3DB19414AA	MSS-8 Anti Tamper Kit	Y	\$ 350.00	\$ 126.00
<b>Optical Coupler for CoreE Protection</b>				
3EM09257AA	Fiber Management Panel	N	\$ 150.00	\$ 109.50
1AB432200001	Splitter/Combiner unit for 2x4 Management Panel (LC)	N	\$ 1,200.00	\$ 876.00
1AB123320023	Splitter/Combiner unit for 2x4 Management Panel (SC)	N	\$ 1,000.00	\$ 730.00
<b>DC Power Injector for MPT-HC</b>				
3CC50129AA	DC injector Box	Y	\$ 250.00	\$ 90.00
3CC50120AA	DC injector plug-in	Y	\$ 250.00	\$ 90.00
3CC50173AA	MPT Power Unit	Y	\$ 377.50	\$ 315.90
3CC50174AA	MPT Extended Power Unit	Y	\$ 1,252.25	\$ 450.81
<b>DC/DC Power Converter - MSS Version</b>				
3DB18862AA	+24 /-48 Vdc Two converters with chassis (Requires 1 MSS Slot)	N	\$ 2,790.00	\$ 1,004.40
3DB18863AA	+24 /-48 Vdc Single converter with chassis (Requires 1 MSS Slot)	N	\$ 1,371.00	\$ 493.56
<b>MPT-HL Shelf Kit - Table Y</b>				
3EM24238AA	MPT-HL Shelf Kit Single T-R	N	\$ 1,730.00	\$ 622.80
3EM24238AB	MPT-HL Shelf Kit Dual T-R	N	\$ 1,790.00	\$ 644.40
<b>MPT-HLC MODULES - Table F1</b>				
3DB19060AA	MPT-HLC XCVR L6 GHZ	Y	\$ 12,000.00	\$ 4,320.00
3DB19060BA	MPT-HLC XCVR L6 GHZ WITH COMBINER	Y	\$ 15,000.00	\$ 5,400.00
3DB19060CA	MPT-HLC XCVR L6 GHZ HP	Y	\$ 16,500.00	\$ 5,940.00
3DB19060DA	MPT-HLC XCVR L6 GHZ HP WITH COMBINER	Y	\$ 19,500.00	\$ 7,020.00
3DB19060EA	MPT-HLC Plus XCVR L6	Y	\$ 21,000.00	\$ 7,560.00
3DB19060FA	MPT-HLC Plus XCVR L6 WITH COMBINER	Y	\$ 24,000.00	\$ 8,640.00
3DB76047AA	MPT-HLC XCVR U6 GHZ	Y	\$ 12,000.00	\$ 4,320.00
3DB76047BA	MPT-HLC XCVR U6 GHZ WITH COMBINER	Y	\$ 15,000.00	\$ 5,400.00
3DB76047CA	MPT-HLC XCVR U6 GHZ HP	Y	\$ 16,500.00	\$ 5,940.00
3DB76047DA	MPT-HLC XCVR U6 GHZ HP WITH COMBINER	Y	\$ 19,500.00	\$ 7,020.00
3DB76047EA	MPT-HLC Plus XCVR U6	Y	\$ 21,000.00	\$ 7,560.00
3DB76047FA	MPT-HLC Plus XCVR U6 WITH COMBINER	Y	\$ 24,000.00	\$ 8,640.00
3DB76078AA	MPT-HLC XCVR 10.5 GHZ	Y	\$ 13,000.00	\$ 4,680.00
3DB76078BA	MPT-HLC XCVR 10.5 GHZ WITH COMBINER	Y	\$ 16,000.00	\$ 5,760.00
3DB76050AA	MPT-HLC XCVR 11 GHZ	Y	\$ 13,000.00	\$ 4,680.00
3DB76050BA	MPT-HLC XCVR 11 GHZ WITH COMBINER	Y	\$ 16,000.00	\$ 5,760.00
3DB76050CA	MPT-HLC XCVR 11 GHZ HP TX LOW	Y	\$ 17,500.00	\$ 6,300.00
3DB76050DA	MPT-HLC XCVR 11 GHZ HP W/COMBINER TX LO	Y	\$ 20,500.00	\$ 7,380.00
3DB76050EA	MPT-HLC XCVR 11 GHZ HP TX HIGH	Y	\$ 17,500.00	\$ 6,300.00
3DB76050FA	MPT-HLC XCVR 11 GHZ HP W/COMBINER TX HI	Y	\$ 20,500.00	\$ 7,380.00
3DB76050GA	MPT-HLC Plus XCVR 11GHz	Y	\$ 22,000.00	\$ 7,920.00
3DB76050HA	MPT-HLC Plus XCVR 11GHz WITH COMBINER	Y	\$ 25,000.00	\$ 9,000.00

The 9500 MPR Family				
Part No.	Description	Spare	MSPCS MSRP	MSPCS Unit Price
3CC50210AA	MPT-HLC Antenna Alignment Cable	N	\$ 55.00	\$ 19.80
	<b>MPT-HLC XPIC Cables</b>			
3CC52204AA	XPIC cable RJ45-RJ45, 3 m	N	\$ 150.00	\$ 109.50
3CC52204AB	XPIC cable RJ45-RJ45, 5 m	N	\$ 220.00	\$ 160.60
3CC52204AC	XPIC cable RJ45-RJ45, 10 m	N	\$ 300.00	\$ 219.00
3CC52204AD	XPIC cable RJ45-RJ45, 0.5 m	N	\$ 75.00	\$ 54.75
3CC52204AE	XPIC cable RJ45-RJ45, 1 m	N	\$ 100.00	\$ 73.00
	<b>MPT-HLC Transmit Monitor Port Kit</b>			
3EM24447AA	6 GHz Transmit Monitor Port Kit	Y	\$ 2,000.00	\$ 1,460.00
3EM24447AB	11 GHz Transmit Monitor Port Kit	Y	\$ 2,500.00	\$ 1,825.00
	<b>Diplexer Bracket Kits - Table E2</b>			
3EM23465AA	6/11 GHz Hot Standby 1:10 Coupler Diplexer Bracket	N	\$ 1,229.00	\$ 442.44
3EM23465AB	6/11 GHz Hot Standby Space Diversity Diplexer Bracket	N	\$ 1,250.00	\$ 450.00
3EM23465AC	6/11 GHz 1+0 (Non-Standby) Diplexer Bracket	N	\$ 262.00	\$ 94.32
3EM23465AD	6/11 GHz Single Shelf Repeater Diplexer Bracket	N	\$ 451.00	\$ 162.36
3EM23465AE	1+1 HSB, SD w/ Combiner	N	\$ 1,425.00	\$ 513.00
3EM23465AF	2x(1+0), SD w/ Combiner	N	\$ 825.00	\$ 297.00
3EM23465AG	1+0, SD w/ Combiner	N	\$ 400.00	\$ 144.00
3EM23465AH	Expansion to 2x(1+0), SD w/ Combiner	N	\$ 345.00	\$ 124.20
3MU00117AA	UU6 GHz, HSB, 1:10 Coupler Diplexer Bracket Kit	N	\$ 5,450.00	\$ 1,962.00
3MU00117AB	UU6 GHz, 1+0 (Non-Stby) Diplexer Bracket Kit	N	\$ 4,375.00	\$ 1,575.00
3MU00117AC	UU6 GHz, HSB, HSB w/ SD Diplexer Bracket Kit	N	\$ 7,785.00	\$ 2,802.60
3MU00117AD	UU6 GHz, HSB, Single Shelf Repeater Diplexer Bracket Kit	N	\$ 8,335.00	\$ 3,000.60
3DB76236AA	BRANCHING COMPACT 4GHZ 1+1 HSB1:10 COUP	N	\$ 3,200.00	\$ 1,152.00
3DB76237AA	BRANCHING COMP. 4GHZ 1+1 HSB SD RPS	N	\$ 3,775.00	\$ 1,359.00
3DB76232AA	BRANCHING COMPACT 4GHZ 1 0	N	\$ 1,800.00	\$ 648.00
3DB76234AA	BRANCHING COMPACT 4GHZ 2x (1+0)	N	\$ 3,650.00	\$ 1,314.00
3DB76238AA	BRANCHING COMP. 4GHZ1X(1+1 HSB SD COMBI	N	\$ 5,575.00	\$ 2,007.00
3DB76235AA	BRANCHING COMPACT 4GHZ 2x (1+0) SD	N	\$ 5,850.00	\$ 2,106.00
3DB76233AA	BRANCHING COMPACT 4GHZ 1+0 SD	N	\$ 2,925.00	\$ 1,053.00
	<b>Diplexer Clamp and Isolator Kits - Lower 6GHz - Table F3</b>			
3EM23466AA	L6 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 547.00	\$ 196.92
3EM23466AB	L6 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 500.00	\$ 180.00
3EM23466AC	L6 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 264.00	\$ 95.04
3EM23466AD	L6 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 636.00	\$ 228.96
3EM23466AN	L6 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,025.00	\$ 369.00
3EM23466AP	L6 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,145.00	\$ 412.20
3EM23466AQ	L6 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 535.00	\$ 192.60
3EM23466AR	L6 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 575.00	\$ 207.00
	<b>Dplxr Clamp, Isoltr &amp; Cable Kits - L6GHz 60 MHz Channels - Table F3</b>			
3DB76116AA	L6 GHz, 60 MHz Hot Standby 1:10 Coupler	N	\$ 2,275.00	\$ 819.00
3DB76119AA	L6 GHz, 60 MHz Hot Standby Space Diversity	N	\$ 1,650.00	\$ 594.00
3DB76117AA	L6 GHz, 60 MHz 1+0 (Non-Standby)	N	\$ 750.00	\$ 270.00
3DB76120AA	L6 GHz, 60 MHz Single Shelf Repeater	N	\$ 1,125.00	\$ 405.00
3DB76115AA	L6 GHz, 60 MHz 1+1 HSB, SD w/ Combiner	N	\$ 7,500.00	\$ 2,700.00
3DB76121AA	L6 GHz, 60 MHz 2x(1+0), SD w/ Combiner	N	\$ 1,225.00	\$ 441.00
3DB76118AA	L6 GHz, 60 MHz 1+0, SD w/ Combiner	N	\$ 750.00	\$ 270.00
	<b>Diplexer Clamp and Isolator Kits - Upper 6GHz - Table F3</b>			
3EM23466AE	U6 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 564.00	\$ 203.04
3EM23466AF	U6 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 514.00	\$ 185.04
3EM23466AG	U6 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 273.00	\$ 98.28
3EM23466AH	U6 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 653.00	\$ 235.08
3EM23466AS	U6 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 4,625.00	\$ 1,665.00
3EM23466AT	U6 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,335.00	\$ 480.60
3EM23466AU	U6 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 675.00	\$ 243.00
3EM23466AV	U6 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 665.00	\$ 239.40
	<b>Diplexer Clamp and Isolator Kits - Upper 5.8GHz - Table F3</b>			
3EM23466AJ	5.8 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 1,355.00	\$ 487.80
3EM23466AK	5.8 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 485.00	\$ 174.60
3EM23466AL	5.8 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 253.00	\$ 91.08
3EM23466AM	5.8 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 505.00	\$ 181.80
3EM23466AW	5.8 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 3,875.00	\$ 1,395.00
3EM23466AY	5.8 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 785.00	\$ 282.60
3EM23466AZ	5.8 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 370.00	\$ 133.20
3EM23466BA	5.8 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 395.00	\$ 142.20
	<b>Diplexer Clamp and Isolator Kits - 10.5 GHz - Table F3</b>			

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Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
3EM24188CA	10.5 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 620.00	\$ 223.20
3EM24188CB	10.5 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 565.00	\$ 203.40
3EM24188CC	10.5 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 300.00	\$ 108.00
3EM24188CD	10.5 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 718.00	\$ 258.48
3EM24188CE	10.5 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,215.00	\$ 437.40
3EM24188CF	10.5 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,295.00	\$ 466.20
3EM24188CG	10.5 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 650.00	\$ 234.00
3EM24188CH	10.5 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 650.00	\$ 234.00
3EM24188CJ	10.5 GHz Diplexer Clamp Kit Antenna Prot9500 MPR	N	\$ 1,055.00	\$ 234.00
<b>Diplexer Clamp and Isolator Kits - 11 GHz - Table E3</b>				
3EM24188BA	11 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 620.00	\$ 223.20
3EM24188BB	11 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 565.00	\$ 203.40
3EM24188BC	11 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 300.00	\$ 108.00
3EM24188BD	11 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 718.00	\$ 258.48
3EM24188BE	11 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 2,295.00	\$ 826.20
3EM24188BF	11 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,295.00	\$ 466.20
3EM24188BG	11 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 605.00	\$ 217.80
3EM24188BH	11 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 650.00	\$ 234.00
3EM24188BJ	11 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 955.00	\$ 343.80
<b>RF Diplexer Filters - Table G</b>				
3EM24458AA	RF Diplexer Filter Xmt 5725-5755, Rev 5790-5820, 30MHz	N	\$ 1,000.00	\$ 360.00
3EM24458AB	RF Diplexer Filter Xmt 5755-5785, Rev 5820-5850, 30MHz	N	\$ 1,000.00	\$ 360.00
3EM24458AC	RF Diplexer Filter Xmt 5725-5755, Rev 5820-5850, 30MHz	N	\$ 1,000.00	\$ 360.00
3EM24458AD	RF Diplexer Filter Xmt 5725-5755, Rev 5820-5850, 30MHz	N	\$ 1,000.00	\$ 360.00
3EM16710AB	RF Diplexer Filter Xmt 5925-6175, Rev 6175-6425, 10 MHz BW	N	\$ 1,500.00	\$ 540.00
3EM16710AC	RF Diplexer Filter Xmt 6175-6425, Rev 5925-6175, 10 MHz BW	N	\$ 1,500.00	\$ 540.00
3EM24335AA	RF Diplexer Filter 5925-6425, 30MHz, Symmetrical	N	\$ 1,500.00	\$ 540.00
3DB76188AA	RF Diplexer Filter Xmt 5925-6175, Rev 6175-6425, 60 MHz BW	N	\$ 2,000.00	\$ 720.00
3DB76189AA	RF Diplexer Filter Xmt 6175-6425, Rev 5925-6175, 60 MHz BW	N	\$ 2,000.00	\$ 720.00
3EM09730AA	RF Diplexer Filter Xmt 6525-6875, Rev 6525-6875, 10 MHz BW	N	\$ 800.00	\$ 288.00
3EM24333AA	RF Diplexer Filter Xmt 6525-6875, 30MHz, Symmetrical	N	\$ 1,500.00	\$ 540.00
967-1585-002	RF Diplexer Filter Xmt 6440-6750, Rev 6440-6750, 10 MHz BW	N	\$ 1,200.00	\$ 432.00
967-1585-003	RF Diplexer Filter Xmt 6440-6750, Rev 6750-7080, 10 MHz BW	N	\$ 1,200.00	\$ 432.00
967-1585-004	RF Diplexer Filter Xmt 6750-7080, Rev 6440-6750, 10 MHz BW	N	\$ 1,200.00	\$ 432.00
967-1585-005	RF Diplexer Filter Xmt 6750-7080, Rev 6750-7080, 10 MHz BW	N	\$ 1,500.00	\$ 540.00
3EM04024AC	RF Diplexer Filter Xmt 6440-6580, Rev 6740-6920, 30MHz	N	\$ 850.00	\$ 306.00
3EM04024AD	RF Diplexer Filter Xmt 6581-6740, Rev 6921-7080, 30MHz	N	\$ 1,500.00	\$ 540.00
3EM04024AE	RF Diplexer Filter Xmt 6740-6920, Rev 6440-6580, 30MHz	N	\$ 850.00	\$ 306.00
3EM04024AF	RF Diplexer Filter Xmt 6921-7080, Rev 6581-6740, 30MHz	N	\$ 850.00	\$ 306.00
3EM24078AA	RF Diplexer Filter 10550-10680, 10 MHz BW, Symmetrical	N	\$ 1,500.00	\$ 540.00
3EM24081AA	RF Diplexer Filter 10700-11700, 30 MHz, Symmetrical	N	\$ 1,500.00	\$ 540.00
<b>RF Space Filters - Table G1</b>				
3EM11649AA	RF Diplexer Space Diversity Filter 5725-5755/30MHz	N	\$ 1,500.00	\$ 540.00
3EM11649AB	RF Diplexer Space Diversity Filter 5755-5785/30MHz	N	\$ 1,500.00	\$ 540.00
3EM11649AC	RF Diplexer Space Diversity Filter 5790-5820/30MHz	N	\$ 1,500.00	\$ 540.00
3EM11649AD	RF Diplexer Space Diversity Filter 5820-5850/30MHz	N	\$ 1,500.00	\$ 540.00
967-0506-002	RF Diplexer Space Diversity Filter 5925-6175 /10MHz BW	N	\$ 1,500.00	\$ 540.00
967-0506-003	RF Diplexer Space Diversity Filter 6175-6425 /10MHz BW	N	\$ 1,500.00	\$ 540.00
3EM04182AA	RF Diplexer Space Diversity Filter 5925-6050/30MHz	N	\$ 1,500.00	\$ 540.00
3EM04182AB	RF Diplexer Space Diversity Filter 6050-6175/30MHz	N	\$ 1,500.00	\$ 540.00
3EM04182AC	RF Diplexer Space Diversity Filter 6175-6300/30MHz	N	\$ 1,500.00	\$ 540.00
3EM04182AD	RF Diplexer Space Diversity Filter 6300-6425/30MHz	N	\$ 1,500.00	\$ 540.00
3DB76190AA	RF Diplexer Space Diversity Filter 5925-6175 /60MHz BW	N	\$ 725.00	\$ 261.00
3DB76191AA	RF Diplexer Space Diversity Filter 6175-6425 /60MHz BW	N	\$ 725.00	\$ 261.00
3DB76113AA	RF Diplexer Space Diversity Filter 5925-6175 /60MHz BW	N	\$ 725.00	\$ 261.00
3DB76114AA	RF Diplexer Space Diversity Filter 6175-6425 /60MHz BW	N	\$ 700.00	\$ 252.00
3EM19463AA	RF Diplexer Space Diversity Filter 6525-6875 / 10MHz BW	N	\$ 1,000.00	\$ 360.00
3EM04235AA	RF Diplexer Space Diversity Filter 6525-6710/30MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AB	RF Diplexer Space Diversity Filter 6710-6875/30MHz	N	\$ 1,750.00	\$ 630.00
967-0506-004	RF Diplexer Space Diversity Filter 6440-6750/10MHz	N	\$ 1,000.00	\$ 360.00
967-0506-005	RF Diplexer Space Diversity Filter 67500-7080/10MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AC	RF Diplexer Space Diversity Filter 6440-6580/30MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AD	RF Diplexer Space Diversity Filter 6580-6740/30MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AE	RF Diplexer Space Diversity Filter 6740-6920/30MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AF	RF Diplexer Space Diversity Filter 6920-7080/30MHz	N	\$ 1,400.00	\$ 504.00
3EM24614AA	RF Diplexer Space Diversity Filter 10550-10680 / 10 MHz	N	\$ 875.00	\$ 315.00
3EM24310AA	RF Diplexer Space Diversity Filter 10700-11200 / 30 MHz	N	\$ 875.00	\$ 315.00
3EM24310AB	RF Diplexer Space Diversity Filter 11200-11700 / 30 MHz	N	\$ 875.00	\$ 315.00
<b>Waveguide Transition Kits - Table G2</b>				
3EM23511AA	Diplexer Transition Assy A2 (6GHz) Position Kit	N	\$ 500.00	\$ 180.00
3EM23511AB	Diplexer Transition Assy A3 (6GHz) Position Kit	N	\$ 300.00	\$ 108.00
3EM23511AC	Diplexer Transition Assy A4 (6GHz) Position Kit	N	\$ 663.00	\$ 238.68

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Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
3EM23511AD	Diplexer Transition Assy A5 (6Ghz) Position Kit	N	\$ 541.00	\$ 194.76
3EM23511AE	Flat Bracket Kit	N	\$ 116.00	\$ 41.76
3EM23511AF	Diplexer Transition Assy A2 (11 Ghz) Position Kit	N	\$ 530.00	\$ 198.00
3EM23511AG	Diplexer Transition Assy A3 (11 Ghz) Position Kit	N	\$ 350.00	\$ 126.00
3EM23511AH	Diplexer Transition Assy A4 (11 Ghz) Position Kit	N	\$ 725.00	\$ 261.00
3EM23511AJ	Diplexer Transition Assy A5 (11 Ghz) Position Kit	N	\$ 600.00	\$ 216.00
3EM23511AP	6 GHz Trans Kit A3' Transition Kit A3'	N	\$ 600.00	\$ 216.00
3EM23511AQ	6 GHz Trans Kit A3' FD Transition Kit A3' FD	N	\$ 132.96	\$ 47.87
3EM23511AR	6 GHz Trans Kit A4' Transition Kit A4'	N	\$ 116.58	\$ 41.97
3EM23511AS	6 GHz Trans Kit A4' FD Transition Kit A4' FD	N	\$ 132.96	\$ 47.87
3EM23511AT	11 GHz Trans Kit A3' Transition Kit A3'	N	\$ 116.58	\$ 41.97
3EM23511AU	11 GHz Trans Kit A3' FD Transition Kit A3' FD	N	\$ 178.29	\$ 64.18
3EM23511AV	11 GHz Trans Kit A4' Transition Kit A4'	N	\$ 161.91	\$ 58.29
3EM23511AW	11 GHz Trans Kit A4' FD Transition Kit A4' FD	N	\$ 178.29	\$ 64.18
<b>Waveguide Transition Kits - Table G3 (note 1007)</b>				
		N	\$ 50.00	\$ 18.00
1AB077940016	Diplexer to Transition Cable Assy 228.6mm 155-0560-209	N	\$ 55.00	\$ 19.80
1AB077940017	Diplexer to Transition Cable Assy 304.8mm 155-0560-212	N	\$ 75.00	\$ 27.00
1AB077940018	Diplexer to Transition Cable Assy 381mm 155-0560-215	N		
<b>Stacking Filter-Waveguide Kits - Lower 6 GHz - Table H1</b>				
3EM24123DA	Stacking Filter L6 GHz Hot Standby W/G Kit 1st MPT	N	\$ 2,372.00	\$ 853.92
3EM24123DB	Stacking Filter L6 GHz Hot Standby W/G Kit 1st & 2nd MPT	N	\$ 3,124.00	\$ 1,124.64
3EM24123DC	Stacking Filter L6 GHz Hot Sby W/G Kit 3rd MPT	N	\$ 2,369.00	\$ 852.84
3EM24123DD	Stacking Filter L6 GHz Hot Sby W/G Kit 3rd & 4th MPT	N	\$ 3,084.00	\$ 1,110.24
3EM24123DE	Stacking Filter L6 GHz Hot Sby W/G Kit Add-On 3rd MPT	N	\$ 1,575.00	\$ 567.00
3EM24123DF	Stacking Filter L6 GHz Hot Sby W/G Kit Add-On 3rd & 4th MPT	N	\$ 1,725.00	\$ 621.00
3EM24123DG	Stacking Filter L6 GHz Hot Sby W/G Kit Add-On 2nd or 4th MPT	N	\$ 625.00	\$ 225.00



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Part No	Description	Space	MPCS MSRP	MPCS Unit Price
<b>Stacking Filter Waveguide Kits - Upper 6 GHz - Table II</b>				
3EM24123EA	Stacking Filter U6 GHz Hot Standby W/G Kit 1st MPT	N	\$ 2,372.00	\$ 853.92
3EM24123EB	Stacking Filter U6 GHz Hot Standby W/G Kit 1st & 2nd MPT	N	\$ 3,124.00	\$ 1,124.64
3EM24123EC	Stacking Filter U6 GHz Hot Sby W/G Kit 3rd MPT	N	\$ 2,369.00	\$ 852.84
3EM24123ED	Stacking Filter U6 GHz Hot Sby W/G Kit 3rd & 4th MPT	N	\$ 3,084.00	\$ 1,110.24
3EM24123EE	Stacking Filter U6 GHz Hot Sby W/G Kit Add-On 3rd MPT	N	\$ 1,600.00	\$ 576.00
3EM24123EF	Stacking Filter U6 GHz Hot Sby W/G Kit Add-On 3rd & 4th MPT	N	\$ 1,800.00	\$ 648.00
3EM24123EG	Stacking Filter U6 GHz Hot Sby W/G Kit Add-On 2nd or 4th MPT	N	\$ 675.00	\$ 243.00
<b>Stacking Filter Waveguide Kits - 6 GHz - Table II</b>				
3EM24123AB	Stacking Filter 6 GHz Add-on Space Kit 1st MPT (HSB)	N	\$ 2,045.00	\$ 736.20
3EM24123AF	Stacking Filter 6 GHz Add-on Space Kit 1st & 2nd MPT (HSB)	N	\$ 2,540.00	\$ 914.40
3EM24123BF	Stacking Filter 6 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 1,450.00	\$ 522.00
3EM24123BG	Stacking Filter 6 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 1,350.00	\$ 558.00
3EM24123AG	Stacking Filter 6 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 2,257.00	\$ 812.52
3EM24123AH	Stacking Filter 6 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 2,397.00	\$ 934.92
3EM24123BR	Stacking Filter 6 GHz Add-on Space Kit 2nd or 4th MPT (HSB)	N	\$ 600.00	\$ 216.00
3EM24123AJ	Stacking Filter Initial Bracket Kit	N	\$ 145.00	\$ 52.20
3EM24123AK	Stacking Filter Flat Bracket Kit	N	\$ 65.00	\$ 23.40
3EM24123AW	Stacking Filter Stacker Bracket Kit	N	\$ 165.00	\$ 59.40
3EM24123AL	Stacking Filter Add-on Xmt & Rev Circulators	N	\$ 963.00	\$ 346.68
3EM24123AY	Stacking Filter 6 GHz Freq Div W/G Kit 1st MPT 1x(1+0)	N	\$ 7,025.00	\$ 2,529.00
3EM24123AM	Stacking Filter 6 GHz Freq Div W/G Kit 1st MPT 2x(1-0)	N	\$ 5,470.00	\$ 1,969.20
3EM24123AZ	Stacking Filter 6 GHz Freq Div W/G Kit 1st & 2nd MPT 3x(1+0)	N	\$ 7,750.00	\$ 2,790.00
3EM24123AN	Stacking Filter 6 GHz Freq Div W/G Kit 1st & 2nd MPT 4x(1+0)	N	\$ 6,354.00	\$ 2,287.44
3EM24123BA	Stacking Filter 6 GHz Freq Div W/G Kit 3rd MPT 2nd dir 1x(1+0)	N	\$ 7,250.00	\$ 2,610.00
3EM24123BA	Stacking Filter 6 GHz Freq Div W/G Kit 3rd MPT 2nd dir 2x(1+0)	N	\$ 5,723.00	\$ 2,060.28
3EM24123AP	Stacking Filter 6 GHz Freq Div W/G Kit 3rd MPT 2nd dir 2x(1+0)	N	\$ 7,975.00	\$ 2,871.00
3EM24123BB	Stacking Filter 6 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 3x(1+0)	N	\$ 6,947.00	\$ 2,500.92
3EM24123AQ	Stacking Filter 6 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 4x(1+0)	N	\$ 4,875.00	\$ 1,755.00
3EM24123BV	Stacking Filter 6 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 2x(1+0)	N	\$ 4,700.00	\$ 1,692.00
3EM24123BU	Stacking Filter 6 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 1x(1+0)	N	\$ 1,650.00	\$ 594.00
3EM24123BC	Stackg Fitr 6 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 3x(1+0)	N	\$ 1,625.00	\$ 585.00
3EM24123BD	Stackg Fitr 6 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 4x(1+0)	N	\$ 825.00	\$ 297.00
3EM24123BE	Stacking Filter 6 GHz Freq Div W/G Kit Add-On Kit Grow 2nd or 4th MPT	N	\$ 2,950.00	\$ 1,062.00
3EM24123BH	1st MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,900.00	\$ 1,044.00
3EM24123BJ	1st MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,850.00	\$ 1,026.00
3EM24123BK	1st & 2nd MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 2,825.00	\$ 1,017.00
3EM24123BL	1st & 2nd MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 2,350.00	\$ 846.00
3EM24123BM	3rd MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,325.00	\$ 837.00
3EM24123BN	3rd MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,750.00	\$ 990.00
3EM24123BP	3rd & 4th MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 2,725.00	\$ 981.00
3EM24123BQ	3rd & 4th MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 425.00	\$ 153.00
3EM24123BS	Field Add-On 2nd MPT to 1x(1+0) Kit or 4th MPT to 3x(1+0) (SD FD)	N	\$ 875.00	\$ 315.00
3EM24123BT	Field Add-On 3rd MPT to 2x(1+0) Kit (SD FD)	N		
<b>Waveguide Extension Kits - Table I</b>				
3EM24123AR	6 GHz W/G Extension Kit Xmt/Rev A8-A11	N	\$ 2,250.00	\$ 810.00
3EM24123AS	6 GHz W/G Extension Kit Space Div A8-A11 (MPT-HL)	N	\$ 1,850.00	\$ 666.00
3EM24123AV	6 GHz W/G Extension Kit Space Div A8-A11 (MPT-HLC)	N	\$ 2,885.00	\$ 1,038.60
3EM24123AU	6 GHz W/G Extension A8 to Top (Xmt/Rev or Space Div)	N	\$ 1,050.00	\$ 378.00
3EM24123AT	6 GHz W/G Extension A3 to A8, A5 to A10 (Xmt/Rev or Space Div)	N	\$ 600.00	\$ 216.00
3EM17592AA	Bracket, WG Support (1 hole)	N	\$ 50.00	\$ 18.00
3EM17592AB	Bracket, WG Support (2 hole)	N	\$ 56.00	\$ 20.16
3EM23867AC	Bracket, WG Support (2 hole)	N	\$ 110.00	\$ 39.60
<b>Stacking Filter Waveguide Kits - 11 GHz - Table II</b>				
3EM24166AA	Stacking Filter WG Initial Comb Assy 11 GHz 1st MPT HSB	N	\$ 2,609.00	\$ 939.24
3EM24166AB	Stacking Filter WG Initial Comb Assy 11 GHz 1st & 2nd MPT HSB	N	\$ 3,436.00	\$ 1,236.96
3EM24166AC	Stacking Filter WG Add-on Assy 11 GHz 3rd MPT HSB	N	\$ 2,605.00	\$ 937.80
3EM24166AD	Stacking Filter WG Add-on Assy 11 GHz 3rd & 4th MPT HSB	N	\$ 3,392.00	\$ 1,221.12
3EM24166DE	Stacking Filter 11 GHz Hot Sby W/G Kit Add-On 3rd MPT	N	\$ 2,290.00	\$ 824.40
3EM24166DF	Stacking Filter 11 GHz Hot Sby W/G Kit Add-On 3rd & 4th MPT	N	\$ 2,915.00	\$ 1,049.40
3EM24166DG	Stacking Filter 11 GHz Hot Sby W/G Kit Add-On 2nd or 4th MPT	N	\$ 875.00	\$ 315.00
3EM24166AE	Stacking Filter WG Add SD Assy 11 GHz 1st MPT (HSB)	N	\$ 2,249.00	\$ 809.64
3EM24166AF	Stacking Filter WG Add SD Assy 11 GHz 1st & 2nd MPT (HSB)	N	\$ 2,794.00	\$ 1,005.84
3EM24166BF	Stacking Filter 11 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 1,395.00	\$ 502.20
3EM24166BG	Stacking Filter 11 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 1,995.00	\$ 718.20
3EM24166AG	Stacking Filter WG Add SD Assy 11 GHz 3rd MPT (HSB)	N	\$ 2,482.00	\$ 893.52
3EM24166AH	Stacking Filter WG Add SD Assy 11 GHz 3rd & 4th MPT (HSB)	N	\$ 2,856.00	\$ 1,028.16
3EM24166BR	Stacking Filter 11 GHz Add-on Space Kit 2nd or 4th MPT (HSB)	N	\$ 950.00	\$ 342.00
3EM24166AJ	Stacking Filter Initial Bracket Kit	N	\$ 159.00	\$ 57.24
3EM24123AK	Stacking Filter Flat Bracket Kit	N	\$ 65.00	\$ 23.40
3EM24123AW	Stacking Filter Stacker Bracket Kit	N	\$ 165.00	\$ 59.40
3EM24166AK	Stacking Filter Add-on XMT & RCV Circulators	N	\$ 1,059.00	\$ 381.24
3EM24166AY	Stacking Filter 11 GHz Freq Div W/G Kit 1st MPT 1x(1+0)	N	\$ 5,450.00	\$ 1,962.00



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Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
3EM24166AL	Stacking Filter 11 GHz Freq Div W/G Kit 1st MPT 2x(1+0)	N	\$ 6,017.00	\$ 2,166.12
3EM24166AZ	Stacking Filter 11 GHz Freq Div W/G Kit 1st & 2nd MPT 3x(1+0)	N	\$ 7,250.00	\$ 2,610.00
3EM24166AM	Stacking Filter 11 GHz Freq Div W/G Kit 1st & 2nd MPT 4x(1+0)	N	\$ 6,989.00	\$ 2,516.04
3EM24166BA	Stacking Filter 11 GHz Freq Div W/G Kit 3rd MPT 2nd dir 1x(1+0)	N	\$ 6,150.00	\$ 2,214.00
3EM24166AN	Stacking Filter 11 GHz Freq Div W/G Kit 3rd MPT 2x(1+0)	N	\$ 6,295.00	\$ 2,266.20
3EM24166BB	Stacking Filter 11 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 3x(1+0)	N	\$ 7,850.00	\$ 2,826.00
3EM24166BV	Stacking Filter 11 GHz Freq Div W/G Kit 3rd & 4th MPT 2x(1+0)	N	\$ 7,641.00	\$ 2,750.76
3EM24166AP	Stacking Filter 11 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 2x(1+0)	N	\$ 5,500.00	\$ 1,980.00
3EM24166BV	Stacking Filter 11 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 2x(1+0)	N	\$ 4,700.00	\$ 1,692.00
3EM24166BU	Stacking Filter 11 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 1x(1+0)	N	\$ 1,825.00	\$ 657.00
3EM24166BC	Stack Fltr 11 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 3x(1+0)	N	\$ 1,775.00	\$ 639.00
3EM24166BD	Stack Fltr 11 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 4x(1+0)	N	\$ 1,425.00	\$ 513.00
3EM24166BE	Stacking Filter 11 GHz Freq Div W/G Kit Add-On Kit Grow 2nd MPT	N	\$ 1,275.00	\$ 459.00
3EM24166BW	Stacking Filter 11 GHz Freq Div W/G Kit Add-On Kit Grow 4th MPT	N	\$ 2,145.00	\$ 772.20
3EM24166BH	1st MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,550.00	\$ 918.00
3EM24166BJ	1st MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 3,090.00	\$ 1,080.00
3EM24166BK	1st & 2nd MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 3,200.00	\$ 1,152.00
3EM24166BL	1st & 2nd MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 1,975.00	\$ 711.00
3EM24166BM	3rd MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,375.00	\$ 855.00
3EM24166BN	3rd MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,850.00	\$ 1,026.00
3EM24166BP	3rd & 4th MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 3,000.00	\$ 1,080.00
3EM24166BQ	3rd & 4th MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 725.00	\$ 261.00
3EM24166BS	Field Add-On 2nd MPT to 1x(1+0) Kit (SD FD)	N	\$ 635.00	\$ 228.60
3EM24166BY	Field Add-On 4th MPT to 3x(1+0) Kit (SD FD)	N	\$ 900.00	\$ 324.00
3EM24166BT	Field Add-On 3rd MPT to 2x(1+0) Kit (SD FD)	N		
<b>Waveguide Extension Kits - Table I</b>				
3EM24166AQ	11 GHz WG Ext Xmt-Rev Kit Positions A8-A11 Left or Right	N	\$ 1,016.00	\$ 365.76
3EM24166AR	11 GHz W/G Extension Kit Space Div A8-A11 (MPT-HL)	N	\$ 1,118.00	\$ 402.48
3EM24166AV	11 GHz W/G Extension Kit Space Div A8-A11 (MPT-HLC)	N	\$ 1,825.00	\$ 657.00
<b>RF Stacking Filters - 6 GHz Table J</b>				
3EM16948AG	RCV RF Stacking Filter 5725-5850 MHz	N	\$ 900.00	\$ 324.00
3EM16949AG	XMT RF Stacking Filter 5725-5850 MHz	N	\$ 900.00	\$ 324.00
3EM16948AA	RCV RF Stacking Filter 5925-6175 MHz	N	\$ 1,100.00	\$ 396.00
3EM16949AB	XMT RF Stacking Filter 6175-6425 MHz	N	\$ 1,150.00	\$ 414.00
3EM16948AB	RCV RF Stacking Filter 6175-6425 MHz	N	\$ 1,200.00	\$ 432.00
3EM16949AA	XMT RF Stacking Filter 5925-6175 MHz	N	\$ 1,650.00	\$ 594.00
3DB76113AA	RF Stacking Filter 5925-6175 MHz (XMT or RCV) 60 MHz	N	\$ 725.00	\$ 261.00
3DB76114AA	RF Stacking Filter 6175-6425 MHz (XMT or RCV) 60 MHz	N	\$ 725.00	\$ 261.00
3DB76092AA	60 MHz Filter Flange Adapter Kit	N	\$ 7,500.00	\$ 2,700.00
3EM16948AD	RCV RF Stacking Filter 6525-6875 MHz	N	\$ 950.00	\$ 342.00
3EM16949AD	XMT RF Stacking Filter 6525-6875 MHz	N	\$ 950.00	\$ 342.00
3EM16948AE	RCV RF Stacking Filter 6440-6740 MHz	N	\$ 1,700.00	\$ 612.00
3EM16949AF	XMT RF Stacking Filter 6740-7080 MHz	N	\$ 1,250.00	\$ 450.00
3EM16948AF	RCV RF Stacking Filter 6740-7080 MHz	N	\$ 1,250.00	\$ 450.00
3EM16949AE	XMT RF Stacking Filter 6440-6740 MHz	N	\$ 850.00	\$ 306.00
<b>RF Stacking Filters - 11 GHz - Table J</b>				
3EM05115AA	RCV RF Stacking Filter 10700-11200 MHz	N	\$ 1,500.00	\$ 540.00
3EM05115AC	RCV RF Stacking Filter 11200-11700 MHz	N	\$ 1,500.00	\$ 540.00
3EM05114AA	XMT RF Stacking Filter 10700-11200 MHz	N	\$ 1,500.00	\$ 540.00
3EM05114AC	XMT RF Stacking Filter 11200-11700 MHz	N	\$ 1,500.00	\$ 540.00
<b>Cable Kits - Table J1</b>				
3EM23523AJ	Stacking Cable Assy Hot Standby 1:10 Coupler	N	\$ 1,145.00	\$ 412.20
3EM23523AK	Stacking Cable Assy Hot Standby W/ Space Diversity	N	\$ 1,150.00	\$ 414.00
3EM23523AL	Stacking Cable Assy Freq Diversity 2x(1+0)	N	\$ 450.00	\$ 162.00
3EM23523AM	Stacking Cable Assy 1+0 Non-Standby Circulators Right-Rear	N	\$ 200.00	\$ 72.00
3EM23523AN	Stacking Cable Assy 1+0 Non-Standby Circulators Left-Rear	N	\$ 235.00	\$ 84.60
3EM23523AP	Stacking Cable Assy Expansion to 2x(1+0) Circulators Right-Rear	N	\$ 235.00	\$ 84.60
3EM23523AQ	Stacking Cable Assy Expansion to 2x(1+0) Circulators Left-Rear	N	\$ 200.00	\$ 72.00
3EM23523AR	Stacking Cable Assy Hot-Standby, Space Div with Combiner	N	\$ 1,345.00	\$ 484.20
3EM23523AS	Stacking Cable Assy Hot-Standby, Space Div with Combiner	N	\$ 500.00	\$ 180.00
3EM23523AT	Freq Div 1x(1+0), Space Div w/Combiner Circulators Right-Rear	N	\$ 285.00	\$ 102.60
3EM23523AU	Freq Div 1x(1+0), Space Div w/Combiner Circulators Left-Rear	N	\$ 350.00	\$ 126.00
3EM23523AV	Expansion to 2x(1+0), SD w/ Combiner Circulators Right-Rear	N	\$ 345.00	\$ 124.20
3EM23523AW	Expansion to 2x(1+0), SD w/ Combiner Circulators Left-Rear	N	\$ 290.00	\$ 104.40
3EM23523AY	Hot Standby w/ Transmitter Diversity Antenna	N	\$ 915.00	\$ 329.40
<b>Isolator Kits - 1.6 - Table J2</b>				
3EM23524AA	Isolator Assy Lower 6 GHz Hot Standby 1:10 Coupler	N	\$ 461.00	\$ 165.96
3EM23524AB	Isolator Assy Lower 6 GHz Hot Standby Space Diversity or FD	N	\$ 449.00	\$ 161.64
3EM23524AC	Isolator Assy Lower 6 GHz 1+0 (Non-Standby)	N	\$ 224.00	\$ 80.64
3EM23524AG	Isolator Assy Lower 6 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 840.00	\$ 302.40
3EM23524AH	Isolator Assy Lower 6 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 650.00	\$ 234.00
3EM23524AJ	Isolator Assy Lower 6 GHz 1+0, Space Div w/ Combiner	N	\$ 325.00	\$ 117.00

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Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
3EM23524AK	Isolator Assy Lower 6 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 750.00	\$ 270.00
	<b>Isolator Kits - U6 - Table J2</b>			
3EM23524AD	Isolator Assy Upper 6 GHz Hot Standby 1:10 Coupler	N	\$ 479.00	\$ 172.44
3EM23524AE	Isolator Assy Upper 6 GHz Hot Standby Space Diversity or FD	N	\$ 466.00	\$ 167.76
3EM23524AF	Isolator Assy Upper 6 GHz 1+0 (Non-Standby)	N	\$ 233.00	\$ 83.88
3EM23524AL	Isolator Assy Upper 6 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 925.00	\$ 333.00
3EM23524AM	Isolator Assy Upper 6 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 725.00	\$ 261.00
3EM23524AN	Isolator Assy Upper 6 GHz 1+0, Space Div w/ Combiner	N	\$ 365.00	\$ 131.40
3EM23524AP	Isolator Assy Upper 6 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 895.00	\$ 322.20
	<b>Isolator Kits - 10.5/11 GHz - Table J2</b>			
3EM24189AA	Isolator Assy 10.5/11 GHz Hot Standby 1:10 Coupler	N	\$ 526.00	\$ 189.36
3EM24189AB	Isolator Assy 10.5/11 GHz Hot Standby Space Diversity or FD	N	\$ 512.00	\$ 184.32
3EM24189AC	Isolator Assy 10.5/11 GHz 1+0 (Non-Standby)	N	\$ 256.00	\$ 92.16
3EM24189AD	Isolator Assy 10.5/11 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 750.00	\$ 270.00
3EM24189AE	Isolator Assy 10.5/11 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 625.00	\$ 225.00
3EM24189AF	Isolator Assy 10.5/11 GHz 1+0, Space Div w/ Combiner	N	\$ 325.00	\$ 117.00
3EM24189AH	Isolator Assy 10.5 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 850.00	\$ 306.00
3EM24189AG	Isolator Assy 11 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 850.00	\$ 306.00
	<b>Flange Adapter Kit - Table J3</b>			
3DH04122HA	Flange Adapter CPR-137 1PORT, 6Ghz	N	\$ 250.00	\$ 90.00
3DH04122HB	Flange Adapter CPR-137 2PORT, 6Ghz	N	\$ 500.00	\$ 180.00
3DH04122HC	Flange Adapter CPR-137 3PORT, 6Ghz	N	\$ 600.00	\$ 216.00
3DH04122HD	Flange Adapter CPR-159 1PORT, 6Ghz	N	\$ 200.00	\$ 72.00
3DH04122HE	Flange Adapter CPR-159 2PORT, 6Ghz	N	\$ 500.00	\$ 180.00
3DH04122HF	Flange Adapter CPR-159 3PORT, 6Ghz	N	\$ 600.00	\$ 216.00
3DH04122HG	Flange Adapter CMR-159 1PORT, 6Ghz	N	\$ 200.00	\$ 72.00
3DH04122HH	Flange Adapter CMR-159 2PORT, 6Ghz	N	\$ 350.00	\$ 126.00
3DH04122HJ	Flange Adapter CMR-159 3PORT, 6Ghz	N	\$ 450.00	\$ 162.00
3DH04122HN	Flange Adapter CPR-90 1PORT, 11Ghz	N	\$ 250.00	\$ 90.00
3DH04122HP	Flange Adapter CPR-90 2PORT, 11Ghz	N	\$ 500.00	\$ 180.00
3DH04122HQ	Flange Adapter CPR-90 3PORT, 11 Ghz	N	\$ 600.00	\$ 216.00
3DH04122HR	Flange Adapter CMR-90 1PORT, 11 Ghz	N	\$ 150.00	\$ 54.00
3DH04122HS	Flange Adapter CMR-90 2PORT, 11 Ghz	N	\$ 350.00	\$ 126.00
3DH04122HT	Flange Adapter CMR-90 3PORT, 11Ghz	N	\$ 450.00	\$ 162.00
	<b>Waveguide - Table H</b>			
3EM24197AA	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 350.00	\$ 126.00
3EM24197AB	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 475.00	\$ 171.00
3EM24191AA	6 GHz E-E BEND WAVEGUIDE ADAPTER	N	\$ 650.00	\$ 234.00
3EM24191AB	6 GHz E-E BEND WAVEGUIDE ADAPTER	N	\$ 650.00	\$ 234.00
3EM24197AC	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 750.00	\$ 270.00
3EM24190AA	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 414.00
3EM24190AB	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 414.00
3EM24190AD	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 414.00
	<b>ACCP L6 and U6 GHz</b>			
3DB76151AB	KIT SUPPORT WG R70 UP/DOWN	N	\$ 423.00	\$ 153.00
3DB76152AC	KIT BRANCHING CHI SIDE UP	N	\$ 1,835.00	\$ 660.60
3DB76153AC	KIT BRANCHING CHI DOWN	N	\$ 2,150.00	\$ 774.00
3DB76154AB	KIT EXPANSION BRACKETS CHANNELS 3-5-7 UP/DOWN	N	\$ 385.00	\$ 138.60
3DB76155AB	KIT EXPANSION TX-RX CHANNELS 3-5-7	N	\$ 525.00	\$ 189.00
3DB76156AB	KIT EXPANSION TX-RX CH.2-4-6-8	N	\$ 400.00	\$ 144.00
3DB76157AC	KIT BRANCHING RX-DIV CHI UP	N	\$ 575.00	\$ 207.00
3DB76158AC	KIT BRANCHING RX-DIV CHI DOWN	N	\$ 1,175.00	\$ 423.00
3DB76159AB	KIT EXTENSION RX DIV. CHANNELS 3-5-7	N	\$ 250.00	\$ 90.00
3DB76161AB	KIT EXTENSION RX-DIV.CHANNELS 2-4-6-8 UP/DOWN	N	\$ 200.00	\$ 72.00
3DB76285AA	5.9-6.95 GHz circulator	N	\$ 95.00	\$ 34.20
3DB01185AA	WR137 Power Absorber 5.6-7.1 GHz	N	\$ 55.00	\$ 19.80
3DB02412AA	FLANGED STUB L=47MM (x CH2)	N	\$ 70.00	\$ 25.20
3DB02414AA	FLANGED STUB L=141 MM (x CH3)	N	\$ 80.00	\$ 28.80
3DB02415AA	FLANGED STUB L=188 MM (x CH4)	N	\$ 100.00	\$ 36.00
3DB02417AA	FLANGED STUB L=282 MM (x CH5)	N	\$ 115.00	\$ 41.40
3DB02418AA	FLANGED STUB L=329 MM (x CH6)	N	\$ 135.00	\$ 48.60
3DB24240AA	FLANGED STUB L=423 MM (x CH7)	N	\$ 200.00	\$ 72.00
3DB76146AA	FLANGED STUB R70 L=470 MM (x CH8)	N	\$ 225.00	\$ 81.00
3DB76145AA	FLANGED STUB R70 (CPR137)	N	\$ 85.00	\$ 30.60
3DB76246AA	FLANGED STUB R70 (L=210mm) (CMR137)	N	\$ 775.00	\$ 279.00
3DB76131AA	TUNED 6 CAV FILTER 5.90-6.20 GHz CH 30 MHz	N	\$ 775.00	\$ 279.00
3DB76132AA	TUNED 6 CAV FILTER 6.15-6.45 GHz CH 30 MHz	N	\$ 775.00	\$ 279.00
3DB76286AA	TUNED 6 CAV FILTER 6.4-6.75 GHz CH 30 MHz (BW 25.5MHz)	N	\$ 775.00	\$ 279.00
3DB76287AA	TUNED 6 CAV FILTER 6.7-7.1 GHz CH 30 MHz (BW 25.5 MHz)	N	\$ 475.00	\$ 171.00
3DB76197AA	REJECTION FILTER 3 cav. 6L JNF	N	\$ 475.00	\$ 171.00

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Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
3DB76198AA	REJECTION FILTER 3 cav. 6L SUP	N	\$ 475.00	\$ 171.00
3DB76113AA	RF Stacking Filter 5925-6175 MHz (XMT or RCV) 60 MHz	N	\$ 725.00	\$ 261.00
3DB76114AA	RF Stacking Filter 6175-6425 MHz (XMT or RCV) 60 MHz	N	\$ 725.00	\$ 261.00
3DB76199AA	REJECTION FILTER 6 CAV. 6L INF (Only for Ch 60 MHz)	N	\$ 425.00	\$ 153.00
3DB76200AA	REJECTION FILTER 6 CAV. 6L SUP (Only for Ch 60 MHz)	N	\$ 425.00	\$ 153.00
3CC30266AB	KIT SCREW FOR DOUBLE REJECTION FILTERS	N	\$ 5.00	\$ 1.80
3DB80438AA	SHORTING PLATE KIT	N	\$ 55.00	\$ 19.80
3DB76258AB	KIT BRANCHING TX SPLIT ON RXD 1+0 UP	N	\$ 3,050.00	\$ 1,098.00
3DB76259AB	KIT BRANCHING TX SPLIT ON RXD 1+0 DOWN	N	\$ 3,850.00	\$ 1,386.00
3DB76261AB	KIT EXP. CONFIG. 3+0 5+0 7+0 UP/DOWN	N	\$ 935.00	\$ 336.60
3DB76260AB	KIT EXP. CONFIG. 2+0 4+0 6+0 8+0 UP/DOWN	N	\$ 815.00	\$ 293.40
3DB76162AA	KIT FIXING BRACKET BRANCH. CONFIG. 5+0 7+0	N	\$ 85.00	\$ 30.60
3DB76262AA	KIT FIX BRACKETS TX ON RXD FOR EVEN CONFIGURATION	N	\$ 95.00	\$ 34.20
1AB441920005	UW ISOLATOR COAX 5.73-6.43GHZ - 51A32-27*20dB	N	\$ 40.23	\$ 14.48
1AB456210001	UW ISOLATOR COAX 5.73-6.43GHZ - 51A32-29*20dB	N	\$ 42.19	\$ 15.19
1AB443880001	UW ISOLATOR COAX 6.43-7.25GHZ - 51A27-06* 20dB	N	\$ 59.54	\$ 18.19
1AB470490001	UW ISOLATOR COAX 6.43-7.13GHZ - 60D294-29* 20dB	N	\$ 46.99	\$ 16.92
<b>ACCP Cable Kits Lower 6 GHz</b>				
3EM23523CA	MPT-HLC ACCP Ch 1, 3, 5, 7 Cable Kit	N	\$ 160.00	\$ 57.60
3EM23523CB	MPT-HLC ACCP Ch 2, 4, 6, 8 Cable Kit	N	\$ 160.00	\$ 57.60
3EM23523CC	6 G MPT-HLC ACCP SD Ch 1,3,5,7 Cable Kit	N	\$ 80.00	\$ 28.80
3EM23523CD	6 G MPT-HLC ACCP SD Ch 2,4,6,8 Cable Kit	N	\$ 80.00	\$ 28.80
<b>ACCP 11 GHz</b>				
3DB76151AB	KIT SUPPORT WG UP/DOWN	N	\$ 425.00	\$ 153.00
3DB76151AC	KIT SUPPORT WG UP/DOWN	N	\$ 425.00	\$ 153.00
3DB76201AB	KIT BRANCHING TX-RX CH1 SIDE UP 11 GHz	N	\$ 1,975.00	\$ 711.00
3DB76202AB	KIT BRANCHING CH1 SIDE DOWN 11 GHz	N	\$ 1,775.00	\$ 639.00
3DB76203AB	KIT EXT. BRACKETS CHANNELS 3-5-7 11 GHz	N	\$ 550.00	\$ 198.00
3DB76204AA	KIT EXT. TX-RX CH 3-5-7 UP/DOWN 11 GHz	N	\$ 945.00	\$ 340.20
3DB76205AA	KIT EXT. TX-RX CH 2-4-6-8 UP/DOWN 11GHz	N	\$ 600.00	\$ 216.00
3DB76206AB	KIT BRANCHING RX-DIV CH1 UP 11 GHz	N	\$ 825.00	\$ 297.00
3DB76207AB	KIT BRANCHING RX-DIV CH1 DOWN 11 GHz	N	\$ 815.00	\$ 293.40
3DB76208AA	KIT EXT RX-DIV. CH 3-5-7 UP/DOWN 11 GHz	N	\$ 475.00	\$ 171.00
3DB76209AA	KIT EXT RX-DIV.CH 2-4-6-8 UP/DOWN 11 GHz	N	\$ 300.00	\$ 108.00
3DB02132AA	11 GHZ CIRCULATOR	N	\$ 300.00	\$ 108.00
3DB80566AA	FILTER 11,2-11,7 GHZ 6 CAV.BW 40 MHZ	N	\$ 853.60	\$ 307.30
3DB80567AA	FILTER 10,7-11,2 GHZ 6 CAV.BW 40 MHZ	N	\$ 853.60	\$ 307.30
3DB76228AA	FILTER 11,2-11,7 GHZ 6 CAV.BW 40 MHZ	N	\$ 1,325.00	\$ 477.00
3DB76228AA	FILTER 10,7-11,2 GHZ 6 CAV.BW 40 MHZ	N	\$ 1,325.00	\$ 477.00
3DB76229AA	FILTER 10,7-11,2 GHZ 6 CAV.BW 40 MHZ	N	\$ 125.00	\$ 45.00
3DB02189AA	TERMINATION 11-13GHz WR75	N	\$ 175.00	\$ 63.00
3DB76215AA	FLANGED STUB R120 L=261mm (TX-RX and RXD - UP)	N	\$ 485.00	\$ 174.60
3DB76223AA	DOUBLE BEND E PLANE R120 (TX-RX - DOWN)	N	\$ 485.00	\$ 174.60
3DB76224AA	DOUBLE BEND E PLANE R120 (RXD - DOWN)	N	\$ 145.00	\$ 52.20
3DB76222AA	FLANGED STUB R120 L=39mm (2CH)	N	\$ 150.00	\$ 54.00
3DB76216AA	FLANGED STUB R120 L=141mm (3CH)	N	\$ 150.00	\$ 54.00
3DB76217AA	FLANGED STUB R120 L=180mm (4CH)	N	\$ 165.00	\$ 59.40
3DB76218AA	FLANGED STUB R120 L=282mm (5CH)	N	\$ 165.00	\$ 59.40
3DB76219AA	FLANGED STUB R120 L=321mm (6CH)	N	\$ 165.00	\$ 59.40
3DB76220AA	FLANGED STUB R120 L=423mm (7CH)	N	\$ 175.00	\$ 63.00
3DB76221AA	FLANGED STUB R120 L=462mm (8CH)	N	\$ 175.00	\$ 63.00
3DB80699AA	CLOSED KIT CHANNEL CIRCULATOR	N	\$ 47.80	\$ 17.21
3DB76266AA	FLANGED STUB R120 L=705mm (11CH)	N	\$ 175.00	\$ 63.00
<b>ACCP Cable Kits 11 GHz</b>				
3EM23523CE	MPT-HLC ACCP Ch 1, 3, 5, 7 Cable Kit	N	\$ 160.00	\$ 57.60
3EM23523CF	MPT-HLC ACCP Ch 2, 4, 6, 8 Cable Kit	N	\$ 160.00	\$ 57.60
3EM23523CG	11 G MPT-HLC ACCP SD Ch 1,3,5,7 Cable Kit	N	\$ 80.00	\$ 28.80
3EM23523CH	11 G MPT-HLC ACCP SD Ch 2,4,6,8 Cable Kit	N	\$ 80.00	\$ 28.80
<b>MPT-HC V2 5.8G 64MHz</b>				
3DB20913BA	MPT-HC V2 5.8GHz 5725.5-5785.5	Y	\$ 9,230.00	\$ 3,322.80
3DB20914BA	MPT-HC V2 5.8GHz 5789.5-5849.5	Y	\$ 9,230.00	\$ 3,322.80
3DB20913BB	MPT-HC V2 5.8GHz 5725.5-5785.5 (GR-3108 version)	Y	\$ 9,230.00	\$ 3,322.80
3DB20914BB	MPT-HC V2 5.8GHz 5789.5-5849.5 (GR-3108 version)	Y	\$ 9,230.00	\$ 3,322.80
<b>MPT-HC V2 5.8 GHz Diplexers - Table E4</b>				
3DB20752BA	5.8GHz CH1-1P P.SH.64MHz 5725.5-5755.5 / 5789.5-5819.5	N	\$ 1,800.00	\$ 648.00
3DB20752BB	5.8GHz CH2-2P P.SH.64MHz 5755.5-5785.5 / 5819.5-5849.5	N	\$ 1,800.00	\$ 648.00
3DB20752BC	5.8GHz CH1-1P P.SH.64MHz 5725.5-5755.5 / 5789.5-5819.5 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
3DB20752BD	5.8GHz CH2-2P P.SH.64MHz 5755.5-5785.5 / 5819.5-5849.5 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
<b>MPT-HC V2 L6 GHz Diplexers - Table E4</b>				
3DB20753BA	5929.96-6050 / 6182-6302.04	N	\$ 1,800.00	\$ 648.00

The 9500 MPR Family				
Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
3DB20753BB	6032.96-6168 / 6285-6420.04	N	\$ 1,800.00	\$ 648.00
3DB20753BD	5929.96-6050 / 6182-6302.04 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
3DB20753BE	6032.96-6168 / 6285-6420.04 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
<b>MPT-HC v2 U6 160GHz Diplexers- Table E4</b>				
3DB20756BA	6540-6610 / 6710-6780	N	\$ 1,800.00	\$ 648.00
3DB20756BB	6590-6660 / 6750-6820	N	\$ 1,800.00	\$ 648.00
3DB20756BC	6640-6710 / 6800-6870	N	\$ 1,800.00	\$ 648.00
3DB20756BD	6540-6610 / 6710-6780 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
3DB20756BE	6590-6660 / 6750-6820 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
3DB20756BF	6640-6710 / 6800-6870 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
<b>MPT-HC v2 U6 340 GHz Diplexers- Table E4</b>				
3DB20755BA	6420-6600, 1 / 6760-6940, 1P (for HC only)	N	\$ 1,800.00	\$ 648.00
3DB20755BB	6565-6720, 2 / 6905-7060, 2P (for HC only)	N	\$ 1,800.00	\$ 648.00
3DB20755BC	6595-6775, 3 / 6935-7115, 3P (for HC only)	N	\$ 1,800.00	\$ 648.00
3DB20755BG	6420-6600, 1 / 6760-6940, 1P (for HC & XP)	N	\$ 1,800.00	\$ 648.00
3DB20755BH	6565-6720, 2 / 6905-7060, 2P (for HC & XP)	N	\$ 1,800.00	\$ 648.00
3DB20755BJ	6595-6775, 3 / 6935-7115, 3P (for HC & XP)	N	\$ 1,800.00	\$ 648.00
<b>MPT-HC/XP-HQAM 6GHz</b>				
3DB20800DA	MPT-HC-HQAM L6GHz low	Y	\$ 9,230.00	\$ 3,322.80
3DB20802DA	MPT-HC-HQAM L6GHz high	Y	\$ 9,230.00	\$ 3,322.80
3DB20760DA	MPT-XP-HQAM L6GHz low	Y	\$ 11,730.00	\$ 4,222.80
3DB20761DA	MPT-XP-HQAM L6GHz high	Y	\$ 11,730.00	\$ 4,222.80
3DB20804DA	MPT-HC-HQAM U6GHz low	Y	\$ 9,230.00	\$ 3,322.80
3DB20806DA	MPT-HC-HQAM U6GHz high	Y	\$ 9,230.00	\$ 3,322.80
3DB20763DA	MPT-XP-HQAM U6GHz low	Y	\$ 11,730.00	\$ 4,222.80
3DB20764DA	MPT-XP-HQAM U6GHz high	Y	\$ 11,730.00	\$ 4,222.80
<b>MPT-HC/XP-HQAM 11GHz</b>				
3DB22000DA	MPT-HC-HQAM 11GHz low	Y	\$ 9,230.00	\$ 3,322.80
3DB22001DA	MPT-HC-HQAM 11GHz high	Y	\$ 9,230.00	\$ 3,322.80
3DB22002DA	MPT-XP-HQAM 11GHz low	Y	\$ 11,730.00	\$ 4,222.80
3DB22003DA	MPT-XP-HQAM 11GHz high	Y	\$ 11,730.00	\$ 4,222.80
<b>MPT-HC/XP-HQAM 18GHz</b>				
3DB20432DA	MPT-HC-HQAM 18GHz 1560 1P/1	Y	\$ 9,200.00	\$ 3,312.00
3DB20433DA	MPT-HC-HQAM 18GHz 1560 1P/1	Y	\$ 9,200.00	\$ 3,312.00
<b>MPT-HC/XP-HQAM 23GHz</b>				
3DB20473DA	MPT-HC-HQAM 23GHz 1200 1P/1	Y	\$ 9,200.00	\$ 3,312.00
3DB20474DA	MPT-HC-HQAM 23GHz 1200 2/2P	Y	\$ 9,200.00	\$ 3,312.00
3DB20475DA	MPT-HC-HQAM 23GHz 1200 1P/1	Y	\$ 9,200.00	\$ 3,312.00
3DB20476DA	MPT-HC-HQAM 23GHz 1200 2P/2	Y	\$ 9,200.00	\$ 3,312.00
<b>MPT-HC/XP-HQAM 11 GHz Diplexer</b>				
3DB20991BD	11 GHz : 10695 - 10961 / 11199 - 11485	Y	\$ 1,800.00	\$ 648.00
3DB20991BE	11 GHz : 10933 - 11200 / 11430 - 11705	Y	\$ 1,800.00	\$ 648.00
3DB20991BF	11GHz CH3-3P SH.490-530MHz (ANSI special apps)	Y	\$ 1,800.00	\$ 648.00
<b>MPT-HC Coupler- Equal 3:3 Table E10</b>				
3CC58276AA	5.8GHz 3dB coupler	N	\$ 1,080.00	\$ 388.80
3CC13473AA	18-25GHz 3dB coupler	N	\$ 1,316.86	\$ 474.07
3CC58276AC	coupler 3 dB 5.7-7.1 GHz GR3108	N	\$ 1,080.00	\$ 388.80
3CC58224AB	coupler 3 dB 10-11.7 GHz flat GR3108	N	\$ 1,964.00	\$ 707.04
3CC13473AC	18/23/25 GHz 3dB COUPLER GR3108	N	\$ 405.00	\$ 145.80
<b>MPT-HC Coupler Unequal 1:10 Table E9</b>				
3CC58276AB	5.8GHz 10dB coupler	N	\$ 1,024.00	\$ 368.64
3CC13473AB	18-25GHz 10dB coupler	N	\$ 652.48	\$ 234.89
3CC58056AD	Coupler 10dB 6 GHz GR3108	N	\$ 1,082.43	\$ 389.67
3CC58276AD	coupler 10 dB 5.7-7.1 GHz GR3108	N	\$ 1,316.35	\$ 473.89
3CC14140AD	11GHz 10dB coupler GR3108	N	\$ 1,894.12	\$ 681.88
3CC58226AB	coupler 10 dB 10-11.7 GHz flat GR3108	N	\$ 1,964.00	\$ 707.04
3CC13473AD	18/23/25 GHz 10dB COUPLER GR3108	N	\$ 675.27	\$ 243.10
<b>MPT-HC 4x OMT Table E12</b>				
3CC58244AA	OMT-C 6LGHz	N	\$ 10,064.25	\$ 3,623.13
3CC58266AA	OMT-C U6 GHz	N	\$ 10,064.25	\$ 3,623.13
3CC58200AA	OMT-C 11GHz	N	\$ 2,236.28	\$ 805.06
3CC58201AA	OMT-C 18GHz	N	\$ 6,638.49	\$ 2,389.86
3CC58202AA	OMT-C 23GHz	N	\$ 2,236.28	\$ 805.06

The 9500 MPR Family				
Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
<b>MPT-HC 2xOMT Table E11</b>				
3CC58134AA	OMT 6LGHZ	N	\$ 2,370.00	\$ 853.20
3CC58186AA	OMT 6UGHZ	N	\$ 2,370.00	\$ 853.20
3CC58161AA	OMT 11GHZ	N	\$ 1,555.00	\$ 559.80
3CC58229AA	OMT 11 GHz - flat	N	\$ 1,555.00	\$ 559.80
3CC58164AA	OMT 18GHZ	N	\$ 1,555.00	\$ 559.80
3CC58165AA	OMT 23GHZ	N	\$ 1,555.00	\$ 559.80
<b>MPT-HC OMT Coupler Termination Table E13</b>				
3CC58225AA	6 GHz 50 Ohm Termination	N	\$ 405.00	\$ 145.80
3CC58223AA	11 GHz 50 Ohm Termination	N	\$ 405.00	\$ 145.80
3CC58221AA	18/25 GHz 50 Ohm Termination	N	\$ 405.00	\$ 145.80
<b>MPT-HC Mounting Table E7</b>				
3DB10137AB	Non-integrated Pole Mount (GR-3108)	N	\$ 300.00	\$ 108.00
3CC50172AA	5.8 GHz N-Type nose adapter	N	\$ 503.00	\$ 181.08
3DB01460AB	6 GHz Nose for not integrated ant	N	\$ 283.50	\$ 102.06
3CC50125AA	11GHz nose WR90 (flange UBR100)	N	\$ 270.00	\$ 97.20
3CC50178AA	18-23 GHz nose adapter	N	\$ 520.00	\$ 187.20
3EM24705AA	Rack mount panel / Star adapter kit	N	\$ 490.00	\$ 176.40
3EM24705AB	ODU RACK MOUNT MPT-HC/MPRe 6 GHz	N	\$ 490.00	\$ 176.40
<b>Outdoor PoE</b>				
3DB19194AA	PD-9501GO/FP/AC-NA	N	\$ 850.00	\$ 306.00
3DB19195AA	PD-OUT-MBK	N	\$ 160.00	\$ 57.60
<b>MPT-HC Cables</b>				
3CC52191AA	Light Service alignment kit with LEMO connector	N	\$ 284.00	\$ 102.24
<b>MPT-HC CAT5e IM Table A6</b>				
1AC016760006	Cat5e cable - GLP is per foot	N	\$ 1.15	\$ 0.84
1AD040130004	Ground kit - (qty 3 per run, based on length)	N	\$ 58.52	\$ 21.07
3CC50251AA	Ground kit, 2M - (qty 3 per run, based on length)	N	\$ 60.00	\$ 21.60
1AB074610027	RJ-45 connector for indoor and outdoor ends of cat5e	N	\$ 8.17	\$ 2.94
1AB150990002	R2CT connector protection for RJ45 outdoor	N	\$ 34.36	\$ 12.37
1AD160490001	Tool HIROSE RJ45 1DU-ODU cable assembling	N	\$ 2,064.15	\$ 743.09
<b>MPT-HC CAT5e Cords A4</b>				
3CC52199AE	3m Preassembled CAT5e R2TC/RJ45	N	\$ 232.00	\$ 83.52
3CC52199AF	5m Preassembled CAT5e R2TC/RJ45	N	\$ 244.00	\$ 87.84
3CC52199AG	10m Preassembled CAT5e R2TC/RJ45	N	\$ 272.00	\$ 97.92
3CC52199AH	18m Preassembled CAT5e R2TC/RJ45	N	\$ 308.00	\$ 110.88
3CC52199AA	25m Preassembled CAT5e R2TC/RJ45	N	\$ 418.00	\$ 150.48
3CC52199AJ	40m Preassembled CAT5e R2TC/RJ45	N	\$ 500.00	\$ 180.00
3CC52199AB	50m Preassembled CAT5e R2TC/RJ45	N	\$ 745.00	\$ 268.20
3CC52199AC	75m Preassembled CAT5e R2TC/RJ45	N	\$ 1,081.00	\$ 389.16
3CC52199AD	100m Preassembled CAT5e R2TC/RJ45	N	\$ 1,408.00	\$ 506.88
<b>MPT-HC CAT5e Cords A4</b>				
3CC52170BA	Preassembled fiber cord LC-LC/Q-XCO 80m (multimode)	N	\$ 875.00	\$ 315.00
3CC52170BB	Preassembled fiber cord LC-LC/Q-XCO 100m (multimode)	N	\$ 895.00	\$ 322.20
3CC52170BC	Preassembled fiber cord LC-LC/Q-XCO 120m (pref) (multimode)	N	\$ 901.75	\$ 324.63
3CC52170BD	Preassembled fiber cord LC-LC/Q-XCO 140m (multimode)	N	\$ 1,034.00	\$ 372.24
3CC52170BE	Preassembled fiber cord LC-LC/Q-XCO 160m (multimode)	N	\$ 1,141.00	\$ 410.76
3CC52170BF	Preassembled fiber cord LC-LC/Q-XCO 180m (multimode)	N	\$ 1,248.50	\$ 449.46
3CC52170BG	Preassembled fiber cord LC-LC/Q-XCO 200m (pref) (multimode)	N	\$ 1,357.50	\$ 488.70
3CC52170BH	Preassembled fiber cord LC-LC/Q-XCO 220m (multimode)	N	\$ 1,470.00	\$ 529.20
3CC52170BY	Preassembled fiber cord LC-LC/Q-XCO 250m (multimode)	N	\$ 1,631.80	\$ 587.45
3CC52170BL	Preassembled fiber cord LC-LC/Q-XCO 300m (multimode)	N	\$ 1,901.20	\$ 684.43
3CC52170BM	Preassembled fiber cord LC-LC/Q-XCO 50m (multimode)	N	\$ 851.00	\$ 306.36
3CC52170BN	Preassembled fiber cord LC-LC/Q-XCO 25m (multimode)	N	\$ 729.00	\$ 262.44
3CC52212AB	Preassembled fiber cord LC-LC/Q-XCO 400m (singlemode)	N	\$ 1,810.00	\$ 651.60
3CC52212AC	Preassembled fiber cord LC-LC/Q-XCO 480m (singlemode)	N	\$ 2,100.00	\$ 756.00
3CC50097AA	Fiber storage -pole/wall mount (100m)	N	\$ 199.26	\$ 71.73
3CC50095AA	Fiber storage - rack mount (25 m)	N	\$ 313.71	\$ 112.94
<b>MPT-HC RPS Cables Table E5</b>				
3CC52169BA	RPS LC-LC optical jumper preassembled L=1m	N	\$ 161.33	\$ 58.08
3CC52169BB	RPS LC-LC optical jumper preassembled L=10m	N	\$ 229.50	\$ 82.62
3CC52169BC	RPS LC-LC optical jumper preassembled L=20m	N	\$ 290.25	\$ 104.49
<b>MPT-HC XPIC Cables Table E5</b>				
3CC52186CA	XPIC cable 1 m	N	\$ 140.94	\$ 50.74
3CC52186CB	XPIC cable 2.5 m	N	\$ 318.50	\$ 114.66



The 9500 MPR Family				
Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
3CC52186CC	XPIC cable 8 m	N	\$ 295.00	\$ 106.20
	<b>MPT-HC Battery IM</b>			
3CC50030AA	Lightning Arrestor when batt on coaxial cable	N	\$ 116.00	\$ 84.68
1AB251350001	LPF for batt. 2 wire N adapter (filters 48v from ODU)	N	\$ 295.00	\$ 106.20
1AB328430001	Lightning arrestor RJ-45 router output (MPRe)	N	\$ 725.25	\$ 261.09
3CC50158AA	Support for 1AB37230001 LA, max 8 LA	N	\$ 56.00	\$ 20.16
3CC52188AA	N- to Free Wire	N	\$ 85.73	\$ 30.86
3CC52159AA	Pig-tail, 2 wires to N-connector, 4 m (batt to N then LA, LPF...)	N	\$ 113.00	\$ 40.68
3CC52167AA	N- to RJ45	N	\$ 182.00	\$ 65.52
	<b>SOFTWARE R5.0x - Table B</b>			
3DB18970BGAD	9500 MPR R5.2.0 SW ICS04 CD Kit	N	\$ 1,500.00	\$ 540.00
3EM23086ARAD	9500 MPR R5.2.0 ICS04 Flash Card	N	\$ 100.00	\$ 36.00
3DB18970BGAD	9500 MPR R5.2.0 ICS04 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 360.00
	<b>SOFTWARE R6.0x - Table B</b>			
3DB23386AAAC	9500 MPR R6.0.0 uSD Card for CorEvo-10G ICS03	N	\$ 100.00	\$ 36.00
3DB18970BHAC	9500 MPR R6.0 SW CD Kit (MSS1/4/8) ICS03	N	\$ 1,500.00	\$ 540.00
3DB18970BHBC	9500 MPR R6.0 SW Electronic Delivery Kit ICS03	N	\$ 1,000.00	\$ 360.00
3EM23086ASAC	9500 MPR R6.0.0 Flash Card ICS03	N	\$ 100.00	\$ 36.00
3DB23386ABAC	9500 MPR R6.1.0 uSD Card for CorEvo-10G ICS03	N	\$ 100.00	\$ 36.00
3DB18970BJAC	9500 MPR R6.1 SW CD Kit (MSS1/4/8) ICS03	N	\$ 1,500.00	\$ 540.00
3DB18970BJBC	9500 MPR R6.1 SW Electronic Delivery Kit ICS03	N	\$ 1,000.00	\$ 360.00
3EM23086ATAC	9500 MPR R6.1.0 Flash Card ICS03	N	\$ 100.00	\$ 36.00
	<b>SOFTWARE R7.0x - Table B</b>			
3DB23386ACAA	9500 MPR R7.0.0 uSD Card for CorEvo-10G	N	\$ 100.00	\$ 36.00
3DB18970BKAA	9500 MPR R7.0 SW CD Kit (MSS1/4/8)	N	\$ 1,500.00	\$ 540.00
3DB18970BKBA	9500 MPR R7.0 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 360.00
3EM23086AUAA	9500 MPR R7.0.0 Flash Card	N	\$ 100.00	\$ 36.00
3DB23386ADAA	9500 MPR R7.1.0 uSD Card for CorEvo-10G	N	\$ 100.00	\$ 36.00
3DB18970BLAA	9500 MPR R7.1 SW CD Kit	N	\$ 1,500.00	\$ 540.00
3DB18970BLBA	9500 MPR R7.1 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 360.00
3EM23086AVAA	9500 MPR R7.1.0 Flash Card	N	\$ 100.00	\$ 36.00
	<b>SOFTWARE R8.0x - Table B</b>			
3DB23386AEAB	9500 MPR R8.0.0 uSD Card for CorEvo-10G ICS02	N	\$ 100.00	\$ 36.00
3DB18970BMAB	9500 MPR R8.0 SW CD Kit (MSS1/4/8) ICS02	N	\$ 1,500.00	\$ 540.00
3DB18970BMBB	9500 MPR R8.0 SW Electronic Delivery Kit ICS02	N	\$ 1,000.00	\$ 360.00
3EM23086AWAB	9500 MPR R8.0.0 Flash Card ICS02	N	\$ 100.00	\$ 36.00
	<b>MISC RTU</b>			
3EM23067AAAA	9500 MPR CT License (Per PC Installed)	N	\$ 500.00	\$ -
3EM24226AA	Microwave Factory Test Certificate	N	\$ 1,500.00	\$ -
3EM24592AAAB	9500 MPR Software Subscription (Per Node)	N	\$ 500.00	\$ 180.00
3EM24745AAAA	9500 MPR OS License	N	\$ 1,500.00	\$ 540.00
3MU00146AAAA	MPT on MSS-O RTU	N	\$ 3,000.00	\$ 1,080.00
3MU00147AAAA	MPT Spectrum Analyzer Tool RTU	N	\$ 3,000.00	\$ 1,080.00
	<b>RTUs - per ODU or RF Transceiver - Table B1</b>			
3EM23068AAAA	RTU 40Mbps TRX Capacity	N	\$ 75.00	\$ 27.00
3EM23068ABAA	RTU 80Mbps TRX Capacity	N	\$ 500.00	\$ 180.00
3EM23068ACAA	RTU 120Mbps TRX Capacity	N	\$ 2,000.00	\$ 720.00
3EM23068ADAA	RTU 160Mbps TRX Capacity	N	\$ 3,500.00	\$ 1,260.00
3EM23068AFAA	RTU 220Mbps TRX Capacity	N	\$ 4,250.00	\$ 1,530.00
3EM23068AEAA	RTU 320Mbps TRX Capacity	N	\$ 5,000.00	\$ 1,800.00
3EM23068AGAA	RTU 450Mbps TRX Capacity	N	\$ 6,500.00	\$ 2,340.00
3EM23068AHAA	RTU 500Mbps TRX Capacity	N	\$ 7,000.00	\$ 2,520.00
3EM23261AAAA	9500 MPR 5.8GHz Unlicensed RTU (MPT-HL only)	N	\$ 1,500.00	\$ 540.00
3EM23073AAAA	9500 MPR Adaptive Modulation RTU	N	\$ 1,500.00	\$ 540.00
3MU00086AAAA	9500 MPR MSP Ring RTU	N	\$ 4,000.00	\$ 1,440.00
3MU00092AAAA	9500 MPR Packet Throughput Booster RTU	N	\$ 1,200.00	\$ 432.00
3MU00122AAAA	9500 MPR XPIC RTU	N	\$ 5,000.00	\$ 1,800.00
3MU00121AAAA	9500 MPR AES RTU	N	\$ 1,500.00	\$ 540.00
3MU00148AAAA	1588 TC RTU	N	\$ 2,000.00	\$ 720.00
3MU00149AAAA	1588 BC RTU (MPR 7.1 and greater)	N	\$ 2,500.00	\$ 900.00
3MU00154AAAA	9500 MPR RTU I0G Interface	N	\$ 2,500.00	\$ 900.00
3MU00155AAAA	9500 MPR RTU MSS-O L1 LAG	N	\$ 3,500.00	\$ 1,260.00
3MU00156AAAA	9500 MPR RTU 5+ L1 LAG	N	\$ -	\$ -
	<b>Upgrade RTUs - Table B2</b>			
3EM23577AAAA	RTU 40Mbps TRX Capacity Upgrade	N	\$ 80.00	\$ 28.80
3EM23577ABAA	RTU 80Mbps TRX Capacity Upgrade	N	\$ 500.00	\$ 180.00

<b>The 9500 MPR Family</b>				
Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
3EM23577ACAA	RTU 120Mbps TRX Capacity Upgrade	N	\$ 2,000.00	\$ 720.00
3EM23577ADAA	RTU 160Mbps TRX Capacity Upgrade	N	\$ 3,500.00	\$ 1,260.00
3EM23577BBAA	RTU 220Mbps TRX Capacity Upgrade	N	\$ 4,250.00	\$ 1,530.00
3EM23577AEAA	RTU 320Mbps TRX Capacity Upgrade	N	\$ 5,000.00	\$ 1,800.00
3EM23577BCAA	RTU 450Mbps TRX Capacity Upgrade	N	\$ 6,500.00	\$ 2,340.00
3EM23577BTAA	RTU 500Mbps TRX Capacity Upgrade	N	\$ 7,000.00	\$ 2,520.00
3EM23577AFAA	9500 MPR Adaptive Modulation RTU Upgrade	N	\$ 1,500.00	\$ 540.00
3EM23577AGAA	9500 MPR 5.8GHz Unlicensed RTU Upgrade	N	\$ 1,500.00	\$ 540.00
3EM23577AUAA	9500 MPR MSP Ring RTU Upgrade	N	\$ 4,000.00	\$ 1,440.00
3EM23577AVAA	9500 MPR Packet Throughput Booster RTU Upgrade	N	\$ 1,200.00	\$ 432.00
3EM23577AYAA	9500 MPR XPIC RTU Upgrade	N	\$ 3,000.00	\$ 1,080.00
3EM23577AZAA	9500 MPR AES RTU Upgrade	N	\$ 1,500.00	\$ 540.00
3EM23577BFAA	1588 TC Upgrade	N	\$ 2,000.00	\$ 720.00
3EM23577BQAA	1588 BC Upgrade (MPR 7.1 and greater)	N	\$ 2,500.00	\$ 900.00
3EM23577BUAA	9500 MPR RTU 10G Interface Upgrade	N	\$ 1,000.00	\$ 360.00
3EM23577BVAA	9500 MPR RTU MSS-OLI LAG Upgrade	N	\$ 5,500.00	\$ 1,980.00
3EM23577BWAA	9500 MPR RTU 5+ L1 LAG Upgrade	N		
<b>Capacity Upgrades - Table B3</b>				
3EM23577AHAA	Capacity Upgrade MPR-TR-40T80	N	\$ 420.00	\$ 151.20
3EM23577AJAA	Capacity Upgrade MPR-TR-40T120	N	\$ 1,920.00	\$ 691.20
3EM23577AKAA	Capacity Upgrade MPR-TR-40T160	N	\$ 3,420.00	\$ 1,231.20
3EM23577ALAA	Capacity Upgrade MPR-TR-40T320	N	\$ 4,920.00	\$ 1,771.20
3EM23577AMAA	Capacity Upgrade MPR-TR-80T120	N	\$ 1,500.00	\$ 540.00
3EM23577ANAA	Capacity Upgrade MPR-TR-80T160	N	\$ 3,000.00	\$ 1,080.00
3EM23577APAA	Capacity Upgrade MPR-TR-80T320	N	\$ 4,500.00	\$ 1,620.00
3EM23577AQAA	Capacity Upgrade MPR-TR-120T160	N	\$ 1,500.00	\$ 540.00
3EM23577ARAA	Capacity Upgrade MPR-TR-120T320	N	\$ 3,000.00	\$ 1,080.00
3EM23577ASAA	Capacity Upgrade MPT-TR-160T320	N	\$ 1,500.00	\$ 540.00
3EM23577BDAA	Capacity Upgrade MPR-TR-40T220	N	\$ 4,170.00	\$ 1,501.20
3EM23577BEAA	Capacity Upgrade MPR-TR-80T220	N	\$ 3,750.00	\$ 1,350.00
3EM23577BFAA	Capacity Upgrade MPR-TR-120T220	N	\$ 2,250.00	\$ 810.00
3EM23577BGAA	Capacity Upgrade MPR-TR-160T220	N	\$ 750.00	\$ 270.00
3EM23577BHAA	Capacity Upgrade MPR-TR-40T450	N	\$ 6,420.00	\$ 2,311.20
3EM23577BJAA	Capacity Upgrade MPR-TR-80T450	N	\$ 6,000.00	\$ 2,160.00
3EM23577BKAA	Capacity Upgrade MPR-TR-120T450	N	\$ 4,500.00	\$ 1,620.00
3EM23577BLAA	Capacity Upgrade MPR-TR-160T450	N	\$ 3,000.00	\$ 1,080.00
3EM23577BLAA	Capacity Upgrade MPR-TR-160T450	N	\$ 2,250.00	\$ 810.00
3EM23577BMAA	Capacity Upgrade MPR-TR-220T450	N	\$ 1,500.00	\$ 540.00
3EM23577BNAA	Capacity Upgrade MPR-TR-320T450	N	\$ 6,920.00	\$ 2,491.20
3EM23577BYAA	Capacity Upgrade MPR-TR-40T500	N	\$ 6,500.00	\$ 2,340.00
3EM23577BZAA	Capacity Upgrade MPR-TR-80T500	N	\$ 5,000.00	\$ 1,800.00
3EM23577CAAA	Capacity Upgrade MPR-TR-120T500	N	\$ 3,500.00	\$ 1,260.00
3EM23577CBAA	Capacity Upgrade MPR-TR-160T500	N	\$ 2,750.00	\$ 990.00
3EM23577CCAA	Capacity Upgrade MPR-TR-220T500	N	\$ 2,000.00	\$ 720.00
3EM23577CDA	Capacity Upgrade MPR-TR-320T500	N	\$ 500.00	\$ 180.00
3EM23577CEAA	Capacity Upgrade MPR-TR-450T500	N		
<b>DOCUMENTATION (1 Per NE) - Table K3</b>				
3EM23951APAA	9500 MPR 5.2 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275AATA	9500 MPR 6.0 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275ABAA	9500 MPR 6.1 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275ACAA	9500 MPR 7.0 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275ADAA	9500 MPR 7.1 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275ABAA	9500 MPR 8.0 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
<b>Tributary Options OPTICS - Table A1</b>				
3EM20277AA	Optics SFP GigE 850 NM Multimode 550 Meter	Y	\$ 225.00	\$ 164.25
3EM20277AB	Optics SFP GigE 1310 NM Singlemode 10 Kilometer	Y	\$ 225.00	\$ 164.25
3EM23141AA	SFP Copper Cable, 0.5 M	N	\$ 200.00	\$ 146.00
3EM23141AB	SFP Copper Cable, 1.0 M	N	\$ 210.00	\$ 153.30
3EM23141AC	SFP Copper Cable, 1.5 M	N	\$ 215.00	\$ 156.95
3EM23141AD	SFP Copper Cable, 2.0 M	N	\$ 220.00	\$ 160.60
3EM23141AE	SFP Copper Cable, 3.0 M	N	\$ 225.00	\$ 164.25
3CC50167AA	Optical SFP (850 NM) for use in ODU - MPT-HC	Y	\$ 70.00	\$ 51.10
3CC50168AA	Opt SFP 1000Base-LX for use in ODU - MPT-HC	Y	\$ 225.00	\$ 164.25
3CC50169AA	Copper SFP (Finsiac) - not for use on ODU	Y	\$ 126.00	\$ 91.98
3CC50166AA	Copper SFP (Finsiac) - not for use on ODU	Y	\$ 100.00	\$ 73.00
3CC50165AA	OC3 optical SFP, L1.1 (Was 1AB194670005)	Y	\$ 55.00	\$ 40.15
3AL82027AA	OC3 optical SFP, S1.1	Y	\$ 638.00	\$ 463.74
3AL82027AA	SFP+ 10GBASE-SR	Y		

The 9500 MPR Family				
Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
3AL82026AA	SFP+ 10GBASE-LR	Y	\$ 1,450.00	\$ 1,058.50
3CC50183AA	SFP 1000Base-BX20-U	Y	\$ 232.00	\$ 169.36
3CC50184AA	SFP 1000Base-BX20-D	Y	\$ 232.00	\$ 169.36
3CC50198AA	SFP 1000Base-BX40-U	Y	\$ 292.00	\$ 213.16
3CC50199AA	SFP 1000Base-BX40-D	Y	\$ 292.00	\$ 213.16
Tributary Options DSI Cables/Supplies - Table A1				
1AF15245AB	32 E1/T1 Protection Panel - RJ45	N	\$ 727.16	\$ 530.83
3DB16102AA	32 E1/T1 Protection Panel - D-Connector	N	\$ 647.00	\$ 472.31
3MU00173AA	DS1 Protection Panel 68 SCSI to 37 D-Sub	N	\$ 647.00	\$ 472.31
3CC52118AA	E1/T1 SCSI-SCSI Interface Cable (16 T1/E1 per Cable)	N	\$ 133.07	\$ 97.14
3EM21339AA	16 DS1 Cable Stub (SCSI-Open) 25' Main Side	N	\$ 268.00	\$ 195.64
3EM21339AB	16 DS1 Cable Stub (SCSI-Open) 25' Spare Side	N	\$ 268.00	\$ 195.64
3EM21339AC	16 DS1 Cable Stub (SCSI-Open) 30' Main Side	N	\$ 482.00	\$ 351.86
3EM21339AD	16 DS1 Cable Stub (SCSI-Open) 30' Spare Side	N	\$ 482.00	\$ 351.86
3EM23110AA	8 DS1 Cable Assembly (D-Open) 15'	N	\$ 140.00	\$ 102.20
3EM23110AB	8 DS1 Cable Assembly (D-Open) 30'	N	\$ 224.00	\$ 163.52
3EM23110AC	8 DS1 Cable Assembly (D-Open) 50'	N	\$ 268.00	\$ 195.64
3EM23110AD	8 DS1 Cable Assembly (D-Open) 100'	N	\$ 600.00	\$ 438.00
Tributary Options DS3 Cables/Supplies - Table A1				
3EM22900AA	DS3 Protection Splitter Cable	N	\$ 150.00	\$ 109.50
3EM22687AA	DS3 BNC to Mini-BNC Cable - 2 Meter	N	\$ 50.00	\$ 36.50
3EM22687AB	DS3 BNC to Mini-BNC Cable - 5 Meter	N	\$ 109.00	\$ 79.57
3EM24462AA	DS3 Grooming Panel Kit	N	\$ 75.00	\$ 54.75
Tributary Options Sync Cables - Table A1				
3DB05850AA	9500 MPR Sync Cable	N	\$ 17.00	\$ 12.41
3DB18204AA	9500 MPR Sync Y-Cable	N	\$ 100.00	\$ 73.00
3DB04295AA	9500 MPR Sync Cable (1.0/2.3 - 1.0/2.3) 1.1m	N	\$ 40.00	\$ 29.20
3DB02901AA	9500 MPR Sync Cable (1.0/2.3 - 1.0/2.3) 6.0m	N	\$ 70.00	\$ 51.10
3CC52203AA	9500 MPR Sync Cable for Sync SFP	N	\$ 33.00	\$ 24.09
Tributary Options Ethernet Cables/Supplies - Table A1				
3MU00085AA	1 ft RJ45 Cat5e Cable	N	\$ 30.00	\$ 21.90
3MU00085AB	2 ft RJ45 Cat5e Cable	N	\$ 35.00	\$ 25.55
3MU00085AC	3 ft RJ45 Cat5e Cable	N	\$ 40.00	\$ 29.20
3MU00085AD	6 ft RJ45 Cat5e Cable	N	\$ 45.00	\$ 32.85
3MU00085AE	10 ft RJ45 Cat5e Cable	N	\$ 50.00	\$ 36.50
3MU00085AF	20 ft RJ45 Cat5e Cable	N	\$ 55.00	\$ 40.15
3MU00085AG	30 ft RJ45 Cat5e Cable	N	\$ 60.00	\$ 43.80
3MU00085AH	50 ft RJ45 Cat5e Cable	N	\$ 90.00	\$ 65.70
3MU00085AJ	70 ft RJ45 Cat5e Cable	N	\$ 120.00	\$ 87.60
3MU00085AK	100 ft RJ45 Cat5e Cable	N	\$ 150.00	\$ 109.50
3MU00085AL	200 ft RJ45 Cat5e Cable	N	\$ 250.00	\$ 182.50
3MU00085AM	300 ft RJ45 Cat5e Cable	N	\$ 350.00	\$ 255.50
ODU Coax Supplies - Table E2				
409072832	6 GHz FlexTwist 4' WR137 CPR - Andrew F137CCS5	N	\$ 545.00	\$ 397.85
1AF02957ABAA	11 GHz FlexTwist	N	\$ 314.00	\$ 229.22
Fiber Optic Jumpers - Table A1				
3EM23272AA	KIT SUPPORT FOR 3 CORDS N/QMA IDU	N	\$ 16.00	\$ 11.68
3EM23311AA	N Jack Bulkhead to QMA Plug (14 inch)	N	\$ 69.30	\$ 50.59
3EM23311AB	N Jack Bulkhead to QMA Plug (108 inch)	N	\$ 442.00	\$ 322.66
1AB388100001	SMA to QMA Adaptor	N	\$ 180.00	\$ 131.40
1AC014320002	Coaxial Cable LMR-400 FR - price per foot	N	\$ 2.00	\$ 1.46
357-9194-000	STRAIGHT MALE N MALE N COAXIAL Barrel	N	\$ 30.00	\$ 21.90
1AB095530045	Connector N PPC Straight Male	N	\$ 36.00	\$ 26.28
1AB095530044	Connector N PPC Right Angle Male	N	\$ 59.00	\$ 43.07
1AB095530046	Connector N PPC Straight Female	N	\$ 36.00	\$ 26.28
1AB383930001	Compression Tool for PPC	N	\$ 747.00	\$ 545.31
1AB350440001	LMR grounding kit	N	\$ 60.00	\$ 43.80
3CC50015AA	LIGHTNING ARREST 9913 INU/IDU&ODU ARREST	N	\$ 232.00	\$ 169.36
3CC50030AA	Single Lightning Arrest Kit	N	\$ 116.00	\$ 84.68
3CC50029AA	Single Lightning Arrest Bracket	N	\$ 10.00	\$ 7.30
Fiber Optic Jumpers - Table A1				
3EM07641AC	Fiber Optic Jumper Cable, LC to LC, 3 meter, multi mode	N	\$ 200.00	\$ 146.00
3EM07641AD	Fiber Optic Jumper Cable, LC to LC, 5 meter, multi mode	N	\$ 200.00	\$ 146.00
3EM07641AE	Fiber Optic Jumper Cable, LC to LC, 10 meter, multi mode	N	\$ 200.00	\$ 146.00
3EM07646AC	Fiber Optic Jumper Cable, LC to SC, 3 meter, multi mode	N	\$ 200.00	\$ 146.00
3EM07646AD	Fiber Optic Jumper Cable, LC to SC, 5 meter, multi mode	N	\$ 200.00	\$ 146.00
3EM07646AE	Fiber Optic Jumper Cable, LC to SC, 10 meter, multi mode	N	\$ 200.00	\$ 146.00



**NOKIA**

The 9500 MPR Family				
Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
3EM07651AC	Fiber Optic Jumper Cable, LC to FC, 3 meter, multi mode	N	\$ 200.00	\$ 146.00
3EM07651AD	Fiber Optic Jumper Cable, LC to FC, 5 meter, multi mode	N	\$ 200.00	\$ 146.00
3EM07651AE	Fiber Optic Jumper Cable, LC to FC, 10 meter, multi mode	N	\$ 200.00	\$ 146.00
3EM07641AH	Fiber Optic Jumper Cable, LC to LC, 3 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07641AJ	Fiber Optic Jumper Cable, LC to LC, 5 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07641AK	Fiber Optic Jumper Cable, LC to LC, 10 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07646AH	Fiber Optic Jumper Cable, LC to SC, 3 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07646AJ	Fiber Optic Jumper Cable, LC to SC, 5 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07646AK	Fiber Optic Jumper Cable, LC to SC, 10 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07651AH	Fiber Optic Jumper Cable, LC to FC, 3 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07651AJ	Fiber Optic Jumper Cable, LC to FC, 5 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07651AK	Fiber Optic Jumper Cable, LC to FC, 10 meter, single mode	N	\$ 200.00	\$ 146.00

**NOKIA**

The 9500 MPR Family				
Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
	Accessories			
3EM16790RA	VoIP OrderWire, -48Vdc	N	\$ 5,558.00	\$ 4,057.34
3EM16790RB	VoIP Orderwire Dual -48V Offnet	N	\$ 7,178.00	\$ 5,239.94

END of 9500 MPR Family Price Catalog

DC Plant				
Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
1AF29973AAA	Shelf, 240759, 19", No Rack 2-40amp HE Rectifier	N	\$ 5,426.40	\$ 4,612.44
1AF29974AAA	Shelf, 240766, 23", No Rack 2-40amp HE Rectifier	N	\$ 5,426.40	\$ 4,612.44
1AF06633AAA	Bay, 240776, 7' Rack, 19", 2-40amp HE Rectifier	N	\$ 6,355.20	\$ 5,401.92
1AF06314ABA	Bay, 240782, 7' Rack, 23", 2-40amp HE Rectifier	N	\$ 5,296.00	\$ 4,501.60
1AF17590AAA	Smartpack WEB/SNMP Elitek 242100.118	N	\$ 648.00	\$ 550.80
409097698	HE Rectifier, 241115.105, 42amp, FP2 HE	Y	\$ 700.00	\$ 595.00
1AF06632AAA	Blank Panel for Empty Rectifier Slots	N	\$ 28.80	\$ 24.48
409108727	Battery Tray 19", Heavy Duty Elitek 217035 If Loose or additional trays are required	N	\$ 288.00	\$ 244.80
409077419	BATTERY TRAY 23" HEAVY DUTY Elitek 504880 If Loose or additional trays are required	N	\$ 458.00	\$ 389.30
409072048	Battery Cable #1 125A with connectors If one battery and tray is required	N	\$ 156.75	\$ 133.24
409072030	Battery Cable #2 125A with connectors If second battery and tray is required Elitek 503852	N	\$ 136.79	\$ 116.27
409108735	Battery Cable #4 125A with connectors, 6.5", 1/4 Lugs If 3rd and 4th battery and tray is required Elitek 503850	N	\$ 114.00	\$ 96.90
1AB346630001	100A Battery Breaker Order 1 per additional battery tray and Cable ordered	N	\$ 36.00	\$ 30.60
409077393	19" standard Relay rack	N	\$ 504.00	\$ 428.40
409116183	23" standard Relay rack	N	\$ 516.00	\$ 438.60
1AF29975AAA	19" Zone 4 seismic Relay rack	N	\$ 3,199.68	\$ 2,719.73
408917870	23" Zone 4 seismic Relay rack	N	\$ 1,054.00	\$ 895.90
409108768	Batt Shield, 19W X 27.25"D X 6" Rail	N	\$ 156.00	\$ 132.60
409071925	AC Line Cord 12' 14awg 5-15P	N	\$ 45.00	\$ 38.25
1AF29422AAA	Battery Plant, 48V, Enersys 12HX205 45AH 10Yr	N	\$ 1,008.00	\$ 856.80
1AF29423AAA	Battery Plant, 48V, Enersys 12HX300 70AH Top Terminal 10Yr	N	\$ 1,200.00	\$ 1,020.00
1AF29425AAA	BATTERY LEAD-ACID, 48VE95, 48 V, 320 LB, 96AH, (4) 12 VOLT BATTERIES	N	\$ 1,593.60	\$ 1,354.56
1AF29426AAA	Battery Plant, 48V, Enersys 12HX540 125AH Top Terminal 10Yr	N	\$ 2,140.80	\$ 1,819.68
409071768	Battery Plant, 48V, Enersys 12V92F 92AH Front Terminal 10Yr	N	\$ 2,169.60	\$ 1,844.16
409071776	Battery Plant, 48V, Enersys 48V125F 125AH Front Terminal 10Yr	N	\$ 1,760.00	\$ 1,496.00
409073962	Battery Plant, 48V, Enersys 2DDmP50-09 200AH 20yr	N	\$ 9,600.00	\$ 8,160.00
409074036	Battery Plant, 48V, Enersys 2DDmP85-27 1105AH 20yr	N	\$ 28,944.00	\$ 24,602.40

End of Customer Specific



**9500 MPR  
MPT-HC / MPR-a INTEGRATED ANTENNAS FROM RFS**

Freq Band (GHz)	Part Number	Model Number	Freq Range (GHz)	MSPCS MSRP	MSPCS Unit Price	Notes
5.8	10038562	SB2-57AMPT	5725 - 5850	\$ 2,500.00	\$ 1,125.00	
6	10038135	SC3-W60AMPT	5925 - 7125	\$ 2,250.00	\$ 1,012.50	
	10042012	SCX3-W60AMPT	5925 - 7125	\$ 2,365.00	\$ 1,064.25	
	10044144	SB4-W60DMPT	5925 - 7125	\$ 4,543.00	\$ 2,044.35	
	10044581	SBX4-W60DMPT	5925 - 7125	\$ 4,990.00	\$ 2,245.50	
	10041047	SB6-W60CMPT	5925 - 7125	\$ 9,790.00	\$ 4,405.50	
	10041951	SBX6-W60CMPT	5925 - 7125	\$ 8,750.00	\$ 3,937.50	
11	10039091	SC2-W100BMPT	10000 - 11700	\$ 1,415.00	\$ 636.75	
	10039144	SCX2-W100BMPT	10000 - 11700	\$ 1,555.00	\$ 699.75	
	10038136	SC3-W100AMPT	10700 - 11700	\$ 1,950.00	\$ 877.50	
	10039907	SCX3-W100AMPT	10000 - 11700	\$ 2,050.00	\$ 922.50	
	10044145	SB4-W100DMPT	10000 - 11700	\$ 4,450.00	\$ 2,002.50	
	10044601	SBX4-W100DMPT	10000 - 11700	\$ 4,675.00	\$ 2,103.75	
	10041049	SB6-W100CMPT	10000 - 11700	\$ 8,635.00	\$ 3,885.75	
	10041952	SBX6-W100CMPT	10000 - 11700	\$ 10,260.00	\$ 4,617.00	
15	10039702	SB1-142CMPT	14200 - 15350	\$ 965.00	\$ 434.25	
	10039093	SC2-142BMPT	14200 - 15350	\$ 1,240.00	\$ 558.00	
	10039147	SCX2-142BMPT	14200 - 15350	\$ 1,305.00	\$ 587.25	
	10038138	SC3-142AMPT	14200 - 15350	\$ 1,950.00	\$ 877.50	
	10039909	SCX3-142AMPT	14200 - 15350	\$ 3,633.00	\$ 1,634.85	
	10044147	SB4-142DMPT	14200 - 15350	\$ 3,934.00	\$ 1,770.30	
	10044603	SBX4-142DMPT	14200 - 15350	\$ 4,326.00	\$ 1,946.70	
	10041061	SB6-142CMPT	14200 - 15350	\$ 7,644.00	\$ 3,439.80	
10041953	SBX6-142CMPT	14200 - 15350	\$ 8,390.00	\$ 3,775.50		
18	10039703	SB1-190CMPT	17700 - 19700	\$ 965.00	\$ 434.25	
	10039800	SBX1-190CMPT	17700 - 19700	\$ 1,015.00	\$ 456.75	
	10039094	SC2-190BMPT	17700 - 19700	\$ 1,240.00	\$ 558.00	
	10039148	SCX2-190BMPT	17700 - 19700	\$ 1,305.00	\$ 587.25	
	10038139	SC3-190AMPT	17700 - 19700	\$ 1,950.00	\$ 877.50	
	10039910	SCX3-190AMPT	17700 - 19700	\$ 2,050.00	\$ 922.50	
	10044148	SB4-190DMPT	17700 - 19700	\$ 3,935.00	\$ 1,770.75	
	10044604	SBX4-190DMPT	17700 - 19700	\$ 4,325.00	\$ 1,946.25	
	10041062	SB6-190CMPT	17700 - 19700	\$ 7,645.00	\$ 3,440.25	
	10041954	SBX6-190CMPT	17700 - 19700	\$ 7,995.00	\$ 3,597.75	
23	10039350	SB1-220CMPT	21200 - 23600	\$ 965.00	\$ 434.25	
	10039801	SBX1-220CMPT	21200 - 23600	\$ 1,015.00	\$ 456.75	
	10039095	SC2-220BMPT	21200 - 23600	\$ 1,240.00	\$ 558.00	
	10039150	SCX2-220BMPT	21200 - 23600	\$ 1,305.00	\$ 587.25	
	10038150	SC3-220AMPT	21200 - 23600	\$ 1,950.00	\$ 877.50	
	10039911	SCX3-220AMPT	21200 - 23600	\$ 2,050.00	\$ 922.50	
	10044149	SB4-220DMPT	21200 - 23600	\$ 3,934.00	\$ 1,770.30	
	10044605	SBX4-220DMPT	21200 - 23600	\$ 4,325.00	\$ 1,946.25	
38	10039707	SB1-380CMPT	37000 - 39500	\$ 966.00	\$ 434.70	
	10039805	SBX1-380CMPT	37000 - 39500	\$ 1,015.00	\$ 456.75	
	10039099	SC2-380BMPT	37000 - 39500	\$ 1,080.00	\$ 486.00	
	10039155	SCX2-380BMPT	37000 - 39500	\$ 1,305.00	\$ 587.25	

END of RFS DM MPT-HC Antenna Price Catalog

9500 MPR NON-INTEGRATED ANTENNA SYSTEMS				
Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
<b>Microwave Antennas</b>				
10032048	UXA2-190CB1S1 17.7-19.7 GHz	N	\$3,944.99	\$1,775.25
10032174	SUX6-107BC1S1 10.7-11.7GHZ	N	\$12,595.66	\$5,668.05
10032192	DA6-W57BC1S1 5.725-6.875	N	\$11,254.53	\$5,064.54
10032195	UXA2-220CB1S1 21.2-23.6 GHz	N	\$3,944.99	\$1,775.25
10032475	UXA6-65BC1S1 6.425-7.125 GHz	N	\$15,357.02	\$6,910.66
37200022	SU3-107BFC1SG 10.7-11.7GHz	N	\$7,420.00	\$3,339.00
10044186	SB4-W100DC - 4' Hi Perf, CPR90G, Single Pol Ant., Includes Radome, 1 strut	N	\$4,914.98	\$2,211.74
10034490	DA8-107AC4S1 10.7-11.7GHz	N	\$15,434.44	\$6,945.50
10032194	UXA2-142CB	N	\$3,944.99	\$1,775.25
10036040	SBX1-190CB	N	\$1,570.52	\$706.73
10036041	SBX1-220CB	N	\$1,570.52	\$706.73
10036115	SPF2-52CN1S 5.25-5.85 GHz	N	\$1,908.20	\$858.69
10036174	PADX6-W57AC1S 5.725-6.875	N	\$8,320.48	\$3,744.22
10036176	PADX8-W57AC1S 5.725-6.425	N	\$11,695.53	\$5,262.99
10036178	PADX10-W57AC1S 5.725-6.875	N	\$15,745.52	\$7,085.48
10036307	SUX3-107BFC1SG	N	\$7,385.00	\$3,323.25
10037161	UXA6-W57AC 5.725-6.875 GHz	N	\$15,507.03	\$6,978.16
10037162	UXA8-W57AC 5.725-6.875 GHz	N	\$20,149.99	\$9,067.50
10037163	UXA10-W57AC 5.725-6.875 GHz	N	\$23,400.02	\$10,530.01
10037325	SU6-107BC1SG	N	\$12,400.01	\$5,580.00
10038090	UXA6-U57AC 5.725-7.125 GHz	N	\$17,095.47	\$7,692.96
10038091	UXA8-U57AC 5.725-7.125 GHz	N	\$23,845.50	\$10,730.48
10038092	UXA10-U57AC 5.725-7.125 GHz	N	\$28,345.52	\$12,755.48
10038093	PADX6-U57AC 5.725-7.125 GHz	N	\$8,770.51	\$3,946.73
10038094	PADX8-U57AC 5.725-7.125 GHz	N	\$13,045.48	\$5,870.47
10038095	PADX10-U57AC 5.725-7.125 GHz	N	\$16,195.48	\$7,287.97
10038464	UXA6-U57AC1SG 5.725-7.125 GHz	N	\$18,445.49	\$8,300.47
10038465	UXA8-U57AC1SG 5.725-7.125 GHz	N	\$25,259.99	\$11,367.00
10038466	UXA10-U57AC1SG 5.725-7.125 GHz	N	\$30,145.50	\$13,565.48
10038933	UXA6-W57AC1SG	N	\$17,995.53	\$8,097.99
10038950	UXA8-W57AC1SG	N	\$24,970.47	\$11,236.71
10038951	UXA8-59BC1SG	N	\$24,070.48	\$10,831.72
10039174	SC2-190BB	N	\$1,345.47	\$605.46
10039175	SC2-220BB	N	\$1,345.47	\$605.46
10039191	SCX2-190BB	N	\$2,020.48	\$909.22
10039192	SCX2-220BB	N	\$2,020.48	\$909.22
10039278	SC2-190BSTX	N	\$1,126.16	\$506.77
10039323	SCX2-W100BC	N	\$2,675.75	\$1,204.09
10039504	SC3-190AB	N	\$2,069.97	\$931.49
10039507	SC3-190ASTX	N	\$3,310.02	\$1,489.51
10039524	SC3-220ASTX	N	\$3,310.02	\$1,489.51
10039527	SCX3-190AB	N	\$2,740.50	\$1,233.23
10039528	SCX3-220AB	N	\$2,740.50	\$1,233.23
10039792	SB1-220CSTX	N	\$965.02	\$434.26
10039824	SB1-190CB	N	\$895.51	\$402.98
10039825	SB1-220CB	N	\$895.51	\$402.98
10039950	SCX3-W100AC	N	\$2,655.03	\$1,194.76
10039985	SC3-W100AC	N	\$2,205.00	\$992.25
10039986	SC2-W100BC	N	\$1,660.47	\$747.21
10041443	SCX3-W100AC8	N	\$3,500.98	\$1,575.44
10042010	SC3-W60AC	N	\$2,565.01	\$1,154.25
10042011	SCX3-W60AC	N	\$3,150.00	\$1,417.50
37200021	SPF3-52CN1S 5.25-5.85 GHz	N	\$2,820.02	\$1,269.01
37300096	SPF4-52CN1S 5.25-5.85 GHz	N	\$3,524.99	\$1,586.25
37400110	PAD6-59BC1S 5.925-6.425	N	\$5,557.86	\$2,501.04
37400111	PAD6-65BC1S 6.425-7.125GHz	N	\$5,557.86	\$2,501.04
37400112	SPF6-52CN1S 5.25-5.85 GHz	N	\$4,695.32	\$2,112.89
37400121	PAD6-W57BC1S 5.725-6.875	N	\$5,902.40	\$2,656.08
37400125	PADX6-107BC1S 10.7-11.7GHZ	N	\$7,420.49	\$3,339.22
37400130	UXA6-W59BC1S1 5.925-6.875	N	\$16,195.48	\$7,287.97
37400137	PAD6-107BC1S 10.7-11.7 GHz	N	\$5,557.86	\$2,501.04
37500025	UXA8-W59AC1S1 5.925-6.875	N	\$19,444.53	\$8,750.04
37500030	PAD8-W57AC1S 5.725-6.875 GHz	N	\$8,474.62	\$3,813.58
37500031	PAD8-59AC1S 5.925-6.425GHz	N	\$8,245.02	\$3,710.26
37500033	PAD8-65AC1S 6.425-7.125GHz	N	\$8,245.02	\$3,710.26
37500035	PAD8-107AC1S 10.7-11.7 GHz	N	\$8,245.02	\$3,710.26
37500040	PADX8-107AC1S 10.7-11.7GHz	N	\$11,115.79	\$5,002.11
37500064	UXA8-107AC1SG 10.7-11.7GHz	N	\$24,070.97	\$10,831.94
37600032	PAD10-59AC1S 5.925-6.425	N	\$11,827.69	\$5,322.46
37600033	PAD10-65AC1S 6.425-7.125	N	\$11,827.69	\$5,322.46
37600037	PAD10-W57AC1 5.725-6.875	N	\$12,057.43	\$5,425.84

9500 MPR NON-INTEGRATED ANTENNA SYSTEMS				
Part No	Description	Spare	MPSGS MSRP	MPSGS Unit Price
37600039	PADX10-107AC1S1 10.7-11.7	N	\$14,675.64	\$6,604.04
37600055	UXA10-W59AC1S1 5.925-6.875	N	\$23,400.02	\$10,530.01
37700040	UXA12-W59AC1S1 5.925-6.875	N	\$31,870.51	\$14,341.73
MA0528-23AN	PANEL 23 DBI 5.25-5.825GHZ	N	\$1,410.01	\$634.50
MA0528-28AN-W	PANEL 28 DBI 5.25-5.825GHZ	N	\$1,974.00	\$888.30
10036116	SPF2-52CN1S1R 5.25-5.85GHZ	N	\$2,883.44	\$1,297.55
10039985	SC3-W100AC	N	\$2,205.00	\$992.25
Microwave Antennas, Radome and Sway Bar Kits (1 Strut)				
10015299	UXA10-65AC1S1 6.425-7.125	N	\$23,387.98	\$10,524.59
37400143	DA6-59ACSQIT 5.925-6.425 GHz (TEFLON) - (high wind/high ice)	N	\$18,140.01	\$8,163.00
37500103	DA8-59ACSQIT 5.925-6.425GHz (TEFLON)	N	\$26,545.47	\$11,945.46
10025486	DA8-59AC1S1 5.925-6.425 GHz	N	\$13,772.99	\$6,197.85
10025490	UA8-59AC1S1 5.925-6.425GHz	N	\$15,813.00	\$7,115.85
10025500	DAX8-59AC1S1 5.925-6.425 GHz	N	\$14,520.03	\$6,534.01
10036822	UXA6-59BC1S1	N	\$15,357.02	\$6,910.66
10036823	UXA8-59BC1S1	N	\$19,294.52	\$8,682.53
10036824	UXA10-59BC1S1	N	\$23,387.98	\$10,524.59
37400085	PAD6-65BC1S1R	N	\$7,762.72	\$3,493.22
37500068	PAD8-65AC1S1R	N	\$11,393.34	\$5,127.00
10025520	DA8-65AC1S1 6.425-7.125 GHz	N	\$13,772.99	\$6,197.85
10025523	UA8-65AC1S1 6.425-7.125GHz	N	\$18,785.83	\$8,453.62
10025533	DAX8-65AC1S1 6.425-7.125 GHz	N	\$16,645.51	\$7,490.48
37500102	DAX8-65ACSQIT 6.425-7.125GHz (TEFLON)	N	\$27,895.49	\$20,921.62
10025535	UXA8-65AC1S1 6.425-7.125 GHz	N	\$19,294.52	\$8,682.53
37400145	SUX6-65ACSQIT 6.425-7.125G (TEFLON)	N	\$27,034.98	\$12,165.74
37400138	PAD6-107BC1S1R 10.7-11.7 GHZ	N	\$7,762.72	\$3,493.22
37500056	PAD8-107AC1S1 10.7-11.7 GHZ	N	\$11,393.34	\$5,127.00
10025548	DA8-107AC1S1 10.7-11.7 GHz	N	\$13,773.34	\$6,198.00
10033994	DA10-107AC2S1 10.7-11.7GHZ	N	\$15,295.49	\$6,882.97
10031452	UXA6-107BC1SG	N	\$17,095.47	\$7,692.96
10031625	UXA6-107BC1S1 10.7-11.7GHZ	N	\$15,351.00	\$6,907.95
10031862	SU6-107BC1S1 10.7-11.7 GHZ	N	\$9,410.03	\$4,234.51
10025551	UXA8-107AC1S1 10.7-11.7GHZ	N	\$19,294.52	\$8,682.53
10025552	DAX8-107AC1S1 10.7-11.7GHZ	N	\$14,520.03	\$6,534.01
37400068	PAD6-W57BC1S1R 5.725-6.875	N	\$8,107.19	\$3,648.24
37500057	PAD8-W57AC1S1R 5.725-6.875	N	\$12,595.52	\$5,667.98
10025668	DA10-59AC1S1 5.925-6.425 GHz	N	\$17,499.02	\$7,874.56
10025673	DA10-65AC1S1 6.425-7.125 GHz	N	\$17,499.02	\$7,874.56
10025679	DA10-107AC1S1 10.7-11.7 GHz	N	\$25,894.82	\$11,652.67
10025683	DA12-65AC1S1 6.425-7.125 GHz	N	\$13,923.00	\$6,265.35
10027421	DA8-W71AC1S1 7.125-8.5 GHZ	N	\$19,795.51	\$8,907.98
10027481	DA10-W71AC1S1 7.125-8.5GHZ	N	\$25,895.03	\$11,652.76
10027913	DA12-59AC1S1 5.925-6.425 GHz	N	\$5,945.52	\$2,675.48
37300098	PA4-W57BC1S1R 5.725-6.875GHZ	N	\$13,923.00	\$6,265.35
10027932	DA8-W57AC1S1 5.725-6.875	N	\$18,916.52	\$8,512.43
10027937	DAX10-59AC1S1 5.925-6.425 GHz	N	\$18,916.52	\$8,512.43
10027938	DAX10-65AC1S1 6.425-7.125	N	\$23,387.98	\$10,524.59
10028076	UXA10-107AC1S1 10.7-11.7	N	\$8,095.50	\$3,642.98
10044368	SU4-107DB	N	\$8,095.50	\$3,642.98
10044370	SU4-107DD	N	\$8,095.50	\$3,642.98
10044372	SU4-107DC	N	\$9,220.47	\$4,149.21
10045206	SU4-107DC1SG	N	\$8,680.49	\$3,906.22
10045212	SU4-107DC2	N	\$9,445.52	\$4,250.48
10045242	SU4-107DC1S1T	N	\$9,410.03	\$4,234.51
10030666	SU6-107BB1S1	N	\$17,250.03	\$7,762.51
10034124	SU6-107BC2S1 10.7-11.7 GHz	N	\$12,779.97	\$5,750.99
10030667	SUX6-107BB1S1	N	\$8,995.49	\$4,047.97
10041177	SB6-W60CC	N	\$8,700.02	\$3,915.01
10041227	SBX6-190CB	N	\$15,745.52	\$7,085.48
10030681	UXA6-190BB	N	\$15,357.02	\$6,910.66
10030822	UXA6-107BD1S1 10.7-11.7 GHz	N	\$15,357.02	\$6,910.66
10031083	UXA6-65BD1S1 6.425-7.125 GHz	N	\$15,591.94	\$7,016.37
10036067	SUX6-107BC1S1T 10.7-11.7 GHz (Teflon)	N	\$18,895.52	\$8,502.98
10038411	DA8-107AC1S1T 10.7-11.7 GHz (Teflon)	N	\$18,445.49	\$8,300.47
10038430	UXA6-107BC1S1T 10.7-11.7 GHz (Teflon)	N	\$26,095.51	\$11,742.98
10038431	UXA8-107AC1S1T 10.7-11.7 GHz (Teflon)	N	\$12,712.00	\$5,720.40
37400176	SU6-107BC1S1T 10.7-11.7GHZ (Teflon)	N	\$10,345.51	\$4,655.48
10038096	PADX6-U57AC1S1R 5.725-7.125	N	\$15,295.49	\$6,882.97
10038097	PADX8-U57AC1S1R 5.725-7.125	N	\$20,245.47	\$9,110.46
10038098	PADX10-U57AC1S1R 5.725-7.125	N	\$11,695.53	\$5,262.99
10038461	PADX6-U57AC1SGR 5.725-7.125A	N		

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Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
10038462	PADX8-U57AC1SGR 5.725-7.125	N	\$16,870.49	\$7,591.72
10038463	PADX10-U57AC1S1R 5.725-7	N	\$22,045.52	\$9,920.48
37400140	PAD6-59BC1S1R	N	\$7,762.72	\$3,493.22
37500055	PAD8-59AC1S1R	N	\$11,393.34	\$5,127.00
37600051	PAD10-59AC1S1R	N	\$16,442.30	\$7,399.04
37400182	PAD6-59BC1SGR 5.925-6.425GHZ (GRAY)	N	\$8,445.52	\$3,800.48
PAD6-W59BC1S	PAD6-W59BC1S 5.925-6.875	N	\$6,520.50	\$2,934.23
37400102	PAD6-W59BC7S1R	N	\$8,860.53	\$3,987.24
37500124	PAD8-59AC1SGR 5.925-6.425GHZ (GRAY)	N	\$13,413.40	\$6,036.03
37400161	PAD6-65BC1SGR	N	\$9,445.52	\$4,250.48
37400155	PADX6-W59BC1S1R	N	\$9,445.52	\$4,250.48
37400154	PADX6-W59BC	N	\$7,870.52	\$3,541.73
10043090	PADX6-W59BC7S1R	N	\$10,210.48	\$4,594.72
37400201	PAD6-W57BC1SGR	N	\$9,445.52	\$4,250.48
37400208	PADX6-107BB1S1R	N	\$8,995.49	\$4,047.97
37500130	PADX8-W59AC1S1R	N	\$14,395.50	\$6,477.98
37500133	PAD8-65AC1SGR	N	\$13,405.21	\$6,032.34
10036175	PADX6-W57AC1S1R	N	\$9,445.52	\$4,250.48
10038010	PADX6-W57AC1SGR 5.725-6.875 GHz	N	\$11,245.50	\$5,060.48
10036177	PADX8-W57AC1S1R	N	\$14,845.53	\$6,680.49
10038119	PADX8-W57AC1SGR	N	\$16,420.53	\$7,389.24
10036179	PADX10-W57AC1S1R	N	\$19,795.51	\$8,907.98
10036470	PADX6-107BC1S1R	N	\$10,075.52	\$4,533.98
10031320	UXA6-220BB	N	\$15,357.02	\$6,910.66
37300099	SPF4-52CN1S1R 5.25-5.85GHz	N	\$5,040.77	\$2,268.35
37400113	SPF6-52CN1S1R 5.25-5.85GHz	N	\$7,199.99	\$3,240.00
<b>Microwave Antennas, Radome and Sway Bar Kits (2 Struts)</b>				
37400097	PAD6-W57BC7S1R	N	\$8,860.53	\$3,987.24
37600066	PAD10-59AC7S1R	N	\$17,162.88	\$7,723.30
37500079	PAD8-W57AC7S1R	N	\$11,902.94	\$5,356.32
37500082	PAD8-59AC7S1R	N	\$12,350.38	\$5,557.67
10036350	SU6-107BC7S1	N	\$10,468.36	\$4,710.76
37400100	PAD6-59BC7S1R	N	\$8,747.83	\$3,936.52
10036722	PAD6-65BC7S1R	N	\$7,285.53	\$3,278.49
10036753	PADX6-W57AC7S1R	N	\$10,660.51	\$4,797.23
10036754	PADX8-W57AC7S1R	N	\$15,700.51	\$7,065.23
10038203	PADX6-W57AC7SGR (GRAY)	N	\$12,460.49	\$5,607.22
10038202	PADX8-W57AC7SGR (GRAY)	N	\$17,275.51	\$7,773.98
10038231	PADX6-U57AC7S1R	N	\$11,110.47	\$4,999.71
10038232	PADX8-U57AC7S1R	N	\$16,150.47	\$7,267.71
10038233	PADX10-U57AC7S1R	N	\$21,100.52	\$9,495.23
37600094	PAD10-W57AC7S1R	N	\$17,945.48	\$8,075.47
10039071	PADX10-W57AC7SGR	N	\$22,450.47	\$10,102.71
10036663	PAD10-65AC7S1R	N	\$17,502.03	\$7,875.91
10037381	UXA6-W57AC7S1	N	\$17,129.49	\$7,708.27
10037382	UXA8-W57AC7S1	N	\$21,260.26	\$9,567.12
10037383	UXA10-W57AC7S1	N	\$25,358.69	\$11,411.41
10038274	UXA6-U57AC7S1	N	\$17,860.50	\$8,037.23
10038276	UXA8-U57AC7S1	N	\$24,700.48	\$11,115.22
10036720	UXA6-W59BC7S1	N	\$16,565.43	\$7,454.44
10036721	UXA8-W59AC7S1	N	\$20,551.93	\$9,248.37
37600089	UXA8-107AC7SG 10.7-11.7GHZ	N	\$24,925.53	\$11,216.49
10038201	SUX3-107BFC7SG 10.7-11 (GRAY)	N	\$8,277.99	\$3,725.10
37400100	ANT/RAD/SWAY BAR KIT PAD6-59BC7S1R	N	\$8,747.85	\$3,936.53
37500082	ANT/RAD/SWAY BAR KIT PAD8-59AC7S1R	N	\$12,350.40	\$5,557.68
<b>Radomes and Sway Kits</b>				
10011400	Kit Sway Bar 4ft SL (SMA-WK-4) SB	N	\$580.51	\$435.38
10031054	Kit Sway Bar 6ft ReFl (SMA-SK-60-2000A)	N	\$760.48	\$570.36
10031053	Kit Sway Bar 8-12ft ReFl (SMA-SK-60-3000A)	N	\$850.50	\$637.88
310770-003-W	4ft Unheated Radome, Fiberglass (white) (310770-003) - non-shrouded antennas such as PAD, SPF, PA	N	\$1,515.78	\$1,136.84
311793-003-W	6ft Unheated Radome, Fiberglass (white deep) (311793-003) - PAD6s ONLY (use 310771-003-W non-shrouded antennas su	N	\$2,228.59	\$1,671.44
310772-003-W	8ft Unheated Radome, Fiberglass (white) (310772-003) - non-shrouded antennas such as PAD, SPF, PA	N	\$3,290.00	\$2,467.50
310773-003-W	10ft Unheated Radome, Fiberglass (white) (310773-003) - non-shrouded antennas such as PAD, SPF, PA	N	\$4,822.23	\$3,616.67
310774-003-W	12ft Unheated Radome, Fiberglass (white) (310774-003) - non-shrouded antennas	N	\$8,765.54	\$6,574.16
10041020	KIT ADDITIONAL SWAY-BAR SC3 SMA-SK-3	N	\$445.50	\$334.13
10042784	SWAYBAR/TOWER KIT SMA-SKO-UNIVERSAL	N	\$220.50	\$165.38
10031053	KIT SWAY BAR 8-12FT REFL	N	\$850.50	\$637.88
<b>Dehydrator and Manifolds</b>				
10042202	APD20-D-35XH0R00S0 , 120v, Lo psi, no purge, < 7800' 6-12OHZ	N	\$4,725.00	\$3,543.75

**9500 MPR  
NON-INTEGRATED ANTENNA SYSTEMS**

Part No	Description	Space	MPCS MSRP	MPCS Unit Price
20040835	Dehydrator Wall Shelf for APD20 (20040835)	N	\$292.53	\$219.40
920202-W	Gas Distribution Manifold, 2 Port, 0-15PSIG (920202)	N	\$607.53	\$455.65
920204-W	Gas Distribution Manifold, 4 Port, 0-15PSIG (920204)	N	\$879.97	\$659.98
920206-W	Gas Distribution Manifold, 6 Port, 0-15PSIG (920206)	N	\$1,134.00	\$850.50
920208-W	Gas Distribution Manifold, 8 Port, 0-15PSIG (920208)	N	\$1,484.98	\$1,113.74
10042194	APD20-D-35XH000S1	N	\$4,725.00	\$3,543.75
<b>Waveguide, Connectors and Associated Parts</b>				
810265-001	Standard Elliptical Waveguide, E60 (5.6 - 6.425 GHz)	N	\$33.95	\$25.46
810265-002	Premium Elliptical Waveguide, EP60 (5.6 - 6.425 GHz)	N	\$37.03	\$27.77
399269-101	Connector, Tunable / CPR137G (bottom) (C137-060TG)	N	\$809.55	\$607.16
399269-103	Connector, Non-Tunable / CPR137G (top) (C137-060FG)	N	\$809.55	\$607.16
HOIST1-158L	Hoisting Grip (HOIST1-158L) - Lace-up (LCF158,HCA158,E60,EP60,EP65)	N	\$83.72	\$62.79
921234-061	Grounding Kit - 60in wire, E60 (GKIT-60-060)	N	\$62.37	\$46.78
920981-003	Hanger Kit for E60 (CLAMP-060) (10 pack, bolt-on)	N	\$68.67	\$51.50
ANGLE-CLPI	Angle Member Adapter Kit, 3/8in Stainless Steel (ANGLE-CLPI) (10 pack)	N	\$166.67	\$125.00
CEIL12-51	Ceiling Adapter Kit, 12in (CEIL12-51, 514608-003) (5 pack) - waveguide only	N	\$85.68	\$64.26
920831	Wall/Roof Feed Thru E/EP60 (WFT-060) - 1 per boot	N	\$159.04	\$119.28
400108	Pressure Window (WPW-137EP) - mates to CPR137G	N	\$92.96	\$69.72
915663	4in Boot with 1 Hole for E60 (BOOT4-060)	N	\$133.91	\$100.43
815487-001	Standard Elliptical Waveguide E105 (10.0 - 11.7 GHz)	N	\$26.74	\$20.06
815487-002	Premium Elliptical Waveguide EP105 (10.0 - 11.7 GHz)	N	\$32.48	\$24.36
399503-101	Connector, Tunable (C90-105TG)	N	\$650.02	\$487.52
399503-103	Connector, Non-Tunable (top) (C90-105FG)	N	\$650.02	\$487.52
916533-108	Hoisting Grip (HOIST1-105L) - Lace-up (E105,E78)	N	\$39.13	\$29.35
921234-108	Grounding Kit - 60in wire, E105 (GKIT-60-105)	N	\$48.02	\$36.02
920981-007	Hanger Kit for E105, 7/8in coax (CLAMP-105) (10 pack, bolt-on)	N	\$45.22	\$33.92
920745	Wall/Roof Feed Thru E/EP105 - 1 per boot (WFT-105)	N	\$142.31	\$106.73
400130	Pressure Window (WPW-090EP) - mates to CPR90G	N	\$75.95	\$56.96
400124	2ft Twistflex (TF090-CC1-024) - CPR90G/CPR90G	N	\$864.99	\$648.74
915665	4in Boot with 1 Hole for E105 (BOOT4-105)	N	\$133.91	\$100.43
810261-001	Standard Elliptical Waveguide, E65 (5.9 - 7.125 GHz)	N	\$30.52	\$22.89
810261-002	Premium Elliptical Waveguide, EP65 (5.9 - 7.125 GHz)	N	\$31.22	\$23.42
399289-101	Connector, Tunable / CPR137G (C137-065TG)	N	\$809.55	\$607.16
399289-103	Connector, Non-Tunable (top) (C137-065FG)	N	\$809.55	\$607.16
921234-065	Grounding Kit - 60in wire, E65 (GKIT-60-065)	N	\$48.02	\$36.02
920738	Wall/Roof Feed Thru E/EP65 (WFT-065) - 1 per boot	N	\$159.04	\$119.28
915006-W	Hardware Kit, HDWK3/8-16X1, 3/8 - 16 x 1 bolt (915006) - 10 each lock washers, hex nuts and filister head screws	N	\$24.01	\$18.01
915751	4in Boot with 1 Hole for E65 (BOOT4-065)	N	\$133.91	\$100.43
810268-001	Standard Elliptical Waveguide, E185 (17.3 - 19.7 GHz)	N	\$19.88	\$14.91
810268-002	Premium Elliptical Waveguide, EP185 (17.3 - 19.7 GHz)	N	\$23.17	\$17.38
399422-101	Connector, Tunable (top and bottom) (the only turnable connector for this WG is UG flange, which mates with PBR220) (G)	N	\$720.02	\$540.02
921234-191	Grounding Kit, 60in wire, E185 (GKIT-60-185)	N	\$38.78	\$29.09
920981-010	Hanger Kit for E185 (CLAMP-185) (10 pack, bolt-on)	N	\$35.91	\$26.93
920726	Wall/Roof Feed Thru (WF-185) - 1 per boot	N	\$142.31	\$106.73
400184	Pressure Window (PW-BW220) PBR220/UBR220	N	\$232.89	\$174.67
915664	4in Boot with 1 Hole for E185 (BOOT4-185)	N	\$106.05	\$79.54
914791-W	Load Termination WR-90 / CPR90G Flange (91479)	N	\$749.98	\$562.49
915422-W	Load Termination WR-137 / CPR137G Flange (915422)	N	\$205.03	\$153.77
311370-W	Cover Plate kit WR-90 / CPR90G Flange (311370)	N	\$220.01	\$165.01
311372-W	Cover Plate kit WR-137 / CPR137G Flange (311372)	N	\$117.53	\$88.15
10037095	Cover Plate kit WR-42 / PBR220 or UBR220 Flange (10037095)	N	\$224.98	\$168.74
10037094	Cover Plate kit WR-90 / PDR100 or UDR100 Flange (10037094)	N	\$224.98	\$168.74
913412	CPR137G Flange Rebuild Kit (when reusing antennas OR waveguide) (used at end only) (913412)	N	\$62.02	\$46.52
913409	CPR90G Flange Rebuild Kit (when reusing antennas OR waveguide) (used at end only) (913409)	N	\$46.48	\$34.86
400108	Window Press Wpw-137ep	N	\$92.95	\$69.71
400130	Window Press Wpw-090ep	N	\$75.95	\$56.96
915663	Boot Assy 4in W/1 Hole E60	N	\$133.90	\$100.43
915665	Boot Assy 4in W/1 Hole E105	N	\$133.90	\$100.43
399269-101	Conn E/EP60 Cpr137g Gk Tune	N	\$39.55	\$29.36
399269-103	CONN E/EP60 CPR137G FG	N	\$809.55	\$607.16
399503-101	Conn E/EP105 Cpr90g Gk Tune	N	\$650.00	\$487.50
399503-103	CONN E/EP105 CPR90G FG	N	\$650.00	\$487.50
916533-108	Grip Hoisting E105 E78 Lace-Up	N	\$39.15	\$29.36
921234-061	Kit Gnd We61 Fld Std Lug 5ft	N	\$62.35	\$46.76
921234-108	Kit Gnd E105 Fld Instld	N	\$48.00	\$36.00
CEIL12-51	Kit Clg Adptr 514608-003 Qty 5	N	\$85.70	\$64.28
409081486	MTG-B1636 BRKT 0IN 0IN 0IN STL WOOD POL*	N	\$832.60	\$624.45
409081593	KIT-800250 ASSY MICROWAVE 4FT MICROWAVE	N	\$3,351.85	\$2,513.89
409081601	KIT-800251 ASSY MICROWAVE 6FT MICROWAVE	N	\$4,731.17	\$3,548.38
409081635	KIT-860117 ASSY MICROWAVE 31L-R5 PM FIT*	N	\$3,168.97	\$2,376.73
409082278	BRKT-B3255 MTG GALVD STL 0LB STRAP ON B*	N	\$50.25	\$37.69





**9500 MPR  
NON-INTEGRATED ANTENNA SYSTEMS**

Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
409108073	MNT-B1935 ANT 24IN	N	\$734.15	\$550.61
1AF03676ABAA	P472, Sch 40 4-1/2 OD x 72 pipe	N	\$585.60	\$439.20
1AF07352AFAA	Cellular Accessry, WRL100, 1/2 In Wraplock	N	\$249.60	\$187.20
1AF07352AGAA	Cellular Accessry, BU254, 25, 1/2 Inch Sta	N	\$55.35	\$41.51
1AF22298AAAA	Universal Ring Mnt LWRM for 12-45in pole	N	\$3,470.30	\$2,602.73
1AF26069AAAA	Plain-end Pipe, Galvanized, P4126	N	\$975.00	\$731.25
1AF28451AAAA	4"x4"x1/4"x20' Hot-Dip Galvanized Angle	N	\$1,364.35	\$1,023.26
409081619	KIT-800252 ASSY MICROWAVE 8FT MICROWAVE	N	\$5,967.99	\$4,475.99
810265-001	WG E60J 4.5-6.425 GHZ	N	\$24.25	\$18.19
815487-001	WG E105J 10.50-11.70GHZ	N	\$19.10	\$14.33
915006-W	Kit Hdw 3/8-16x1in	N	\$17.15	\$12.86
920202-W	Kit Gdm-2 Port 0-15psig	N	\$433.95	\$325.46
920204-W	Kit Gdm-4 Port 0-15psig	N	\$628.55	\$471.41
913723-W	Tube Poly 3/8 OD black 100ft	N	\$223.53	\$167.65
20040835	SHELF, WALL / RACK MOUNT, PAINTED	N	\$292.55	\$219.41
20036962	BASIC FEED 02-190 P2 BF 055 MM	N	\$750.00	\$562.50
30033358	TUBING, POLYURETHANE 3/8 OD X .245 (per ft)	N	\$9.00	\$6.75
<b>Twistflex, Hanger Kits and Accessories</b>				
916705-W	Twistflex hanger kit WR90 (916705)	N	\$139.51	\$104.63
1AF15840AAAA	Twistflex Hanger Kit WR42 (PBR220) - RFS does not have a 220 hanger - Andrew part: (244106A-220)	N	\$151.13	\$113.35
916933-W	Twistflex hanger kit WR137 (916933)	N	\$209.23	\$156.92
400015	3ft Twistflex (TF137-CC1-036I) - CPR137G/CPR137G	N	\$895.51	\$671.63
400125	3ft Twistflex (TF090-CC1-036I) - CPR90G/CPR90G	N	\$990.01	\$742.51
10038689	Twistflex Flexible Waveguide for Microwave Radio System, 11GHz, 1.2m TP R 220 PBR/UBR 18.0-26.5	N	\$494.97	\$371.23
400013	1ft Twistflex (TF137-CC1-012I) - CPR137G/CPR137G	N	\$790.51	\$592.88
916626	CLAMP SNAP-IN LCF158 Stack Kit 10 - HANGER, STACKABLE 1-5/8 10 KIT	N	\$70.00	\$52.50
HOIST2-L01	Hoisting Grip (HOIST2-L01) - Lace-up, 2 loop	N	\$210.56	\$157.92
400014	Twist Flex & Hdw TF24-137e	N	\$760.50	\$570.38
400124	Twist Flex & Hdw TF24-090ep	N	\$670.50	\$502.88
<b>Times Microwave Systems (TMS) LMR Parts and Accessories</b>				
1AC014320002	LMR400 (HS: 2 runs, NS: 1 run) + (if non-integ, dual pol and 2 channels: 2 runs) (TMS)	N	\$12.25	\$9.19
1AB095530045	PPC Connector (compression) - straight male (3 per LMR run) (TMS)	N	\$52.64	\$39.48
1AB095530046	PPC Connector (compression) - straight female (1 per LMR run) (TMS)	N	\$60.13	\$45.10
1AB383930001	PPC Compression Tool (1 per deployment) (TMS)	N	\$1,561.35	\$1,171.01
1AB350440001	LMR grounding kit (GKS400TT) (TMS)	N	\$210.49	\$157.87
<b>SitePro (Valmont) Ice Shields, Tieback Steel, Parts and Accessories</b>				
1AF28452AAAA	Valmont flat Ice Shield - 2ft (MIS24, xxxxxx)	N	\$1,584.45	\$1,188.34
409081593	Valmont flat Ice Shield - 4ft (ISMD4, 800250) ADD PIPE MOUNT	N	\$4,974.62	\$3,730.97
409081601	Valmont flat Ice Shield - 6ft (ISMD6, 800251) ADD PIPE MOUNT	N	\$6,623.61	\$4,967.71
409081619	Valmont flat Ice Shield - 8ft (ISMD8, 800252) ADD PIPE MOUNT AND WELDMENT	N	\$8,355.20	\$6,266.40
1AF19234AAAA	Valmont flat Ice Shield - 10ft (ISMD10, 800253) ADD PIPE MOUNT AND WELDMENT	N	\$10,114.09	\$7,585.57
409108073	Valmont Pipe Mount Extension weldment for Ice Shields (PME2, B1935)	N	\$1,027.81	\$770.86
1AF24588AAAA	Valmont ice shield KIT - 4ft (ISMD4-R5LL = 800250 (ice shield) + 409081365 (leg mount))	N	\$8,995.00	\$6,746.25
1AF24589AAAA	Valmont ice shield KIT - 6ft (ISMD6-R5LL = 800251 (ice shield) + 409081365 (leg mount))	N	\$11,025.00	\$8,268.75
1AF24587AAAA	Valmont ice shield KIT - 8ft (ISMD8-R5LL = 800252 (ice shield) + 409081365 (leg mount))	N	\$13,195.00	\$9,896.25
1AF24586AAAA	Valmont ice shield KIT - 10ft (ISMD10-R5LL = 800253 (ice shield) + 409081365 (leg mount))	N	\$15,715.00	\$11,786.25
1AF28451AAAA	Tieback Steel - Bulk Angle 4" X 4" X 1/4" x 20' (ANG414) - (1 per antenna)	N	\$1,910.09	\$1,432.57
<b>SitePro (Valmont) Misc. Microwave Parts and Accessories</b>				
409081510	LMR Cushion Hanger (4 hole) - (Valmont: B1676, SRLR44-K) - complete with clamp and clamp head (5 per package)	N	\$107.17	\$80.38
1AD173640001	BRL Cushion BC141X 1-5/8, 10@0.24, 10p (Valmont BC1410)	N	\$124.75	\$93.56
1AF25490ABAA	Angle Member Adapter Kit, 3/8in Stainless Steel (Valmont ADAP-O) (10 pack)	N	\$239.40	\$179.55
1AF19821AAAA	Cushion hangers - (4) 9.9mm and (5) 6.1mm barrel cushion that fits into 1.5/8in snap-in (Qty. 10) - (Valmont BC144384)	N	\$103.18	\$77.39

END of NON-INTEGRATED ANTENNA SYSTEMS Price Catalog

<b>TSM-8000 Network Management System</b>			
<b>Part No</b>	<b>Description</b>	<b>MPSCS MSRP</b>	<b>MPSCS Unit Price</b>
<b>TSM-8000 Fully Redundant Workstation Kit</b>			
3EM16790EP	Server Wkstn Kit, Win Server, 110 VAC	\$32,200	\$ 20,930.00
<b>TSM-8000 Single Client Workstation Kit</b>			
3EM16790BV	Single Client as Server Wkstn Kit, Win , 110 VAC	\$20,288	\$ 13,187.20
<b>TSM-8000 SNMP / TL1 Workstation Kit</b>			
3EM16790GW	Server Wkstn Kit, 1U, Win Server, 110 VAC	\$26,672	\$ 17,336.80
<b>TSM-8000 Server ONLY</b>			
3EM16790DH	Server workstation (rack mount) - with 17" LCD monitor, WIN Server OS 110 VAC	\$16,800	\$ 10,920.00
3EM16790DJ	Server workstation (rack mount) - with 17" LCD monitor, WIN Server OS 220 VAC	\$17,280	\$ 11,232.00
3EM16790GY	Server, 1U High (rack mount) SNMP Only, WIN Server OS 110 VAC	\$8,520	\$ 5,538.00
<b>SNMP Software</b>			
3EM16790BA	Server License, 24 NE Ltd, SNMP	\$15,300	\$ 9,945.00
3EM16790BB	Server License, 32 NE Ltd, SNMP	\$18,000	\$ 11,700.00
3EM16790BC	Server License, 64 NE Ltd, SNMP	\$30,000	\$ 19,500.00
3EM16790BD	Server License, 128 NE Ltd, SNMP	\$52,500	\$ 34,125.00
3EM16790FS	Server License, 256 NE Ltd, SNMP	\$69,750	\$ 45,337.50
3EM16790FM	Server License, 512 NE Ltd, SNMP	\$78,375	\$ 50,943.75
3EM16790BE	Server License, 1024 NE, SNMP	\$87,000	\$ 56,550.00
<b>MCS-11 + TL1 Software</b>			
3EM16790BF	Server License, 24 NE Ltd, MCS/TL1	\$15,300	\$ 9,945.00
3EM16790BG	Server License, 32 NE Ltd, MCS/TL1	\$16,500	\$ 10,725.00
3EM16790BH	Server License, 64 NE Ltd, MCS/TL1	\$19,500	\$ 12,675.00
3EM16790BJ	Server License, 128 NE Ltd, MCS/TL1	\$28,500	\$ 18,525.00
3EM16790FJ	Server License, 128 NE Ltd, MCS/TL1	\$69,750	\$ 45,337.50
3EM16790FU	Server License, 256 NE Ltd, MCS-11/TL1	\$78,375	\$ 50,943.75
3EM16790FP	Server License, 512 NE Ltd, MCS-11/TL1	\$52,500	\$ 34,125.00
3EM16790BK	Server License, 1024 NE, MCS-11/TL1		
<b>SNMP + MCS-11 + TL1 Software</b>			
3EM16790BL	Server License, 24 NE Ltd, SNMP/MCS/TL1	\$18,000	\$ 11,700.00
3EM16790BM	Server License, 32 NE Ltd, SNMP/MCS/TL1	\$35,000	\$ 22,750.00
3EM16790BN	Server License, 64 NE Ltd, SNMP & MCS/TL1	\$39,000	\$ 25,350.00
3EM16790BP	Server License, 128 NE Ltd, SNMP & MCS/TL1	\$66,000	\$ 42,900.00
3EM16790FT	Server License, 256 NE Ltd, SNMP & MCS/TL1	\$90,750	\$ 58,987.50
3EM16790FN	Server License, 512 NE Ltd, SNMP & MCS/TL1	\$103,125	\$ 67,031.25
3EM16790BQ	Server License, 1024 NE, SNMP & MCS/TL1	\$115,500	\$ 75,075.00
<b>SNMP Upgrade Pricing - From MCS-11+ TL1 to SNMP + MCS-11 + TL1</b>			
3EM16790CA	Client License and Software SNMP Upgrade	\$5,875	\$ 3,818.75
3EM16790CC	Server License Upgrade, 24 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$7,800	\$ 5,070.00
3EM16790CD	Server License Upgrade, 32 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$12,000	\$ 7,800.00
3EM16790CE	Server License Upgrade, 64 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$19,500	\$ 12,675.00
3EM16790CF	Server License Upgrade, 128 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$37,500	\$ 24,375.00
3EM16790FV	Server License Upgrade, 256 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$50,250	\$ 32,662.50
3EM16790FQ	Server License Upgrade, 512 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$56,625	\$ 36,806.25
3EM16790CG	Server License Upgrade, 1024 NE, MCS-11/TL1 to SNMP & MCS-11/TL1	\$63,000	\$ 40,950.00
<b>MCS-11+TL1 Upgrade Pricing - From SNMP Only to SNMP+ MC-11 + TL1</b>			
3EM16790CB	Client Log-in License, MCS-11/TL-1 Upgrade	\$5,875	\$ 3,818.75
3EM16790EY	Server License Upgrade, 24 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$4,500	\$ 2,925.00
3EM16790EW	Server License Upgrade, 32 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$7,500	\$ 4,875.00

<b>TSM-8000 Network Management System</b>			
<b>Part No</b>	<b>Description</b>	<b>MPSCS MSRP</b>	<b>MPSCS Unit Price</b>
3EM16790EV	Server License Upgrade, 64 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$10,500	\$ 6,825.00
3EM16790EU	Server License Upgrade, 128 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$15,000	\$ 9,750.00
3EM16790FW	Server License Upgrade, 256 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$22,500	\$ 14,625.00
3EM16790FR	Server License Upgrade, 512 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$26,250	\$ 17,062.50
3EM16790ET	Server License Upgrade, 1024 NE, SNMP to SNMP & MCS-11/TL1	\$30,000	\$ 19,500.00
<b>NE Upgrade - Only from same Software type</b>			
		\$4,680	\$ 3,042.00
3EM16790HA	NE Upgrade 24 NE to 32 NE	\$9,600	\$ 6,240.00
3EM16790HB	NE Upgrade 32 NE to 64 NE	\$19,800	\$ 12,870.00
3EM16790HC	NE Upgrade 64 NE to 128 NE	\$16,800	\$ 10,920.00
3EM16790HD	NE Upgrade 128 NE to 256 NE	\$8,400	\$ 5,460.00
3EM16790HE	NE Upgrade 256 NE to 512 NE	\$8,400	\$ 5,460.00
3EM16790HF	NE Upgrade 512 NE to 1000 NE		
<b>TSM-8000 Software Feature Options</b>			
3EM16790BS	SNMP Upstream Reporting	\$15,000	\$ 9,750.00
3EM16790GJ	Web Interface Feature, All Protocols	\$15,000	\$ 9,750.00
3EM16790GP	Interactive Voice Response System	\$18,000	\$ 11,700.00
3EM16790GP	Interactive Voice Response System	\$25,000	\$ 16,250.00
3EM16790HM	Farscan Monitor License	\$25,000	\$ 16,250.00
3EM16790HQ	Badger Monitor License	\$1,500	\$ 975.00
3EM16790HG	TSM-8000 Non-ALU NE Support RTU	\$30,000	\$ 19,500.00
3EM16790HN	TSM-8000 Software Subscription		
<b>TSM-8000 Client Software / Misc</b>			
3EM16790BR	Client Log-in License	\$10,800	\$ 7,020.00
3EM16790CH	Additional MG soft licenses	\$75	\$ 48.75
<b>TSM-8000 Documentation</b>			
<b>TSM-8000 Software Upgrades</b>			
3EM16790HZ	TSM-8000 Version 6.0 Upgrade	\$10,000	\$ 6,500.00
3EM16790JB	TSM-8000 Version 7.0 Upgrade	\$10,000	\$ 6,500.00
3EM16790JC	TSM-8000 Version 7.1 Upgrade	\$10,000	\$ 6,500.00
3EM16790JD	TSM-8000 Version 8.0 Upgrade	\$10,000	\$ 6,500.00
<b>TSM-8000 Client Workstations - Optional</b>			
3EM16790AC	Client workstation (tower) - Non-redundant, with 19" LCD monitor, WIN XP PRO, 110 VAC	\$5,250	\$ 3,412.50
<b>TSM-8000 Spares Kits</b>			
3EM16790EJ	Server Spares Kit	\$7,618	\$ 4,951.70
3EM16790EK	Client Spares Kit	\$2,844	\$ 1,848.60
<b>Standard Workstation Accessories</b>			
3EM16790AG	Server LAN Switch, 16 Ports, 110 VAC	\$840	\$ 546.00
3EM16790AH	Server Remote Access Modem, 110 VAC	\$432	\$ 280.80
3EM16790AJ	Cable set	\$360	\$ 234.00
3EM16790AJ	Cable set	\$72	\$ 46.80
3EM16790AK	CDs for backup (50 each)	\$758	\$ 492.70
3EM16790GZ	Server Rack Mount Key board and Tray		
<b>Server Workstation Spares</b>			
3EM16790AL	Server Motherboard, incl. video and NIC functions	\$1,020	\$ 663.00
3EM16790AM	Server Processor w/Fan	\$744	\$ 483.60
3EM16790AN	Server Memory 1024MB ea	\$504	\$ 327.60
3EM16790CW	Server Removable Hard Drive (cloned)	\$2,700	\$ 1,755.00
3EM16790GM	Hard Drive Bay Spare	\$480	\$ 2,025.00

**TSM-8000 Network Management System**

Part No	Description	MPSCS MSRP	MPSCS Unit Price
3EM16790AQ	Server Removable Power Supply	\$816	\$ 530.40
3EM16790AS	Server 4 Port Serial Card	\$1,020	\$ 663.00
3EM16790CV	Server Dual Power Supply w/Cage	\$1,488	\$ 967.20
3EM16790HL	Server 8 port Serial Card	\$2,148	\$ 1,396.20
<b>Spare Server/Client Computers</b>			
3EM16790FB	Spare Server computer (rack mount) - with keyboard, WIN 2003, 110 VAC	\$14,808	\$ 9,625.20
3EM16790FC	Spare Server computer (rack mount) - with keyboard, WIN 2003, 220 VAC	\$15,168	\$ 9,859.20
<b>Monitors</b>			
3EM16790EE	Server Monitor, LCD, 17", with bezel, 110 VAC	\$1,992	\$ 1,294.80
3EM16790EF	Server Monitor, LCD, 17", with bezel, 220 VAC	\$2,112	\$ 1,372.80
3EM16790EG	Client/TSM2532 Monitor, LCD, 19", 110 VAC	\$2,640	\$ 1,716.00
3EM16790EH	Client/TSM2532 Monitor, LCD, 19", 220 VAC	\$2,760	\$ 1,794.00
<b>Client Workstation Spares</b>			
3EM16790AT	Client Motherboard	\$540	\$ 351.00
3EM16790AU	Client Processor w/Fan	\$576	\$ 374.40
3EM16790AV	Client Memory 512MB ea	\$264	\$ 171.60
3EM16790EC	Client Hard Drive (cloned)	\$540	\$ 351.00
3EM16790AY	Client Power Supply	\$240	\$ 156.00
3EM16790AZ	Client Network Card	\$264	\$ 171.60
3EM16790ED	Client Video Card	\$420	\$ 273.00
<b>Polling Engine</b>			
3EM16790CL	Model 2601, MCS-11 Polling Engine, Linear, TSM-8000 only, 110 VAC	\$5,040	\$ 3,276.00
3EM16790CM	Model 2601, MCS-11 Polling Engine, Linear, TSM-8000 only, 220 VAC	\$5,160	\$ 3,354.00
3EM16790CN	Model 2602, MCS-11 Polling Engine, Ring, TSM-8000 only, 110 VAC	\$5,040	\$ 3,276.00
3EM16790CP	Model 2602, MCS-11 Polling Engine, Ring, TSM-8000 only, 220 VAC	\$5,160	\$ 3,354.00
3EM16790CQ	Model 2603, MCS-11 Polling Engine, High Stability Clk, Linear, TSM-8000 only, 110 VAC	\$5,520	\$ 3,588.00
3EM16790CR	Model 2603, MCS-11 Polling Engine, High Stability Clk, Linear, TSM-8000 only, 220 VAC	\$5,640	\$ 3,666.00
3EM16790CS	Model 2604, MCS-11 Polling Engine, High Stability Clk, Ring, TSM-8000 only, 110 VAC	\$5,520	\$ 3,588.00
3EM16790CT	Model 2604, MCS-11 Polling Engine, High Stability Clk, Ring, TSM-8000 only, 220 VAC	\$5,640	\$ 3,666.00
3EM18968BP	Model 2610, Cooperative Polling Engine	\$5,280	\$ 3,432.00
3EM16790CJ	2601 Polling Engine EPROMs	\$432	\$ 280.80
3EM16790CK	2602 Polling Engine EPROMs	\$432	\$ 280.80
<b>IP Tunnels</b>			
3EM18968BQ	Model 2701, IP Tunnel, 1 port	\$4,800	\$ 3,120.00
3EM18968BR	Model 2705, IP Tunnel, 5 port	\$5,760	\$ 3,744.00
<b>Alarm Encoders</b>			
3EM18968BN	Analog Card for MCS-11, SNMP or LSP Alarm Encoder (s)	\$1,320	\$ 858.00
3EM18968BA	Model 2310, MCS-11 Alarm Encoder with LEDs and analog option	\$6,000	\$ 3,900.00
3EM18968BB	Model 2310, MCS-11 Alarm Encoder	\$4,800	\$ 3,120.00
3EM18968BC	Model 2310, MCS-11 Alarm Encoder with analog option	\$6,120	\$ 3,978.00
3EM18968BD	Model 2310AL, MCS-11 Alarm Encoder with LEDs	\$5,244	\$ 3,408.60
3EM18968BE	Model 2310AL, MCS-11 Alarm Encoder with LEDs and analog option	\$6,480	\$ 4,212.00
3EM18968BF	Model 2311, SNMP Alarm Encoder	\$4,320	\$ 2,808.00
3EM18968BG	Model 2311, SNMP Alarm Encoder with analog option	\$5,760	\$ 3,744.00
3EM18968BK	Model 2315, LSP Alarm Encoder	\$5,160	\$ 3,354.00
3EM18968BL	Model 2315, LSP Alarm Encoder with analog option	\$6,480	\$ 4,212.00
3EM18968DU	Model 2314, SNMP Alarm Encoder	\$2,040	\$ 1,326.00
3EM18968DV	2314 66M Punch Block w/ 5ft cable	\$155	\$ 100.75
3EM18968DW	2314 66M Punch Block w/ 25ft cable	\$225	\$ 146.25



## TSM-8000 Network Management System

Part No	Description	MSPCS MSRP	MSPCS Unit Price
<b>Other Frial Devices</b>			
3EM18968AT	Model 2015, LSP to MCS-11 Protocol Converter	\$5,280	\$ 3,432.00
3EM18968AU	Model 2070, TBOS to MCS-11 Protocol Converter	\$5,520	\$ 3,588.00
3EM18968AV	Model 2110/C, 5 port MCS-11 Bridge/Buffer	\$5,040	\$ 3,276.00
3EM18968AW	Model 2120, 2 port MCS-11 Bridge/Buffer	\$3,840	\$ 2,496.00
3EM18968AY	Model 2130, ELMC Bridge/Buffer	\$5,040	\$ 3,276.00
3EM18968AZ	Model 2135, LSP Five Port Bridge/Buffer	\$5,400	\$ 3,510.00
3EM18968BY	Model 5115, MCS-11 Test Set USB Adaptor Kit w/ Laptop S/W (WIN 2000 or XP only)	\$1,200	\$ 780.00
3EM18968BZ	Model 5100, Test Set & Model 5115 Adaptor w/ Laptop S/W (WIN 2000 or XP only), 110 VAC	\$5,520	\$ 3,588.00
3EM18968CQ	Model 5100, Test Set & Model 5115 Adaptor w/ Laptop S/W (WIN 2000 or XP only), 220 VAC	\$5,000	\$ 3,250.00
3EM18968CA	Model 5560, Contact Alarm Conditioner	\$1,000	\$ 650.00
3EM18968CB	Model 5561, Server Fail Safe Device	\$1,800	\$ 1,170.00
3EM18968DT	Model 2136 MCS-11 Async Digital Bridge	\$5,400	\$ 3,510.00

**Notes:**

1. Typical TSM-8000 systems consist of one Workstation Kit and one Network Element license. Systems monitoring MCS-11 protocol Network Elements also require a polling engine. Client Workstations are bid as options.
2. The TSM-8000 Server Workstation Kits include one TSM-8000 Client license and software.
3. The TSM-8000 SC (single client) workstation kits combine the client and server on a single machine. The single client system is limited to one user. Single client workstations can be converted to client workstation for a regular TSM-8000.
4. Includes Window 2003 Server License, 10 Windows 2003 Server Client Access Licenses and TSM-8000 Workstation Accessories.
5. Additional Windows 2003 Server Client Access Licenses are available through Microsoft.
6. Includes Windows XP Pro software and license.
7. Includes Windows 2003 Server license and software, and 10 Windows 2003 Server Client Access Licenses.
8. Additional Windows 2003 Server Client Access Licenses are available through Microsoft.
9. Includes Windows XP Pro software and license.
10. Client license is a software key on the server. Client software installations are unlimited if MG Soft license fee is paid.
11. Client license includes three MG soft licenses. One is needed for each client installation. A

Additional MG soft licenses may be purchased as APN 3EM16790CH.

**END of TSM-8000 Price Catalog**

Nokia Microwave Services				
Part No	Group Item	Description	MSPCS AIRFP	AIRPSC Unit Price
	<b>Line of Sight Path Survey (15-38 GHz)</b>			
SVC-KWIE-ENG-TSE1		LOS Path Survey (single hop system)	\$5,506.00	\$ 2,753.00
SVC-KWIE-ENG-TSE2		LOS Path Survey (1st hop for a connected multi-hop system)	\$5,506.00	\$ 2,753.00
SVC-KWIE-ENG-TSE3		LOS Path Survey (2nd hop+ for a connected multi-hop system)	\$4,405.00	\$ 2,202.50
SVC-KWIE-ENG-TSE4		LOS Path Survey (Each single path in a multi-hop system, not connected)	\$5,506.00	\$ 2,753.00
SVC-KWIE-ENG-TSE5		Path Survey Air Fare (per survey)(1 Surveyor with equipment shipment)	\$8,000.00	\$ 4,000.00
SVC-KWIE-ENG-TSE6		Additional Survey Reports (on CD ROM)	\$100.00	\$ 50.00
SVC-KWIE-ENG-TSE7		Additional Survey Reports (printed copies)	\$200.00	\$ 100.00
SVC-KWIE-ENG-TSE8		Path Survey (Per Man Day)	\$2,860.00	\$ 1,430.00
	<b>Path Survey (&lt;= 11 GHz)</b>			
SVC-KWIE-ENG-TSE9		Path Survey (single hop system)	\$7,866.00	\$ 3,933.00
SVC-KWIE-ENG-TSE10		Path Survey (1st hop for a connected multi-hop system)	\$7,866.00	\$ 3,933.00
SVC-KWIE-ENG-TSE11		Path Survey (2nd hop+ for a connected multi-hop system)	\$6,292.00	\$ 3,146.00
SVC-KWIE-ENG-TSE12		Path Survey (Each single path in a multi-hop system, not connected)	\$7,866.00	\$ 3,933.00
SVC-KWIE-ENG-TSE13		Path Survey Air Fare (per survey)(1 Surveyor with equipment shipment)	\$8,000.00	\$ 4,000.00
SVC-KWIE-ENG-TSE14		Additional Survey Reports (on CD ROM)	\$100.00	\$ 50.00
SVC-KWIE-ENG-TSE15		Additional Survey Reports (printed copies)	\$200.00	\$ 100.00
	<b>Path Design</b>			
SVC-KWIE-ENG-TSE16		System Map (1-10 paths)	\$200.00	\$ 100.00
SVC-KWIE-ENG-TSE17		System Map (10+ paths)	\$400.00	\$ 200.00
SVC-KWIE-ENG-TSE18		Path Design (per path)	\$300.00	\$ 150.00
SVC-KWIE-ENG-TSE19		Path Performance Calculations (per path)	\$300.00	\$ 150.00
	<b>Frequency Selection/Coordination</b>			
SVC-KWIE-ENG-TSE20		Frequency Selection (2, 6, 7, 11 GHz bands / per path)	\$1,700.00	\$ 850.00
SVC-KWIE-ENG-TSE21		Frequency Selection (7,10, 18, 23 GHz bands / per path)	\$1,486.00	\$ 743.00
SVC-KWIE-ENG-TSE22		Normal 30-day Prior Coordination (per system)	\$630.00	\$ 315.00
SVC-KWIE-ENG-TSE23		Expedited Prior Coordination (1st path)	\$1,834.00	\$ 917.00
SVC-KWIE-ENG-TSE24		Expedited Prior Coordination (2nd path)	\$380.00	\$ 190.00
SVC-KWIE-ENG-TSE25		Major Change Analysis (per path)	\$1,086.00	\$ 543.00
SVC-KWIE-ENG-TSE26		Minor Change Analysis (per path)	\$640.00	\$ 320.00
SVC-KWIE-ENG-TSE27		Prior Coordination Renewal within 6 months of PCN date (1st path)	\$540.00	\$ 270.00
SVC-KWIE-ENG-TSE28		Prior Coordination Renewal 2nd path+ (per path)	\$120.00	\$ 60.00
	<b>FCC License Application</b>			
SVC-KWIE-ENG-TSE29		FCC License Application Prep (New/Mod) (per site / Form 601) (2)	\$930.00	\$ 465.00
SVC-KWIE-ENG-TSE30		STA Form Preparation (Note 1)	\$570.00	\$ 285.00
SVC-KWIE-ENG-TSE31		Waiver Preparation (Note 1)	\$130.00	\$ 65.00
SVC-KWIE-ENG-TSE32		Senior Transmission Systems Engineer (per Hour)	\$500.00	\$ 250.00
SVC-KWIE-ENG-TSE33		Transmission Systems Engineer (per Hour)	\$350.00	\$ 175.00
	<b>Network Engineering</b>			
SVC-KWIE-ENG-TSE34		Senior Network Engineer (per Hour)	\$500.00	\$ 250.00
SVC-KWIE-ENG-TSE35		Network Engineer (per Hour)	\$350.00	\$ 175.00
SVC-KWIE-ENG-TSE36		Network Engineering Drawings (per Hour)	\$200.00	\$ 100.00
	<b>Field Engineering</b>			
SVC-QHIE-ENG-FE1		Field Service Engineer (Per Man Hour)	\$360.00	\$ 180.00
SVC-QHIE-ENG-FE2		Field Living Expenses (per man per calendar day)	\$600.00	\$ 300.00
SVC-QHIE-ENG-FE3		Air Fare (per man)(1 Engineer with equipment shipment)	\$8,000.00	\$ 4,000.00
	<b>Field Engineering - Outside Plant</b>			
300054129-FE0SP1		Outside Plant Engineering e.g. Tower Structural Analysis, Grounding, etc. (Per Man H)	\$360.00	\$ 180.00
300054129-FE0SP2		Field Living Expenses (per man per calendar day)	\$600.00	\$ 300.00
300054129-FE0SP3		Air Fare (per man)(1 Engineer with equipment shipment)	\$8,000.00	\$ 4,000.00
	<b>Installation &amp; Commission (Microwave)</b>			
SVC-QHIE-INST-INC01		Microwave Antenna / Tower Installation Services (Per Man Hour)	\$752.00	\$ 376.00
SVC-QHIE-INST-INC02		Radio Installation Services (Per Man Hour)	\$632.00	\$ 316.00
SVC-QHIE-INST-INC03		Radio Commissioning and Test Services (Per Man Hour)	\$632.00	\$ 316.00
SVC-QHIE-INST-INC04		Auxiliary Equipment Installation and Test Services (Per Man Hour)	\$632.00	\$ 316.00
SVC-QHIE-INST-INC05		Deployment Project Management (Per Man Hour)	\$360.00	\$ 180.00
SVC-QHIE-INST-INC06		Field Supervisor (Per Man Hour)	\$268.00	\$ 134.00
SVC-QHIE-INST-INC07		Network Management Engineering (Per Man Hour)	\$680.00	\$ 340.00
SVC-QHIE-INST-INC08		Field Living Expenses (Per calendar day) (1 Field Engineer)	\$8,000.00	\$ 4,000.00
SVC-QHIE-INST-INC09		Air Fare (per man)(1 Engineer with equipment shipment)	\$8,000.00	\$ 4,000.00
	<b>Program Management Office (PMO)</b>			
300702487		PMI certified project manager skilled in all aspects of managing network deployment projects. (Per Hour)	\$344.00	\$ 172.00
	<b>Product Maintenance (9500 MPR)</b>			
301090767		Technical Support Gold (7x24x365 annual rate per hop)	\$440.00	\$ 220.00
301090775		Standard Repair 45 days (annual rate after warranty per hop)	\$2,010.00	\$ 1,005.00
301090791		Advanced Exchange Next Day (annual rate per hop)	\$2,160.00	\$ 1,080.00
	<b>Product Training (9500 MPR) at Nokia Facility</b>			
3HE09335AA-TWT42035		TWT42035 9500 MPR (Microwave Packet Radio) Global Market Node (MSS-1/MSS-4/MSS-8) Functional and Hardware Description Per Student @ Nokia facility. Class is 1 day.	\$1,454.00	\$ 727.00
3HE09335AA-TWT42036		TWT42036 9500 MPR (Microwave Packet Radio) Global Market Node (MSS-1/MSS-4/MSS-8) Common functionality Operation and Maintenance Per Student @ Nokia facility. Class is 1 day.	\$1,454.00	\$ 727.00
3HE09335AA-TWT42037		TWT42037 9500 MPR Global Market Ethernet Traffic Operations & Maintenance Per Student @ Nokia facility Class is 2 days.	\$2,908.00	\$ 1,454.00
3HE09335AA-TWT42038		TWT42038 9500 MPR R5 Global market Terminal (MPR-e/MSS-1e) Functional and Hardware Description Per Student @ Nokia facility. Class is 1 day.	\$1,454.00	\$ 727.00
3HE09335AA-TWT42039		TWT42039 9500 MPR R5 global market Terminal (MPR-e/MSS-1e) Operations & Maintenance Per Student @ Nokia facility. Class is 3 days.	\$4,362.00	\$ 2,181.00
	<b>Product Training (TSM-8000) at Nokia Facility</b>			
3HE09335AA-3FL30698		3FL30698 TSM-8000 Operations Per Student @ Nokia facility. Class is 2 days.	\$2,908.00	\$ 1,454.00
3HE09335AA-3FL30699		3FL30699 TSM-8000 Administration Per Student @ Nokia facility. Class is 3 days.	\$4,362.00	\$ 2,181.00
	<b>Product Training (9500 MPH) at Customer Facility</b>			
3HE09335AA-TWT42035-CF		TWT42035 9500 MPR (Microwave Packet Radio) Global Market Node (MSS-1/MSS-4/MSS-8) Functional and Hardware Description Per 6 Students @ Customer facility. Each additional Student is \$727 up to Max of 8. Class is 1 day.	\$8,722.00	\$ 4,361.00
3HE09335AA-TWT42036-CF		TWT42036 9500 MPR (Microwave Packet Radio) Global Market Node (MSS-1/MSS-4/MSS-8) Common functionality Operation and Maintenance Per 6 Students @ Customer facility. Each additional Student is \$727 up to Max of 8. Class is 1 day.	\$8,722.00	\$ 4,361.00
3HE09335AA-TWT42037-CF		TWT42037 9500 MPR Global Market Ethernet Traffic Operations & Maintenance Per 6 Students @ Customer facility. Each additional Student is \$1454 up to Max of 8. Class is 2 days.	\$17,444.00	\$ 8,722.00
3HE09335AA-TWT42038-CF		TWT42038 9500 MPR R5 Global market Terminal (MPR-e/MSS-1e) Functional and Hardware Description Per 6 Students @ Customer facility. Each additional Student is \$727 up to Max of 8. Class is 1 day.	\$8,722.00	\$ 4,361.00

**NOKIA**

Nokia Microwave Services				
Part No	Group Item	Description	MPCS MSRP	MSPCS Unit Price
3HE09335AA-TWT42039-CF		TWT42039 9500 MPR R5 global market Terminal (MPR-e/MSS-1c) Operations & Maintenance Per Min 6 Students @ Customer facility. Each additional Student is \$2181 up to Max of 8. Class is 3 days.	\$76,172.00	\$13,086.00
Product Training (TSM-8000) at Customer Facility				
3HE09335AA-3FL30698-CF		3FL30698 TSM-8000 Operations Per Min 6 Students @ Customer facility. Each additional Student is \$1454 up to Max of 8. Class is 2 days.	\$17,444.00	\$8,722.00
3HE09335AA-3FL30699-CF		3FL30699 TSM-8000 Administration Per Min 6 Students @ Customer facility. Each additional Student is \$2181 up to Max of 8. Class is 3 days.	\$36,166.00	\$13,083.00
Onsite Fees for Training (9500 MPR/TSM-8000) at Customer Facility				
3HE09335AA-OSF-CF-5		Instructor T&L On-Site Fee - \$3,190 for each 5 days of training.	\$6,380.00	\$3,190.00
3HE09335AA-OSF-CF-4		Instructor T&L On-Site Fee - \$2,890 for each 4 days of training.	\$5,780.00	\$2,890.00
3HE09335AA-OSF-CF-3		Instructor T&L On-Site Fee - \$2,600 for each 3 days of training.	\$5,200.00	\$2,600.00
3HE09335AA-OSF-CF-2		Instructor T&L On-Site Fee - \$2,180 for each 2 days of training.	\$4,360.00	\$2,180.00
3HE09335AA-OSF-CF-1		Instructor T&L On-Site Fee - \$1,760 for each 1 days of training.	\$3,520.00	\$1,760.00
3HE09335AA-OSF-EF		On-site Equipment Fee - \$800 per class, if remotely access Nokia equipment	\$1,600.00	\$ 800.00
3HE09335AA-OSF-EF-S		On-site Equipment Fee, if shipped from Nokia (9500 MPR or TSM-8000) to customer site for use during training. \$3,500 for each class requiring shipped equipment (Per Round Trip)	\$7,000.00	\$ 3,500.00

Notes:

- 1 Does not include FCC fees, if any
- 2 Pricing does not apply to states with prevailing wages statutes and can be quoted upon request
- 3 SVC-KWIE-ENG, SVC-QHIE-ENG, SVC-QHIE-INST requires the description to be included with all orders
- 4 A Man Day is considered to be 8 hours.
- 5 For Training Two Options are provided: 1 - is per-student at Nokia facility; 2 - is per-session at customer location.
- 6 The maximum number of students allowable for instructor-led classes is 8 students. Minimum class size for onsite training is 6 students.
- 7 Customer is responsible for all travel arrangements and expenses for their students when traveling to an Alcatel-Lucent site for training
- 8 Training prices do not include duties or taxes, which shall be Customer's responsibility.
- 9 For Training classes - Customer cancellation within business fifteen (15) days of the scheduled training will result in the full amount of the course being billed.
- 10 Onsite Training - A suitable classroom and classroom equipment to meet the student's needs, including the use of an overhead projector, whiteboard/chalkboard & markers, along with customer technical documentation should be provided by the customer.
- 11 If the Customer is providing the training equipment for a practical (hands-on) course, it must be free of live traffic, dedicated and available for training purposes only.
- 12 An adequate supply of terminals (PC/laptop) connected to the training platform with access to internet is required. The standard is one terminal for two trainees.

**End of Nokia Microwave Services**



**NOKIA**



**NOKIA**

## **IP Routing Products**

**Customer: State of Michigan**

**Notes:**

- 1) Prices valid until 12/31/2022
- 2) Prices shown for "drop ship" only. Does not include Taxes or any other configurations.
- 3) Prices shown are for FOB origin, Freight Prepaid and Charged.



**NOKIA**

**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>7450 ESS/7750 SR</b>			
<b>Chassis Bundles</b>			
3HE09266AA	BNDL 7450 ESS-7 Chassis + SFM5/CPM5	\$ 76,995	\$ 46,197
3HE09267AA	BNDL -7450 ESS-12 Chassis + SFM5/CPM5	\$ 120,000	\$ 72,000
3HE11362AA	BNDL 7450 ESS SR-7-B Chassis SFM5/CPM5	\$ 91,000	\$ 54,600
3HE11363AA	BNDL 7450 ESS SR-12-B Chassis SFM5/CPM5	\$ 142,350	\$ 85,410
<b>Software</b>			
3HE00241RA	OS - 7450 ESS-6/6w/7/12 R14.0 OS LICENSE	\$ 5,000	\$ 3,000
3HE00241TA	OS - 7450 ESS-7/12 R15.0 OS LICENSE	\$ 5,000	\$ 3,000
3HE10641AA	RTU - SROS ADV DC GW and Svc Chain	\$ 40,000	\$ 24,000
3HE06486AA	RTU - 7x50 ESM BASE LICENSE	\$ 20,000	\$ 12,000
3HE06487AA	RTU - 7x50 ESM LICENSE - 4K SUB-HOSTS	\$ 4,000	\$ 2,400
3HE06488AA	RTU - 7x50 ESM LICENSE - 16K SUB-HOSTS	\$ 12,000	\$ 7,200
3HE06489AA	RTU - 7x50 ESM LICENSE - 32K SUB-HOSTS	\$ 20,000	\$ 12,000
3HE06490AA	RTU - 7x50 ESM LICENSE - 64K SUB-HOSTS	\$ 32,000	\$ 19,200
3HE06491AA	RTU - 7x50 ESM LICENSE - 128K SUB-HOSTS	\$ 60,000	\$ 36,000
3HE09287AA	RTU - 7x50 ESM LICENSE - 256K SUB-HOSTS	\$ 100,000	\$ 60,000
3HE06493AA	RTU - 7x50 LI LICENSE	\$ 20,000	\$ 12,000
<b>SR-OS OpenFlow Switch Licenses</b>			
3HE09028AA	RTU - SROS Hybrid OpenFlow Switch	\$ 40,000	\$ 24,000
<b>Switch Fabric/Control Processor Module (SF/CPMs)</b>			
3HE09262AA	SFM - 7450 ESS SFM5-12 + CPM5	\$ 104,000	\$ 62,400
3HE09263AA	SFM - 7450 ESS SFM5-7 + CPM5	\$ 54,500	\$ 32,700
<b>Input/Output Module (IOMs)</b>			
3HE08427AA	IOM - 7450 ESS IOM3-XP-C	\$ 37,500	\$ 22,500
3HE09648AA	IOM - 7750 SR IOM4-e L3HQ	\$ 422,500	\$ 253,500
3HE09648BA	IOM - 7750 SR IOM4-e L3BQ	\$ 125,000	\$ 75,000
3HE09648CA	IOM - 7750 SR IOM4-e L2HQ	\$ 250,000	\$ 150,000
3HE10717AA	IOM - 7750 SR IOM4-e-B L3HQ	\$ 422,500	\$ 253,500
3HE10717BA	IOM - 7750 SR IOM4-e-B L3BQ	\$ 125,000	\$ 75,000
3HE10717CA	IOM - 7750 SR IOM4-e-B L2HQ	\$ 250,000	\$ 150,000
<b>Integrated Media Modules GE (IMM's)</b>			
3HE10014AA	IMM - 160-PT GE cSFP/80-pt GE SFP - L3HQ	\$ 570,000	\$ 342,000
3HE10014BA	IMM - 160-PT GE cSFP/80-pt GE SFP - L3BQ	\$ 324,000	\$ 194,400
3HE10014CA	IMM - 160-PT GE cSFP/80-pt GE SFP - L2HQ	\$ 432,000	\$ 259,200
3HE09279AA	IMM - 7x50 48-PT GE Rev C SFP - L3HQ	\$ 285,000	\$ 171,000
3HE09279BA	IMM - 7x50 48-PT GE Rev C SFP - L3BQ	\$ 135,000	\$ 81,000
3HE09279CA	IMM - 7x50 48-PT GE Rev C SFP - L2HQ	\$ 155,000	\$ 93,000
<b>Integrated Media Modules 10GE (IMM's)</b>			
3HE07158CA	IMM 7x50 12-PT 10GE MultiCore SFP+ L2HQ	\$ 360,000	\$ 216,000
3HE07158BA	IMM 7x50 12-PT 10GE MultiCore SFP+ L3BQ	\$ 270,000	\$ 162,000
3HE07158AA	IMM 7x50 12-PT 10GE MultiCore SFP+ L3HQ	\$ 475,000	\$ 285,000
3HE07305CA	IMM - 7x50 20-PT 10GE SFP+ - L2HQ	\$ 540,000	\$ 324,000
3HE07305BA	IMM - 7x50 20-PT 10GE SFP+ - L3BQ	\$ 405,000	\$ 243,000
3HE07305AA	IMM - 7x50 20-PT 10GE SFP+ - L3HQ	\$ 712,500	\$ 427,500
<b>Integrated Media Modules 40GE (IMM's)</b>			
3HE07304CA	IMM - 7x50 6-PT 40GE QSFP+ - L2HQ	\$ 540,000	\$ 324,000
3HE07304BA	IMM - 7x50 6-PT 40GE QSFP+ - L3BQ	\$ 405,000	\$ 243,000
3HE07304AA	IMM - 7x50 6-PT 40GE QSFP+ - L3HQ	\$ 712,500	\$ 427,500
<b>Integrated Media Modules Combo (IMM's)</b>			
3HE08020CA	IMM -7750 1-PT 100GE + 10-PT 10GE- L2HQ	\$ 642,000	\$ 385,200
3HE08020BA	IMM -7750 1-PT 100GE + 10-PT 10GE - L3BQ	\$ 488,000	\$ 292,800
3HE08020AA	IMM -7750 1-PT 100GE + 10-PT 10GE - L3HQ	\$ 788,000	\$ 472,800
3HE08174AA	IMM - 7x50 10-PT 10GE + 20-PT GE L3HQ	\$ 500,000	\$ 300,000
3HE08174BA	IMM - 7x50 10-PT 10GE + 20-PT GE L3BQ	\$ 325,000	\$ 195,000
3HE08174CA	IMM - 7x50 10-PT 10GE + 20-PT GE L2HQ	\$ 400,000	\$ 240,000
3HE08175AA	IMM - 7x50 3-PT 40GE + 20-PT GE L3HQ	\$ 500,000	\$ 300,000
3HE08175BA	IMM - 7x50 3-PT 40GE + 20-PT GE L3BQ	\$ 325,000	\$ 195,000
3HE08175CA	IMM - 7x50 3-PT 40GE + 20-PT GE L2HQ	\$ 400,000	\$ 240,000
<b>Integrated Media Modules 100GE (IMM's)</b>			
3HE07159CA	IMM 7x50 1-PT 100GE MultiCore CFP L2HQ	\$ 495,000	\$ 297,000
3HE07159BA	IMM 7x50 1-PT 100GE MultiCore CFP L3BQ	\$ 380,000	\$ 228,000
3HE07159AA	IMM 7x50 1-PT 100GE MultiCore CFP L3HQ	\$ 575,000	\$ 345,000
3HE07303CA	IMM - 7x50 2-PT 100GE CFP L2HQ	\$ 742,500	\$ 445,500
3HE07303BA	IMM - 7x50 2-PT 100GE CFP L3BQ	\$ 570,000	\$ 342,000
3HE07303AA	IMM - 7x50 2-PT 100GE CFP L3HQ	\$ 862,500	\$ 517,500
<b>Integrated Media Modules (IMM's) - IMM SW License Upgrades</b>			
3HE08176AA	RTU - IMM 6x40G LIC UP - L2HQ to L3HQ	\$ 265,000	\$ 159,000
3HE08177AA	RTU - IMM 6x40G LIC UP - L3BQ to L3HQ	\$ 465,000	\$ 279,000
3HE05899AC	RTU - IMM 48x1G LIC UP - L2HQ to L3HQ	\$ 150,000	\$ 90,000
3HE05899BC	RTU - IMM 48x1G LIC UP - L3BQ to L3HQ	\$ 170,000	\$ 102,000
3HE06304AA	RTU - IMM 12x10GE LIC UP - L2HQ to L3HQ	\$ 135,000	\$ 81,000
3HE06305AA	RTU - IMM 12x10GE LIC UP - L3BQ to L3HQ	\$ 235,000	\$ 141,000
3HE10425AA	RTU - IMM 160xGE LIC UP - L2HQ to L3HQ	\$ 175,000	\$ 105,000
3HE10426AA	RTU - IMM 160xGE LIC UP - L3BQ to L3HQ	\$ 310,000	\$ 186,000
3HE08178AA	RTU - IMM 20x10GE LIC UP - L2HQ to L3HQ	\$ 225,000	\$ 135,000

Part No	Description	Unit GLP	Unit Sell Price
3HE08179AA	RTU - IMM 20x10GE LIC UP - L3BQ to L3HQ	\$ 390,000	\$ 234,000
3HE06306AA	RTU - IMM 1x100G LIC UP - L2HQ to L3HQ	\$ 95,000	\$ 57,000
3HE06307AA	RTU - IMM 1x100G LIC UP - L3BQ to L3HQ	\$ 225,000	\$ 135,000
<b>Integrated Service Adapters (ISA) + Integrated Service Module (MS-ISM) + Combo IMM + ISA2</b>			
3HE09117AA	ISM - 7x50 Multiservice ISM-MS	\$ 160,000	\$ 96,000
3HE09118AA	ISM - 7x50 Multiservice ISM-MS-E	\$ 160,000	\$ 96,000
3HE10427AA	ISA - 7750 SR ISA2-MS	\$ 50,000	\$ 30,000
3HE10428AA	ISA - 7750 SR ISA2-MS-E	\$ 50,000	\$ 30,000
3HE09192AA	IMM - 7x50 ISA2 + 1-pt 100GE CFP L3HQ	\$ 655,000	\$ 393,000
3HE09192BA	IMM - 7x50 ISA2 + 1-pt 100GE CFP L3BQ	\$ 460,000	\$ 276,000
3HE09192CA	IMM - 7x50 ISA2 + 1-pt 100GE CFP L2HQ	\$ 575,000	\$ 345,000
3HE09193AA	IMM - 7x50 ISA2 + 10-pt 10GE SFP+ L3HQ	\$ 475,000	\$ 285,000
3HE09193BA	IMM - 7x50 ISA2 + 10-pt 10GE SFP+ L3BQ	\$ 300,000	\$ 180,000
3HE09193CA	IMM - 7x50 ISA2 + 10-pt 10GE SFP+ L2HQ	\$ 380,000	\$ 228,000
3HE09253AA	IMM 7x50 MS-ISA2-E + 1pt 100GE CFP L3HQ	\$ 655,000	\$ 393,000
3HE09253BA	IMM 7x50 MS-ISA2-E + 1pt 100GE CFP L3BQ	\$ 460,000	\$ 276,000
3HE09253CA	IMM 7x50 MS-ISA2-E + 1pt 100GE CFP L2HQ	\$ 575,000	\$ 345,000
3HE09254AA	IMM 7x50 MS-ISA2-E + 10pt 10G SFP+ L3HQ	\$ 475,000	\$ 285,000
3HE09254BA	IMM 7x50 MS-ISA2-E + 10pt 10G SFP+ L3BQ	\$ 300,000	\$ 180,000
3HE09254CA	IMM 7x50 MS-ISA2-E + 10pt 10G SFP+ L2HQ	\$ 380,000	\$ 228,000
3HE09120AA	RTU - 12M flow NAT License	\$ 55,000	\$ 33,000
3HE09121AA	RTU - 24M flow NAT License	\$ 100,000	\$ 60,000
3HE05143AA	RTU - AA first 1G Identification & CNTL	\$ 1,000	\$ 600
3HE05144AA	RTU - AA Identification only - per 1G	\$ 8,000	\$ 4,800
3HE05145AA	RTU - AA Identification only per 10G	\$ 40,000	\$ 24,000
3HE04930AA	RTU - AA Res Aggregate CNTL per 1G	\$ 2,000	\$ 1,200
3HE04927AA	RTU - AA Res Aggregate CNTL per 10G	\$ 10,000	\$ 6,000
3HE05146AA	RTU - AA Subscriber/Site CNTL per 1G	\$ 12,000	\$ 7,200
3HE05147AA	RTU - AA Subscriber/Site CNTL per 10G	\$ 40,000	\$ 24,000
3HE05149AA	RTU - Video base software license	\$ 30,000	\$ 18,000
3HE05151AA	RTU - FCC/RET license - 1K subscribers	\$ 6,500	\$ 3,900
3HE05152AA	RTU - FCC/RET license 10K subscribers	\$ 40,000	\$ 24,000
3HE07279AA	RTU - AA RTP Performance per 1G	\$ 5,000	\$ 3,000
3HE06418AA	RTU - AA RTP Performance per 10G	\$ 25,000	\$ 15,000
3HE06520AA	RTU - Enable RTP Performance	\$ -	\$ -
3HE07777AA	RTU - AA Stateful Firewall per 10G	\$ 50,000	\$ 30,000
3HE08228AA	RTU IBN Res 10k Subs	\$ 10,000	\$ 6,000
3HE05148AA	RTU - IPsec software license	\$ 30,000	\$ 18,000
3HE07776AA	RTU - IPsec Multi-Chassis Redundancy	\$ 5,000	\$ 3,000
3HE09017AA	RTU - IPsec IKEv2 - 1K -Tunnel	\$ 1,500	\$ 900
3HE09018AA	RTU - IPsec IKEv2 - 10K Tunnels	\$ 12,000	\$ 7,200
3HE09285AA	RTU - IPSec License per ISA2	\$ 185,000	\$ 111,000
3HE09286AA	RTU - IPSec ISA2 MultiChassis License	\$ 30,000	\$ 18,000
3HE09968AA	RTU AA URL Filter Res 10k Subs	\$ 10,000	\$ 6,000
3HE09969AA	RTU AA URL Filter 10 Gbps	\$ 10,000	\$ 6,000
3HE10017AA	RTU AA ICAP control Res 10K Subs	\$ 100,000	\$ 60,000
<b>Ethernet MDA-e</b>			
3HE10429AA	MDA-e - 7750 SR 6-port 10GE SFP+ MDA-e	\$ 87,000	\$ 52,200
3HE09649AA	MDA-e - 7750 SR 10-port 10GE SFP+ MDA-e	\$ 145,000	\$ 87,000
3HE09881AA	MDA-e - 7750 SR 1-port 100GE CFP2 MDA-e	\$ 185,000	\$ 111,000
3HE11030AA	MDA-e 2-PT 100GE CFP4 MDA-e	\$ 240,000	\$ 144,000
3HE11031AA	MDA-e 2-PT 100GE QSFP28 MDA-e	\$ 240,000	\$ 144,000
3HE10016AA	RTU - Enable OTN support MDA-e	\$ 35,000	\$ 21,000
<b>Ethernet MDA-XP</b>			
3HE03614AA	MDA - 7450 10-PT GE MDA-XP SFP	\$ 11,995	\$ 7,197
3HE03615AA	MDA - 7450 20-PT GE MDA-XP SFP	\$ 28,995	\$ 17,397
3HE03687AA	MDA - 7450 ESS 2-PT 10G MDA-XP - XFP	\$ 60,995	\$ 36,597
3HE03688AA	MDA - 7450 ESS 4-PT 10G MDA-XP - XFP	\$ 98,995	\$ 59,397
3HE04273AA	MDA - 7450 ESS 1-PT 10G MDA-XP - XFP	\$ 27,995	\$ 16,797
3HE05159AA	MDA - 7450 48-PT 10/100/1000-TX MDA-XP	\$ 60,995	\$ 36,597
3HE07283AA	MDA 7450 2x10GE XFP + 12x1GE SFP MDA-XP	\$ 65,995	\$ 39,597
3HE07285AA	MDA - 7450 ESS 12-pt 1GE MDA-XP	\$ 19,995	\$ 11,997
<b>Services Modules</b>			
3HE05942AA	VSM - 7x50 VSM-XP	\$ 40,000	\$ 24,000
<b>Cables</b>			
3HE05550AA	CBL - 10/100/1000 MINI-RJ21 - RJ45 2m	\$ 600	\$ 360
3HE05551AA	CBL - 10/100/1000 MINI-RJ21 - RJ45 5m	\$ 800	\$ 480
<b>Electrical Optics Modules</b>			
3HE06562AA	SFP - STM1 Electrical -40/ 85C	\$ 1,100	\$ 660
<b>100/1000Base Ethernet Optics Modules</b>			
3HE05164AA	SFP - 100/1000 LX SGMII 10KM DDM R6/6	\$ 1,200	\$ 720
<b>GigE Optics Modules</b>			
3HE00027CA	SFP - GIGE SX - LC ROHS 6/6 DDM -40/85C	\$ 345	\$ 207
3HE00028CA	SFP - GIGE LX - LC ROHS 6/6 DDM -40/85C	\$ 995	\$ 597
3HE00029CA	SFP - GIGE ZX - LC ROHS 6/6 DDM -40/85C	\$ 4,995	\$ 2,997
3HE00062CB	SFP - GIGE BASE-T RJ45 R6/6 DDM -40/85C	\$ 400	\$ 240

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Part No	Description	Unit GLP	Unit Sell Price
3HE00070CA	SFP GIGE CWDM-1471 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CB	SFP GIGE CWDM-1491 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CC	SFP GIGE CWDM-1511 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CD	SFP GIGE CWDM-1531 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CE	SFP GIGE CWDM-1551 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CF	SFP GIGE CWDM-1571 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CG	SFP GIGE CWDM-1591 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CH	SFP GIGE CWDM-1611 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00867CA	SFP - GIGE EX - LC ROHS 6/6 DDM -40/85C	\$ 1,995	\$ 1,197
3HE00868CA	SFP - GIGE BX10-U - LC R6/6 DDM -40/85C	\$ 1,400	\$ 840
3HE00868CB	SFP - GIGE BX10-D - LC R6/6 DDM -40/85C	\$ 1,400	\$ 840
3HE01389CA	SFP - GIGE EZX - LC ROHS 6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE04324AA	SFP - GIGE BX40-U ROHS-6/6 - LC	\$ 2,600	\$ 1,560
3HE04324AB	SFP - GIGE BX40-D ROHS-6/6 - LC	\$ 2,600	\$ 1,560
3HE04939CA	SFP GIGE CWDM-1471 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CB	SFP GIGE CWDM-1491 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CC	SFP GIGE CWDM-1511 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CD	SFP GIGE CWDM-1531 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CE	SFP GIGE CWDM-1551 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CF	SFP GIGE CWDM-1571 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CG	SFP GIGE CWDM-1591 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CH	SFP GIGE CWDM-1611 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE05936CA	SFP GIGE CWDM-1471 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CB	SFP GIGE CWDM-1491 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CC	SFP GIGE CWDM-1511 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CD	SFP GIGE CWDM-1531 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CE	SFP GIGE CWDM-1551 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CF	SFP GIGE CWDM-1571 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CG	SFP GIGE CWDM-1591 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CH	SFP GIGE CWDM-1611 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
<b>10GigE Optics Modules (XFP)</b>			
3HE00564CA	XFP - 10GE LR - LC ROHS 6/6 0/70C	\$ 3,995	\$ 2,397
3HE00566CA	XFP - 10GE SR - LC ROHS 6/6	\$ 2,995	\$ 1,797
3HE00876CA	XFP - 10GE ER - LC ROHS 6/6 0/70C	\$ 11,995	\$ 7,197
3HE01545CA	XFP - 10GE ZR - LC ROHS 6/6	\$ 19,995	\$ 11,997
3HE05761CA	XFP - 10GE EZX - LC ROHS6/6 0/70C	\$ 29,000	\$ 17,400
3HE05830CA	XFP - 10GE SR - LC ROHS 6/6 -40/85C	\$ 2,995	\$ 1,797
3HE05831CA	XFP - 10GE LR - LC ROHS 6/6 -40/85C	\$ 3,995	\$ 2,397
3HE05832CA	XFP - 10GE ER - LC ROHS 6/6 -40/85C	\$ 11,995	\$ 7,197
3HE05833CA	XFP - 10GE ZR - LC ROHS 6/6 -40/85C	\$ 19,995	\$ 11,997
3HE04939CA	XFP - 10G DWDM TUNABLE - LC R6/6 0/70C	\$ 27,500	\$ 16,500
3HE06310CA	XFP 10GE CWDM 1471 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CB	XFP 10GE CWDM 1491 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CC	XFP 10GE CWDM 1511 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CD	XFP 10GE CWDM 1531 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CE	XFP 10GE CWDM 1551 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CF	XFP 10GE CWDM 1571 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CG	XFP 10GE CWDM 1591 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CH	XFP 10GE CWDM 1611 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE08411CA	XFP 10GE CWDM 1471 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CB	XFP 10GE CWDM 1491 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CC	XFP 10GE CWDM 1511 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CD	XFP 10GE CWDM 1531 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CE	XFP 10GE CWDM 1551 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CF	XFP 10GE CWDM 1571 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CG	XFP 10GE CWDM 1591 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CH	XFP 10GE CWDM 1611 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
<b>10GigE Optics Modules (SFP+)</b>			
3HE04824AA	SFP+ 10GE SR - LC ROHS6/6 0/70C	\$ 2,995	\$ 1,797
3HE04823AA	SFP+ 10GE LR - LC ROHS6/6 0/70C	\$ 3,995	\$ 2,397
3HE05036AA	SFP+ 10GE ER - LC ROHS6/6 0/70C	\$ 11,995	\$ 7,197
3HE05894AA	SFP+ 10GE ZR - LC ROHS6/6 0/70C	\$ 19,995	\$ 11,997
3HE07161CA	SFP+ 10GE CWDM 1471 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CB	SFP+ 10GE CWDM 1491 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CC	SFP+ 10GE CWDM 1511 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CD	SFP+ 10GE CWDM 1531 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CE	SFP+ 10GE CWDM 1551 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CF	SFP+ 10GE CWDM 1571 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CG	SFP+ 10GE CWDM 1591 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CH	SFP+ 10GE CWDM 1611 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE05037AA	SFP+ 10GE BX10-U LC ROHS6/6 0/70C	\$ 3,995	\$ 2,397
3HE05037AB	SFP+ 10GE BX10-D LC ROHS6/6 0/70C	\$ 3,995	\$ 2,397
3HE10365CA	SFP+ 10GE CWDM 1471 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CB	SFP+ 10GE CWDM 1491 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CC	SFP+ 10GE CWDM 1511 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CD	SFP+ 10GE CWDM 1531 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997

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Part No	Description	Unit GLP	Unit Sell Price
3HE10365CE	SFP+ 10GE CWDM 1551 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CF	SFP+ 10GE CWDM 1571 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CG	SFP+ 10GE CWDM 1591 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CH	SFP+ 10GE CWDM 1611 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
<b>40GE Optics Modules (QSFP+)</b>			
3HE06485AA	QSFP - 40GE LR4 10KM LC ROHS6/6 0/70	\$ 10,000	\$ 6,000
<b>100GE Optics Modules (CFP)</b>			
3HE04821BA	CFP - 100G LR4 10KM LC LOW PWR 0/70C	\$ 75,000	\$ 45,000
3HE06699BA	CFP - 100G ER4 40KM LC LOW PWR 0/70C	\$ 170,000	\$ 102,000
3HE06771AA	CFP - 100GE SR10 MPO ROHS6/6 0/70C	\$ 17,500	\$ 10,500
3HE09437AA	CFP - 100G ZR 80KM LC R6/6 0/70C	\$ 180,000	\$ 108,000
<b>100GE Optics Modules (CFP2)</b>			
3HE08312AA	CFP2 - 100GE SR10 MPO ROHS6/6 0/70C	\$ 35,000	\$ 21,000
3HE08217AA	CFP2 - 100G LR4 10KM LC ROHS6/6 0/70C	\$ 60,000	\$ 36,000
3HE09255AA	CFP2 - OTU4 ER4 40KM LC ROHS6/6 0/70C	\$ 140,000	\$ 84,000
<b>SONET Optics Modules</b>			
3HE00034CA	SFP - OC-3/STM-1 MM-LC R6/6 DDM -40/85C	\$ 1,200	\$ 720
3HE00035CA	SFP - OC-3/STM-1 IR-1 R6/6 DDM -40/85C	\$ 1,200	\$ 720
3HE00036CA	SFP - OC-3/STM-1 LR-1 R6/6 DDM -40/85C	\$ 1,600	\$ 960
3HE00041CA	SFP - OC-12/STM-4 IR-1 R6/6 DDM -40/85C	\$ 1,500	\$ 900
3HE00045CA	SFP - OC-48/STM-16 SR-1 R6/6 DDM -40/85C	\$ 5,000	\$ 3,000
3HE00046CA	SFP - OC-48/STM-16 IR-1 R6/6 DDM -40/85C	\$ 6,500	\$ 3,900
3HE00410CA	SFP - OC-48/STM-16 LR-2 R6/6 DDM -40/85C	\$ 12,000	\$ 7,200
<b>Upgrade Kits</b>			
3HE04141AA	UPG - 7450 ESS-12 PEM-3 + IMP PNL	\$ 8,000	\$ 4,800
3HE04142AA	UPG -7450 ESS-7 PEM-3 + IMP PNL	\$ 6,000	\$ 3,600
<b>Chassis Power (Power Entry Modules)</b>			
3HE03664AA	PEM - 7450 ESS-7 100A DC PEM-3 SLOT 2	\$ 1,500	\$ 900
3HE03665AA	PEM - 7450 ESS-7 100A DC PEM-3 SLOT 1	\$ 1,500	\$ 900
3HE03666AA	PEM - 7450 ESS-12 175A DC PEM-3	\$ 4,000	\$ 2,400
3HE04500AA	PWR FLT - 7450 ESS-7 100 AMP PWR FILTER	\$ 1,500	\$ 900
3HE04517AA	PEM 7450 ESS-7 Slot 1 DC PEM-3 + PWR FLT	\$ 3,000	\$ 1,800
3HE04518AA	PEM 7450 ESS-7 Slot 2 DC PEM-3 + PWR FLT	\$ 3,000	\$ 1,800
<b>Chassis Power (External Power)</b>			
3HE02786BA	REC - SR/ESS-6/6v/7 VAL AC PWR SHELF	\$ 2,500	\$ 1,500
3HE02787AA	REC - SR/ESS VAL 2.5KW AC PW SUP	\$ 2,000	\$ 1,200
3HE02944AA	REC - SR/ESS AC PWR SHELF BLANKS	\$ 150	\$ 90
3HE03085BA	REC -SR/ESS-7 AC PWR BNDL - INTL	\$ 10,500	\$ 6,300
3HE04172AA	REC - ESS/SR-12 VAL AC UN-SPLIT SHELF	\$ 2,500	\$ 1,500
3HE04174AA	REC - ESS/SR-12 VAL AC BNDL - INTL	\$ 21,850	\$ 13,110
<b>Power Cords and Status Cables</b>			
3HE00514AA	CBL - AC PWR CBL 220V	\$ 75	\$ 45
3HE02945AA	CBL - SR/ESS-6 AC REC STATUS CBL	\$ 125	\$ 75
3HE02946AA	CBL - SR/ESS 2500W AC VAL PWR CORD INT	\$ 75	\$ 45
3HE02947AA	CBL -VAL SPLIT SHELF STAT CBL	\$ 125	\$ 75
3HE04173AA	CBL - SR/ESS-12 AC REC STATUS CBL	\$ 125	\$ 75
3HE04519AA	CBL -SR/ESS-7 VAL SPLIT SHELF STAT CBL	\$ 125	\$ 75
<b>Spare Parts</b>			
3HE10852AA	CH-BN - 7750 SR-7-B DC w/PEM3 + EFT	\$ 40,800	\$ 24,480
3HE10854AA	CH-BN - 7750 SR-12-B W/PEM3 + EFT	\$ 60,000	\$ 36,000
3HE10766AA	CHAS - 7750 SR-7-B CHASSIS SPARE RoHS6/6	\$ 35,000	\$ 21,000
3HE10768AA	CHAS - 7750 SR-12-B CHASSIS SPARE RoHS6/6	\$ 45,000	\$ 27,000
3HE08431AA	SFM - 7450 ESS SFM5-7	\$ 35,000	\$ 21,000
3HE08432AA	CPM - 7450 ESS CPM5	\$ 60,000	\$ 36,000
3HE08430AA	SFM - 7450 ESS SFM5-12	\$ 55,000	\$ 33,000
3HE00014AA	FLT - 7x50 ESS-6v/12 SR-12 AIR FILTER	\$ 100	\$ 60
3HE00190AA	FLT - 7x50 SR/ESS-7 AIR FILTER	\$ 90	\$ 54
3HE00245AA	CHAS - 7450 ESS-7 AC/DC CHASSIS SPARE	\$ 25,000	\$ 15,000
3HE00387DB	CH-BN - 7450 ESS-7 w/PEM3 + EFT	\$ 35,000	\$ 21,000
3HE10312AA	ACC - IOM4e/SRe MDA IMP PNL	\$ 700	\$ 420
3HE01053AA	ACC - 7450 MDA SLOT BLANK	\$ 100	\$ 60
3HE01674AA	ACC -SR/ESS-7 MOUNT BRACKET	\$ 125	\$ 75
3HE08703AA	SAR-W/Wx - CONSOLE CBL, 5 FT w RJ45 to DB9 adapter.	\$ 100	\$ 60
3HE01881AA	LUG - SR/ESS-6/7 GD/PWR LUGS-5	\$ 125	\$ 75
3HE01881CA	LUG - SR/ESS-7 GD/PWR LUGS-5	\$ 125	\$ 75
3HE01882BA	LUG - SR/ESS-12 GD/PWR LUGS-5 FOR PEM-3	\$ 125	\$ 75
3HE07757AA	ACC - 7x50 Power Terminal Cover (2 pack)	\$ 150	\$ 90
3HE02033CA	CH-BN - 7450 ESS-12 w/PEM3 + EFT	\$ 50,995	\$ 30,597
3HE02036AA	CHAS - 7450 ESS-12 CHASSIS & FLT	\$ 33,500	\$ 20,100
3HE02943AA	ESS-12 MOUNTING BRACKETS SPARE	\$ 175	\$ 105
3HE04149AA	ACC - 7450 ESS IMP PNL - 1	\$ 150	\$ 90
3HE04150AA	ACC - 7450 ESS IMP PNL - 5	\$ 750	\$ 450
3HE04608AA	ACC - 7450 ESS-12 SLOT PEM-3 UPGRADE	\$ 125	\$ 75
3HE04609AA	ACC - 7450 ESS-7 SLOT PEM-3 UPGRADE	\$ 125	\$ 75
3HE04707AA	CF - 4GB COMPACT FLASH	\$ 1,400	\$ 840
3HE04708AA	CF - 8GB COMPACT FLASH	\$ 2,300	\$ 1,380

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Part No	Description	Unit GLP	Unit Sell Price
3HE06083AA	CF - 32GB COMPACT FLASH	\$ 7,000	\$ 4,200
3HE05107AA	FAN - 7450 ESS-12 Enhanced Fan Tray	\$ 2,900	\$ 1,740
3HE05181AA	FAN - 7450 ESS-7 Enhanced Fan Tray	\$ 4,800	\$ 2,880
3HE07904AA	ACC - Dust Cover - CFP (x2)	\$ 300	\$ 180
3HE07905AA	ACC - Dust Cover - SFP (x20)	\$ 300	\$ 180
3HE07906AA	ACC - Dust Cover - XFP/QSFP+ (x10)	\$ 300	\$ 180
3HE07907AA	ACC - Dust Cover - CXP (x10)	\$ 300	\$ 180
3HE09904AA	ACC - Dust Cover - CFP2 (x4)	\$ 300	\$ 180
3HE09905AA	ACC - Dust Cover - CFP4 (x10)	\$ 300	\$ 180
3HE09976AA	ACC - Compact Flash cover CPM2/3/4 10pkg	\$ 950	\$ 570
3HE09977AA	ACC - Compact Flash cover CPM5 10pkg	\$ 950	\$ 570
3HE11379AA	7750 SR-7/ 7450 ESS-7 INPUT POWER RATING	\$ 1	\$ 1
<b>Chassis Bundles</b>			
3HE09264AA	BNDL 7750 SR-7 Chassis + SFM5/CPM5	\$ 86,000	\$ 51,600
3HE11175AA	BNDL - 7750 SR-7-B Chassis + SFM5/CPM5	\$ 91,000	\$ 54,600
3HE09265AA	BNDL -7750 SR-12 Chassis + SFM5/CPM5	\$ 135,000	\$ 81,000
3HE11176AA	BNDL - 7750 SR-12-B Chassis + SFM5/CPM5	\$ 142,350	\$ 85,410
3HE10476AA	BNDL-7750 SR12e SFM5/CPM5 CHAS AC	\$ 275,000	\$ 165,000
3HE10477AA	BNDL-7750 SR12e SFM5/CPM5 CHAS 60-80A DC	\$ 275,000	\$ 165,000
3HE12034AA	BNDL-7750 SR12e SFM5/CPM5 HVDC	\$ 275,000	\$ 165,000
<b>Software</b>			
3HE00107RA	OS - 7750 SR-7/12/12e R14.0 OS LICENSE	\$ 10,000	\$ 6,000
3HE00107TA	OS - 7750 SR-7/12/12e R15.0 OS LICENSE	\$ 10,000	\$ 6,000
3HE10877AA	RTU - UPnP IGD License	\$ 25,000	\$ 15,000
3HE10878AA	RTU - vRGW BRG authentication LIC	\$ 25,000	\$ 15,000
3HE10640AA	RTU - SROS GMPLS-UNI	\$ 25,000	\$ 15,000
3HE03982AA	DHCP USER DB LICENSE-20K USERS	\$ 25,000	\$ 15,000
3HE03983AA	DHCP USER DB LICENSE-156K USERS	\$ 117,000	\$ 70,200
3HE03984AA	DHCP USER DB LIC UPGRD-20K TO 156K	\$ 92,000	\$ 55,200
<b>WLAN/WiFi Offload Licenses</b>			
3HE07310AA	RTU - Base WiFi aggregation License	\$ 60,000	\$ 36,000
3HE07310AB	RTU - Diameter Credit Control License	\$ 20,000	\$ 12,000
3HE07310AC	RTU - Multiple SSID Support License	\$ 20,000	\$ 12,000
3HE07310AD	RTU - Inter-AP WiFi Mobility License	\$ 20,000	\$ 12,000
3HE07310AE	RTU -WiFi Agg. 4K - shaped AP tunnels	\$ 4,000	\$ 2,400
3HE07310AF	RTU -WiFi Agg. 8K - shaped AP tunnels	\$ 6,000	\$ 3,600
3HE07310AG	RTU -WiFi Agg. 16K - shaped AP tunnels	\$ 10,000	\$ 6,000
3HE07310AH	RTU -WiFi Agg. 32K - shaped AP tunnels	\$ 20,000	\$ 12,000
3HE07310AJ	RTU -WiFi Agg. 64K - shaped AP tunnels	\$ 30,000	\$ 18,000
3HE07310AK	RTU -WiFi Agg. 128K - shaped AP tunnels	\$ 60,000	\$ 36,000
3HE07310AL	RTU - WLAN to 3G/4G Interworking License	\$ 50,000	\$ 30,000
3HE07310AM	RTU - WLAN to 3G/4G - 4K Bearers	\$ 4,000	\$ 2,400
3HE07310AN	RTU - WLAN to 3G/4G - 8K Bearers	\$ 8,000	\$ 4,800
3HE07310AP	RTU - WLAN to 3G/4G - 16K Bearers	\$ 16,000	\$ 9,600
3HE07310AR	RTU - WLAN to 3G/4G - 32K Bearers	\$ 25,000	\$ 15,000
3HE07310AT	RTU - WLAN to 3G/4G - 64K Bearers	\$ 50,000	\$ 30,000
3HE07310AU	RTU - WLAN to 3G/4G - 128K Bearers	\$ 75,000	\$ 45,000
3HE07310AV	RTU - WLAN to 3G/4G - 256K Bearers	\$ 100,000	\$ 60,000
3HE09288AA	RTU - Selective offload with single IP	\$ 75,000	\$ 45,000
3HE09289AA	RTU - WiFi-GW Inter-chass Redundancy	\$ 25,000	\$ 15,000
3HE09290AA	RTU - WiFi Migrant User Support	\$ 25,000	\$ 15,000
3HE09291AA	RTU - WiFi 256K migrant Users	\$ 20,000	\$ 12,000
3HE09292AA	RTU - WiFi 512K migrant Users	\$ 40,000	\$ 24,000
3HE09293AA	RTU - WiFi 1M migrant Users	\$ 60,000	\$ 36,000
3HE09294AA	RTU - WiFi 2M migrant Users	\$ 80,000	\$ 48,000
<b>Distributed Subscriber Management Licenses</b>			
3HE09295AA	RTU - 7x50 Base DSM feature license	\$ 20,000	\$ 12,000
3HE09296AA	RTU - 7x50 64K DSM hosts	\$ 25,000	\$ 15,000
3HE09297AA	RTU - 7x50 128K DSM hosts	\$ 50,000	\$ 30,000
3HE09298AA	RTU - 7x50 256K DSM hosts	\$ 85,000	\$ 51,000
3HE09299AA	RTU - 7x50 512K DSM hosts	\$ 170,000	\$ 102,000
3HE09300AA	RTU - 7x50 1M DSM hosts	\$ 350,000	\$ 210,000
3HE09301AA	RTU - 7x50 2M DSM hosts	\$ 700,000	\$ 420,000
3HE10020AA	RTU - 7x50 3M DSM hosts	\$ 1,000,000	\$ 600,000
3HE10021AA	RTU - 7x50 4M DSM hosts	\$ 1,400,000	\$ 840,000
3HE10022AA	RTU - 7x50 5M DSM hosts	\$ 1,750,000	\$ 1,050,000
3HE10023AA	RTU - 7x50 6M DSM hosts	\$ 2,100,000	\$ 1,260,000
<b>Switch Fabric/Control Processor Module (SF/CPMs)</b>			
3HE09261AA	SFM - 7750 SR SFM5-7 + CPM5	\$ 54,500	\$ 32,700
3HE09260AA	SFM - 7750 SR SFM5-12 + CPM5	\$ 104,000	\$ 62,400
3HE09001AA	SFM - 7750 SR SFM5-12e + CPM5	\$ 160,000	\$ 96,000
3HE08422AA	SFM - 7750 SR Mini-SFM5-12e	\$ 85,000	\$ 51,000
<b>Input/Output Module (IOMs)</b>			
3HE08426AA	IOM - 7750 SR IOM3-XP-C	\$ 75,000	\$ 45,000
<b>Integrated Media Modules 10GE (IMM's)</b>			
3HE08424AA	IIMM - 7x50 40-PT 10GE SFP+ - L3HQ IMM	\$ 1,282,500	\$ 769,500

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Part No	Description	Unit GLP	Unit Sell Price
3HE08424BA	IMM - 7x50 40-PT 10GE SFP+ - L3BQ IMM	\$ 729,000	\$ 437,400
3HE08424CA	IMM - 7x50 40-PT 10GE SFP+ - L2HQ IMM	\$ 972,000	\$ 583,200
<b>Integrated Media Modules (IMM's)</b>			
3HE09645AA	IMM - 7x50 4-PT 100GE CFP4 - L3HQ IMM	\$ 1,400,000	\$ 840,000
3HE09645BA	IMM - 7x50 4-PT 100GE CFP4 - L3BQ IMM	\$ 940,000	\$ 564,000
3HE09645CA	IMM - 7x50 4-PT 100GE CFP4 - L2HQ IMM	\$ 1,225,000	\$ 735,000
3HE08425AA	IMM - 7x50 4-PT 100GE CXP - L3HQ IMM	\$ 1,400,000	\$ 840,000
3HE08425BA	IMM - 7x50 4-PT 100GE CXP - L3BQ IMM	\$ 940,000	\$ 564,000
3HE08425CA	IMM - 7x50 4-PT 100GE CXP - L2HQ IMM	\$ 1,225,000	\$ 735,000
3HE09436AA	IMM - 7x50 1-PT 100GE INT DWDM - L3HQ	\$ 762,000	\$ 457,200
3HE09436BA	IMM - 7x50 1-PT 100GE INT DWDM - L3BQ	\$ 565,000	\$ 339,000
3HE09436CA	IMM - 7x50 1-PT 100GE INT DWDM - L2HQ	\$ 681,000	\$ 408,600
<b>Integrated Media Modules (IMM's) - IMM SW License Upgrades</b>			
3HE08180AA	RTU IMM 1x100G + 10x10G LIC L2HQ - L3HQ	\$ 207,000	\$ 124,200
3HE08181AA	RTU IMM 1x100G + 10x10G LIC L3BQ - L3HQ	\$ 420,000	\$ 252,000
3HE08182AA	RTU - IMM 2x100G LIC UP - L2HQ to L3HQ	\$ 185,000	\$ 111,000
3HE08183AA	RTU - IMM 2x100G LIC UP - L3BQ to L3HQ	\$ 425,000	\$ 255,000
3HE06289AA	RTU - 7x50 IMM 50G LIM VPRN LIC	\$ 15,000	\$ 9,000
3HE06290AA	RTU - 7x50 IMM 50G FULL VPRN LIC	\$ 45,000	\$ 27,000
3HE06291AA	RTU - 7x50 IMM 100G LIM VPRN LIC	\$ 25,000	\$ 15,000
3HE06292AA	RTU - 7x50 100G FULL VPRN LIC	\$ 75,000	\$ 45,000
3HE10423AA	RTU - 7x50 IMM 160G LIM VPRN LIC	\$ 32,000	\$ 19,200
3HE10424AA	RTU - 7x50 IMM 160G FULL VPRN LIC	\$ 100,000	\$ 60,000
3HE08233AA	RTU - 7x50 200G LIM VPRN LIC	\$ 40,000	\$ 24,000
3HE08311AA	RTU - 7x50 200G FULL VPRN LIC	\$ 125,000	\$ 75,000
3HE10111AA	RTU - 7x50 IMM 400G LIM VPRN LIC	\$ 70,000	\$ 42,000
3HE10112AA	RTU - 7x50 IMM 400G FULL VPRN LIC	\$ 240,000	\$ 144,000
3HE09002AA	RTU - IMM 40x10GE LIC UP - L2HQ to L3HQ	\$ 575,000	\$ 345,000
3HE09003AA	RTU - IMM 40x10GE LIC UP - L3BQ to L3HQ	\$ 370,000	\$ 222,000
3HE09004AA	RTU - IMM 4x100G LIC UP - L2HQ to L3HQ	\$ 220,000	\$ 132,000
3HE09005AA	RTU - IMM 4x100G LIC UP - L3BQ to L3HQ	\$ 510,000	\$ 306,000
<b>Integrated Service Adapters (ISA) + Integrated Service Module (MS-ISM) + Combo IMM + ISA2</b>			
3HE09119AA	RTU - IP Tunneling software license per 10G capacity	\$ 20,000	\$ 12,000
3HE05150AA	RTU - ADI per splice license	\$ 6,250	\$ 3,750
3HE04923AA	RTU - L2 Aware NAT License	\$ 10,000	\$ 6,000
3HE05153AA	RTU - 6M flow NAT License	\$ 30,000	\$ 18,000
3HE04925AA	RTU - LNS software License	\$ 10,000	\$ 6,000
3HE09980AA	RTU AA URL Filter Wifi 10k Subs	\$ 2,500	\$ 1,500
3HE10212AA	RTU AA ICAP control Wifi 10k Subs	\$ 10,000	\$ 6,000
3HE10018AA	RTU AA ID & Control Wifi 10k Subs	\$ 10,000	\$ 6,000
3HE10019AA	RTU IBN Wifi 10K Subs	\$ 2,500	\$ 1,500
<b>Ethernet MDA-e</b>			
3HE10642AA	MDA-e - 7750 SR 40cSFP/20SFP GE MDA-e	\$ 60,000	\$ 36,000
<b>Ethernet MDA-XP</b>			
3HE03611AA	MDA - 7750 10-PT GE MDA-XP SFP	\$ 50,000	\$ 30,000
3HE03612AA	MDA - 7750 20-PT GE MDA-XP - SFP	\$ 100,000	\$ 60,000
3HE03685AA	MDA - 7750 SR 2-PT 10G MDA-XP - XFP	\$ 99,500	\$ 59,700
3HE03686AA	MDA - 7750 SR 4-PT 10G MDA-XP - XFP	\$ 160,000	\$ 96,000
3HE04274AA	MDA - 7750 SR 1-PT 10G MDA-XP - XFP	\$ 50,000	\$ 30,000
3HE05160AA	MDA - 7750 48-PT 10/100/1000-TX MDA-XP	\$ 160,000	\$ 96,000
3HE07282AA	MDA 7750 2x10GE XFP + 12x1GE SFP MDA-XP	\$ 130,000	\$ 78,000
3HE07284AA	MDA - 7750 SR 12-pt 1GE MDA-XP	\$ 60,000	\$ 36,000
<b>Channelized MDAs</b>			
3HE01364AA	MDA - 7750 SR 4-PT CH OC3/STM1 ASAP SFP	\$ 130,000	\$ 78,000
3HE02499AA	MDA - 7750 SR 1-PT CH OC12/STM4 ASAP SFP	\$ 130,000	\$ 78,000
3HE02500AA	MDA - 77x0 SR 12-PT DS3/E3 ASAP	\$ 130,000	\$ 78,000
3HE02501AA	MDA - 77x0 SR 4-PT CH DS3/E3 ASAP	\$ 40,000	\$ 24,000
<b>SONET and ATM MDAs</b>			
3HE05947AA	MDA 7750 SR 2-PT OC192/STM64 MDA-XP XFP	\$ 330,000	\$ 198,000
<b>Cables</b>			
3HE00106AA	CBL - DS3/E3 COAX CBL 10-FT10	\$ 300	\$ 180
3HE01049AA	CBL - 7X50 CONSOLE CABLE - 6FT	\$ 50	\$ 30
3HE00271AH	CBL-AC APEQ POWER CBL USA	\$ 700	\$ 420
3HE00271AJ	CBL-AC APEQ POWER CBL EUR	\$ 500	\$ 300
<b>SONET Optics Modules</b>			
3HE06588CA	XFP - 10GE LR OC192 SR1 R6/6 0/70C	\$ 4,800	\$ 2,880
3HE06589CA	XFP - 10GE ER OC192 IR2 R6/6 0/70C	\$ 10,000	\$ 6,000
3HE06590CA	XFP - 10GE ZR OC192 LR2 R6/6 0/70C	\$ 14,000	\$ 8,400
<b>100/1000Base Ethernet Optics Modules</b>			
3HE05163AA	SFP - 100/1000 EX SGMII 40KM ROHS 6/6	\$ 2,250	\$ 1,350
<b>100Mbit Optics Modules</b>			
3HE00024CA	SFP - 100M FX - LC ROHS 6/6 DDM -40/85C	\$ 400	\$ 240
3HE00869CA	SFP - 100M BX10-U - LC R6/6 DDM -40/85C	\$ 600	\$ 360
3HE00869CB	SFP - 100M BX10-D - LC R6/6 DDM -40/85C	\$ 600	\$ 360
3HE01454CA	SFP - 100M EX - LC ROHS 6/6 DDM -40/85C	\$ 1,200	\$ 720
<b>Compact GigE Optics Modules (cSFP)</b>			



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Part No	Description	Unit GLP	Unit Sell Price
3HE08313AA	cSFP - GIGE BX10-U - LC R6/6 DDM - 40/85C	\$ 2,700	\$ 1,620
3HE08313BA	cSFP - GIGE BX10-D - LC R6/6 DDM - 40/85C	\$ 2,700	\$ 1,620
3HE08314AA	cSFP - GIGE BX40-U - LC R6/6 DDM - 40/85C	\$ 4,500	\$ 2,700
3HE08314BA	cSFP - GIGE BX40-D - LC R6/6 DDM - 40/85C	\$ 4,500	\$ 2,700
<b>10GigE Optics Modules (SFP+)</b>			
3HE08142BA	SFP+ - 10G DWDM TUN LC LOW PWR 0/70C	\$ 27,500	\$ 16,500
3HE09326AA	SFP+ 10GE SR - LC ROHS6/6 - 40/85C	\$ 2,995	\$ 1,797
3HE09327AA	SFP+ 10GE LR - LC ROHS6/6 - 40/85C	\$ 3,995	\$ 2,397
3HE09328AA	SFP+ 10GE ER - LC ROHS6/6 - 40/85C	\$ 11,995	\$ 7,197
3HE09329AA	SFP+ 10GE ZR - LC ROHS6/6 - 40/85C	\$ 19,995	\$ 11,997
3HE10452AA	SFP+ 10GE BX40-U LC ROHS6/6 - 40/85C	\$ 5,995	\$ 3,597
3HE10452AB	SFP+ 10GE BX40-D LC ROHS6/6 - 40/85C	\$ 5,995	\$ 3,597
<b>40GE Optics Modules (QSFP+)</b>			
3HE07928AA	QSFP+ - 40G SR4 100m, MPO ROHS6/6 0/70C	\$ 3,000	\$ 1,800
3HE11240AA	QSFP+ - 40G ER4 40KM LC ROHS6/6 0/70C	\$ 38,000	\$ 22,800
<b>100GE Optics Modules (CXP)</b>			
3HE07267AA	CXP - 100GE SR10 MPO ROHS6/6 0/70C	\$ 8,500	\$ 5,100
<b>100GE Optic Modules (CFP4)</b>			
3HE09498AA	CFP4 - 100G LR4 10KM LC ROHS6/6 0/70C	\$ 60,000	\$ 36,000
<b>100GE Optics Modules (QSFP28)</b>			
3HE10551AA	QSFP28- 100G SR4 100m, MPO ROHS6/6 0/70C	\$ 6,500	\$ 3,900
3HE10550AA	QSFP28- 100G LR4 10KM LC ROHS6/6 0/70C	\$ 40,000	\$ 24,000
<b>Upgrade Kits</b>			
3HE04137AA	UPG - 7750 SR-12 PEM-3 + IMP PNL	\$ 8,000	\$ 4,800
3HE04138AA	UPG - 7750 SR-7 PEM-3 + IMP PNL	\$ 6,000	\$ 3,600
<b>Chassis Power (Power Entry Module)</b>			
3HE09423AA	APEQ-AC-3000 Power Equalizer Module	\$ 9,500	\$ 5,700
3HE10431AA	APEQ-HVDC-3000 Power Equalizer Module	\$ 11,500	\$ 6,900
3HE09422AA	APEQ-DC-2200-2800 Power Equalizer Module	\$ 9,500	\$ 5,700
3HE03661AA	PEM - 7750 SR-7 100A DC PEM-3 SLOT 2	\$ 1,500	\$ 900
3HE03662AA	PEM - 7750 SR-7 100A DC PEM-3 SLOT 1	\$ 1,500	\$ 900
3HE03663AA	PEM - 7750 SR-12 175A DC PEM-3	\$ 4,000	\$ 2,400
3HE04498AA	PWR FLT - 7750 SR-7 100 AMP PWR FILTER	\$ 1,500	\$ 900
3HE04521AA	PEM 7750 SR-7 Slot 1 DC PEM-3 + PWR FLT	\$ 3,000	\$ 1,800
3HE04522AA	PEM 7750 SR-7 Slot 2 DC PEM-3 + PWR FLT	\$ 3,000	\$ 1,800
<b>Power Cords and Status Cables</b>			
3HE00271AA	CBL - AC PWR CBL 110V USA	\$ 75	\$ 45
3HE00271AB	CBL - AC PWR CBL 220V USA	\$ 75	\$ 45
3HE00271AC	CBL - AC PWR CBL 220V EUR	\$ 75	\$ 45
3HE00271AD	CBL - AC PWR CBL 220V GBR	\$ 75	\$ 45
3HE00271AE	CBL - AC PWR CBL 220V USA	\$ 75	\$ 45
3HE00271AF	CBL - AC PWR CBL 110V USA	\$ 75	\$ 45
<b>Spare Parts</b>			
3HE08423AA	CPM - 7750 SR CPM5	\$ 60,000	\$ 36,000
3HE08428AA	SFM - 7750 SR SFM5-12	\$ 55,000	\$ 33,000
3HE08429AA	SFM - 7750 SR SFM5-7	\$ 35,000	\$ 21,000
3HE08421AA	SFM - 7750 SR SFM5-12e	\$ 110,000	\$ 66,000
3HE10475AA	ACC 7750 SR-12e 80A breakers (x16)	\$ 950	\$ 570
3HE10114AA	ACC 7750 SR-12e AC bezel	\$ 1,750	\$ 1,050
3HE00104AA	CHAS - 7750 SR-12 CHASSIS SPARE	\$ 35,000	\$ 21,000
3HE00183CA	CH-BN - 7750 SR-12 w/PEM3 + EFT	\$ 52,650	\$ 31,590
3HE00186AA	CHAS - 7750 SR-7 CHASSIS SPARE	\$ 25,000	\$ 15,000
3HE00192AA	ACC - 7750 SR-12 CBL MGMT KIT	\$ 950	\$ 570
3HE00272DB	CH-BN - 7750 SR-7 DC w/PEM3 + EFT	\$ 35,800	\$ 21,480
3HE01051AA	ACC - 7750 SR MDA SLT BLNK	\$ 100	\$ 60
3HE01672AA	ACC - 7750 SR-7 MOUNT BRACKET	\$ 125	\$ 75
3HE01673AA	ACC - 7750 SR-12 MOUNT BRACKET	\$ 175	\$ 105
3HE04147AA	ACC - 7750 SR IMP PNL - 1	\$ 150	\$ 90
3HE04148AA	ACC - 7750 SR IMP PNL - 5	\$ 750	\$ 450
3HE04606AA	ACC - 7750 SR-12 SLOT PEM-3 UPGRADE	\$ 125	\$ 75
3HE04607AA	ACC - 7750 SR-7 SLOT PEM-3 UPGRADE	\$ 125	\$ 75
3HE01619AA	CF - 2GB COMPACT FLASH	\$ 950	\$ 570
3HE05106AA	FAN - 7750 SR-12 Enhanced Fan Tray	\$ 2,900	\$ 1,740
3HE05180AA	FAN - 7750 SR-7 Enhanced Fan Tray	\$ 4,800	\$ 2,880
3HE07165AA	CH-BN - 7750 SR12e Integrated Chassis	\$ 90,000	\$ 54,000
3HE07168AA	FAN - 7750 SR12e Fan Tray	\$ 4,350	\$ 2,610
3HE07440AB	CH-BN - 7750 SR12e Spare Chassis	\$ 85,000	\$ 51,000
3HE07457AA	ACC - 7750 SR12e Air & APEQ Filter (x5)	\$ 4,000	\$ 2,400
3HE07460AA	ACC - 7750 SR12e Accessory Kit	\$ 550	\$ 330
3HE07442AA	ACC - 7750 SR-12e LUG KIT	\$ 1,500	\$ 900

7750 SRe

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>Chassis Bundles</b>			
3HE10468AA	BNDL - 7750 SR-1e DC PSU bundle	\$ 60,000	\$ 36,000
3HE10469AA	BNDL - 7750 SR-1e AC PSU bundle	\$ 60,000	\$ 36,000
3HE10470AA	BNDL - 7750 SR-2e DC PSU bundle	\$ 70,000	\$ 42,000
3HE10471AA	BNDL - 7750 SR-2e AC PSU bundle	\$ 70,000	\$ 42,000
3HE10472AA	BNDL - 7750 SR-3e DC PSU bundle	\$ 80,000	\$ 48,000
3HE10473AA	BNDL - 7750 SR-3e AC PSU bundle	\$ 80,000	\$ 48,000
<b>Software</b>			
3HE10671RA	OS - 7750 SR-1e/2e/3e R14.0 OS LICENSE	\$ 7,500	\$ 4,500
3HE10671TA	OS - 7750 SR-1e/2e/3e R15.0 OS LICENSE	\$ 7,500	\$ 4,500
<b>CPM-e</b>			
3HE10310AA	CPM - 7750 SR-e CPM-e	\$ 45,000	\$ 27,000
<b>Chassis Control Module (CCM-e)</b>			
3HE10309AA	CCM - 7750 SR-e CCM-e	\$ 5,000	\$ 3,000
<b>IOM-e</b>			
3HE10311AA	IOM - 7750 SR IOM-e L3HQ	\$ 198,000	\$ 118,800
3HE10311BA	IOM - 7750 SR IOM-e L2HQ	\$ 117,000	\$ 70,200
3HE10311CA	IOM - 7750 SR IOM-e L3BQ	\$ 69,000	\$ 41,400
<b>Spare Parts</b>			
3HE10301AA	CHAS - 7750 SR-1e Chassis Spare	\$ 31,000	\$ 18,600
3HE10302AA	CHAS - 7750 SR-2e Chassis Spar	\$ 35,000	\$ 21,000
3HE10303AA	CHAS - 7750 SR-3e Chassis Spare	\$ 37,000	\$ 22,200
3HE09548AA	PSU - 7750 SR-e -48V DC PSU	\$ 2,700	\$ 1,620
3HE09549AA	PSU - 7750 SR-e AC PSU	\$ 3,200	\$ 1,920
3HE10304AA	FAN - 7750 SR-1e Fan Tray	\$ 7,200	\$ 4,320
3HE10305AA	FAN - 7750 SR-2e Fan Tray	\$ 7,900	\$ 4,740
3HE10306AA	FAN - 7750 SR-3e Fan Tray	\$ 8,900	\$ 5,340
3HE10295AA	ACC - 7750 SR-e CCM Impedance Panel	\$ 700	\$ 420
3HE10296AA	ACC - 7750 SR-e CPM Impedance Panel	\$ 800	\$ 480
3HE10297AA	ACC - 7750 SR-e IOM Impedance Panel	\$ 900	\$ 540
3HE10298AA	ACC - 7750 SR-1e Air Filters (5 pack)	\$ 1,900	\$ 1,140
3HE10299AA	ACC - 7750 SR-2e Air Filters (5 pack)	\$ 2,100	\$ 1,260
3HE10300AA	ACC - 7750 SR-3e Air Filters (5 pack)	\$ 2,500	\$ 1,500
3HE11169AA	ACC-7750 SR-1e ETSI Adapter Bracket Kit	\$ 360	\$ 216
3HE11170AA	ACC-7750 SR-2e ETSI Adapter Bracket Kit	\$ 380	\$ 228
3HE11171AA	ACC-7750 SR-3e ETSI Adapter Bracket Kit	\$ 400	\$ 240
<b>7750 SRa</b>			
<b>Chassis Bundles</b>			
3HE09242AA	BNDL - 7750SR-a4 DC Bundle	\$ 35,000	\$ 21,000
3HE09243AA	BNDL - 7750SR-a4 AC Bundle	\$ 35,500	\$ 21,300
3HE09244AA	BNDL - 7750SR-a8 DC Bundle	\$ 44,000	\$ 26,400
3HE09245AA	BNDL - 7750SR-a8 AC Bundle	\$ 44,500	\$ 26,700
<b>CPM-a Options</b>			
3HE09201AA	CPM - 7750 SR-a	\$ 9,300	\$ 5,580
<b>IOM-a Options</b>			
3HE09202CA	IOM - 7750 SR-a - L2HQ	\$ 23,000	\$ 13,800
3HE09202BA	IOM - 7750 SR-a - L3BQ	\$ 39,000	\$ 23,400
3HE09202AA	IOM - 7750 SR-a - L3HQ	\$ 66,000	\$ 39,600
3HE09551AA	UPG - SR-a IOM-a - L2HQ to L3BQ	\$ 18,000	\$ 10,800
3HE09552AA	UPG - SR-a IOM-a - L3BQ to L3HQ	\$ 29,000	\$ 17,400
3HE09553AA	UPG - SR-a IOM-a - L2HQ to L3HQ	\$ 45,000	\$ 27,000



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Part No	Description	Unit GLP	Unit Sell Price
<b>MDA-a Options</b>			
3HE09203AA	MDA-a XP - 7750 SR 1-PT 100G CFP	\$ 31,000	\$ 18,600
3HE10421AA	MDA-a XP - 7750 SR 1-PT 100G CFP2	\$ 31,000	\$ 18,600
3HE10422AA	MDA-a XP - 7750 SR 1-PT 100G CFP4	\$ 31,000	\$ 18,600
3HE09204AA	MDA-a XP - 7750 SR 10-PT 10GE SFP+	\$ 29,000	\$ 17,400
3HE09205AA	MDA-a - 7750 SR 2-PT 10GE SFP+ 12-PT GESFP	\$ 17,200	\$ 10,320
3HE09206AA	MDA-a - 7750 SR 20-PT 10/100/1000TX RJ45	\$ 13,600	\$ 8,160
3HE09207AA	MDA-a - 7750 SR 44-PT 1GE SFP	\$ 17,600	\$ 10,560
3HE09240AA	MDA-a - 7750 SR 4-PT-10GE SFP+	\$ 16,000	\$ 9,600
3HE09241AA	MDA-a XP - 7750 SR 6-PT 10GE SFP+ 40GE QSFP	\$ 29,000	\$ 17,400
<b>SW Licenses</b>			
3HE09550CA	OS - 7750 SRa4/8 R14.0 OS LICENSE	\$ 5,000	\$ 3,000
3HE09550TA	OS - 7750 SRa4/8 R15.0 OS LICENSE	\$ 5,000	\$ 3,000
3HE09753AA	DHCP USER DB LICENSE-50K USERS	\$ 45,000	\$ 27,000
3HE09754AA	DHCP USER DB LICENSE-100K USERS	\$ 75,000	\$ 45,000
3HE09755AA	DHCP USER DB LIC UPGRD-20K TO 50K	\$ 20,000	\$ 12,000
3HE09756AA	DHCP USER DB LIC UPGRD-20K TO 100K	\$ 50,000	\$ 30,000
3HE09757AA	DHCP USER DB LIC UPGRD-50K TO 100K	\$ 30,000	\$ 18,000
<b>Accessories &amp; Spares</b>			
3HE09195AA	CHAS - 7750 SR-a4 CHASSIS SPARE	\$ 16,000	\$ 9,600
3HE09196AA	CHAS - 7750 SR-a8 CHASSIS SPARE	\$ 19,000	\$ 11,400
3HE09197AA	FAN - 7750 SR-a4 Fan Tray	\$ 1,700	\$ 1,020
3HE09198AA	FAN - 7750 SR-a8 Fan Tray	\$ 2,300	\$ 1,380
3HE09199AA	PSU - 7750 SR-a DC -48V	\$ 2,700	\$ 1,620
3HE09200AA	PSU - 7750 SR-a AC	\$ 3,200	\$ 1,920
3HE09608AA	ACC - 7750/7705/7210 Vert Rack	\$ 6,950	\$ 4,170
3HE09609AA	ACC - 7750/7705/7210 Cbl Mgmt	\$ 2,780	\$ 1,668
3HE10937AA	ACC-7750 SR-a4 ETSI Adapter Bracket Kit	\$ 170	\$ 102
3HE11168AA	ACC-7750 SR-a8 ETSI Adapter Bracket Kit	\$ 190	\$ 114
3HE00271AG	CBL - AC PWR CBL 110V 13A USA	\$ 75	\$ 45
3HE09417AA	ACC - 7750 SR-a CPM/MDA Impedance Panel	\$ 800	\$ 480
3HE09418AA	ACC - 7750 SR-a IOM Impedance Panel	\$ 900	\$ 540
3HE09419AA	ACC - 7750 SR-a PSU Impedance Panel	\$ 800	\$ 480
3HE09420AA	ACC - 7750 SR-a4 AIR FILTER (5 pack)	\$ 2,700	\$ 1,620
3HE09978AA	ACC-Compact Flash cover for CPM-a 10pkg	\$ 950	\$ 570
<b>7950 XRS</b>			
<b>Chassis Bundles</b>			
3HE11573AA	BNDL -7950 XRS-20 CHASSIS DC 16GB CPM	\$ 950,000	\$ 570,000
3HE12041AA	BNDL-7950 XRS-20e CHASSIS DC 16G CPM	\$ 1,200,000	\$ 720,000
3HE11580AA	BNDL -7950 XRS-20 SA CHASSIS DC 16GB CPM	\$ 550,000	\$ 330,000
3HE12038AA	BNDL-7950 XRS-20e SA CHASSIS DC 16G CPM	\$ 800,000	\$ 480,000
3HE11581AA	BNDL -7950 XRS-20 CHASSIS AC 16GB CPM	\$ 950,000	\$ 570,000
3HE12040AA	BNDL-7950 XRS-20e CHASSIS AC 16G CPM	\$ 1,200,000	\$ 720,000
3HE11582AA	BNDL -7950 XRS-20 SA CHASSIS AC 16GB CPM	\$ 550,000	\$ 330,000
3HE12037AA	BNDL-7950 XRS-20e SA CHASSIS AC 16G CPM	\$ 800,000	\$ 480,000
3HE11583AA	BNDL -7950 XRS-20 CHASSIS HVDC 16GB CPM	\$ 950,000	\$ 570,000
3HE12042AA	BNDL-7950 XRS-20e CHASSIS HVDC 16G CPM	\$ 1,200,000	\$ 720,000
3HE11584AA	BNDL -7950 XRS-20 SA CHASSIS HVDC 16GB CPM	\$ 550,000	\$ 330,000
3HE12039AA	BNDL - 7950 XRS-20e SA CHASSIS HVDC 16G CPM	\$ 800,000	\$ 480,000
3HE09177AA	BNDL - 7950 XRS-20 to XRS-40 UPGRD KIT	\$ 1,300,000	\$ 780,000
3HE09177AB	BNDL - 7950 XRS-20 to XRS-40 UPGRD KIT 30m	\$ 1,800,000	\$ 1,080,000
3HE10478AA	BNDL-7950 XRS-20 CHASSIS AC	\$ 950,000	\$ 570,000
3HE10480AA	BNDL -7950 XRS-20 SA CHASSIS AC	\$ 550,000	\$ 330,000
3HE10479AA	BNDL -7950 XRS-20 CHASSIS 60-80A DC	\$ 950,000	\$ 570,000
3HE10481AA	BNDL -7950 XRS-20 SA CHASSIS 60-80A DC	\$ 550,000	\$ 330,000
3HE09174AA	RTU - 7950 XRS-40 B2B Lic	\$ 1,000,000	\$ 600,000
3HE08991AA	BNDL- 7950 XRS-20 SFM SA to MC upgrade	\$ 600,000	\$ 360,000
<b>Software</b>			
3HE06945RA	OS - 7950 XRS-16c/20/40 R14.0 LICENSE	\$ 17,500	\$ 10,500
3HE06945TA	OS - 7950 XRS-16c/20/40 R15.0 LICENSE	\$ 17,500	\$ 10,500
<b>VPRN LICENSES</b>			
3HE07462AA	RTU - 7950 XRS VPRN IES64	\$ 20,000	\$ 12,000
3HE07556AA	RTU - 7950 XRS VPRN IES512	\$ 30,000	\$ 18,000
3HE07590AA	RTU - 7950 XRS VPRN IES2k	\$ 40,000	\$ 24,000
3HE07591AA	RTU - 7950 XRS VPRN IES8k	\$ 75,000	\$ 45,000
3HE09021AA	RTU - 7950 XRS VPRN IES16k	\$ 90,000	\$ 54,000
<b>VPLS LICENSES</b>			
3HE07463AA	RTU - 7950 XRS VPLS64	\$ 20,000	\$ 12,000
3HE07464AA	RTU - 7950 XRS VPLS512	\$ 30,000	\$ 18,000
3HE07465AA	RTU - 7950 XRS VPLS2k	\$ 40,000	\$ 24,000
3HE07645AA	RTU - 7950 XRS VPLS8k	\$ 75,000	\$ 45,000
3HE09022AA	RTU - 7950 XRS VPLS40k	\$ 100,000	\$ 60,000
<b>VLL LICENSES</b>			
3HE07466AA	RTU - 7950 XRS VLL256	\$ 20,000	\$ 12,000
3HE07467AA	RTU - 7950 XRS VLL4k	\$ 30,000	\$ 18,000
3HE07468AA	RTU - 7950 XRS VLL32k	\$ 40,000	\$ 24,000

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Part No	Description	Unit GLP	Unit Sell Price
3HE07592AA	RTU - 7950 XRS VLL64k	\$ 75,000	\$ 45,000
3HE09023AA	RTU - 7950 XRS VLL192k	\$ 100,000	\$ 60,000
<b>SAP LICENSES</b>			
3HE07469AA	RTU - 7950 XRS SAP32k	\$ 5,000	\$ 3,000
3HE07593AA	RTU - 7950 XRS SAP64k	\$ 35,000	\$ 21,000
3HE09024AA	RTU - 7950 XRS SAP256k	\$ 70,000	\$ 42,000
<b>ADVANCED PEERING LICENSES</b>			
3HE07470AA	RTU - 7950 XRS ADV Peering	\$ 20,000	\$ 12,000
<b>ADVANCED BGP LICENSES</b>			
3HE07471AA	RTU - 7950 XRS ADV BGP	\$ 20,000	\$ 12,000
<b>LAWFUL INTERCEPT LICENSES</b>			
3HE07472AA	RTU - 7950 XRS LI	\$ 30,000	\$ 18,000
<b>cFLOWD LICENSES</b>			
3HE07473AA	RTU - 7950 XRS cFlowd Basic	\$ 20,000	\$ 12,000
3HE09025AA	RTU - 7950 XRS cFlowd Performance	\$ 40,000	\$ 24,000
<b>FIB LICENSES</b>			
3HE09026AA	RTU - 7950 XRS IP-FIB MAX	\$ 30,000	\$ 18,000
3HE09027AA	RTU - 7950 XRS MAC-FIB MAX	\$ 30,000	\$ 18,000
<b>1588 PTP License</b>			
3HE10958AA	RTU - 7950 XRS IEEE1588 PTP	\$ 25,000	\$ 15,000
<b>Switch Fabric Module (SFM)</b>			
3HE08021AA	SFM - 7950 XRS-20 SFM-B	\$ 75,000	\$ 45,000
3HE08505AA	SFM - 7950 XRS-20 SFM-X20S-B	\$ 65,000	\$ 39,000
3HE07116AA	CPM - 7950 XRS-20 CPM	\$ 140,000	\$ 84,000
3HE07116AB	CPM - 7950 XRS-20 CPM 16GB	\$ 145,000	\$ 87,000
<b>XCMs (XMA Control Module that accepts C-XMAs and XMAs)</b>			
3HE11087AA	XCM - 7950 XRS 20e XCM	\$ 50,000	\$ 30,000
<b>C-XMA/XMA QoS Licenses - Each License applied on a per C-XMA/XMA basis.</b>			
3HE07475AA	RTU - 7950 XRS XMA QoS8k	\$ 150,000	\$ 90,000
<b>C-XMA &amp; XMA - IPCore Level</b>			
3HE06937AA	C-XMA - 7950 XRS 20pt 10GE SFP+ - IPCore	\$ 450,000	\$ 270,000
3HE06938AA	C-XMA - 7950 XRS 2pt 100GE CFP - IPCore	\$ 500,000	\$ 300,000
3HE07297AA	XMA - 7950 XRS 40pt 10GE SFP+ - IPCore	\$ 800,000	\$ 480,000
3HE07299AA	XMA - 7950 XRS 4pt 100GE CXP - IPCore	\$ 890,000	\$ 534,000
3HE08214AA	C-XMA - 7950 XRS 6pt 40GE QSFP+ - IPCore	\$ 500,000	\$ 300,000
3HE08632AA	XMA - 7950 XRS 4pt 100GE CFP2 - IPCore	\$ 890,000	\$ 534,000
3HE08631AA	CXMA - 7950 XRS 72pt 1G CSFP/SFP- IPCore	\$ 350,000	\$ 210,000
3HE10677AA	XMA - 7950 XRS 2pt 100GE INT DWDM - Ipcore	\$ 590,000	\$ 354,000
<b>C-XMA &amp; XMA - LSR Level</b>			
3HE06937BA	C-XMA - 7950 XRS 20pt 10GE SFP+ - LSR	\$ 200,000	\$ 120,000
3HE06938BA	C-XMA - 7950 XRS 2pt 100GE CFP - LSR	\$ 225,000	\$ 135,000
3HE07297BA	XMA - 7950 XRS 40pt 10GE SFP+ - LSR	\$ 350,000	\$ 210,000
3HE07299BA	XMA - 7950 XRS 4pt 100GE CXP - LSR	\$ 400,000	\$ 240,000
3HE08214BA	C-XMA - 7950 XRS 6pt 40GE QSFP+ - LSR	\$ 225,000	\$ 135,000
3HE08632BA	XMA - 7950 XRS 4pt 100GE CFP2 - LSR	\$ 400,000	\$ 240,000
3HE08631BA	CXMA - 7950 XRS 72pt 1G CSFP/SFP- LSR	\$ 150,000	\$ 90,000
3HE10677BA	XMA - 7950 XRS 2pt 100GE TUNABLE - LSR	\$ 590,000	\$ 354,000
<b>C-XMA &amp; XMA Upgrade licenses</b>			
3HE07476AA	LIC UP - 7950 20x10G LSR to IPCore	\$ 300,000	\$ 180,000
3HE07477AA	LIC UP - 7950 2x100G LSR to IPCore	\$ 325,000	\$ 195,000
3HE07479AA	LIC UP - 7950 40x10G LSR to IPCore	\$ 550,000	\$ 330,000
3HE07481AA	LIC UP - 7950 4x100G LSR to IPCore	\$ 600,000	\$ 360,000
3HE08216AA	LIC UP - 7950 6x40G LSR to IPCore	\$ 300,000	\$ 180,000
3HE09171AA	LIC UP - 7950 72x1G LSR to IPCore	\$ 250,000	\$ 150,000
<b>Spare Parts</b>			
3HE11097AA	7950 XRS-20e Power Input Module	\$ 6,100	\$ 3,660
3HE11093AA	7950 XRS-20e Dual Power Connect Module	\$ 3,100	\$ 1,860
3HE10474AA	ACC 7950 XRS-20 80A BREAKERS (x24)	\$ 2,078	\$ 1,247
3HE07112AA	CH-BN - 7950 XR-20 Integrated Chassis	\$ 260,000	\$ 156,000
3HE07113AA	CHAS - 7950 XRS-20 Spare Chassis	\$ 240,000	\$ 144,000
3HE11085AA	CHAS-7950 XRS-20e Universal Spare Chassis	\$ 350,000	\$ 210,000
3HE11086AA	CHAS-7950 XRS-20e AC/HVDC Spare Chassis	\$ 260,000	\$ 156,000
3HE07117AA	CCM - 7950 XRS-20 CCM	\$ 15,000	\$ 9,000
3HE07118AB	ACC - 7950 XRS-20 Air & APEQ Filter (x5)	\$ 6,300	\$ 3,780
3HE11090AA	ACC-7950 XRS-20e Air filter Kit	\$ 2,200	\$ 1,320
3HE07119AA	FAN - 7950 XRS-20 Fan Tray	\$ 11,900	\$ 7,140
3HE11088AA	7950 XRS-20e Fan Tray	\$ 30,000	\$ 18,000
3HE07388AA	ACC - XCM Impedance Panel	\$ 2,700	\$ 1,620
3HE11089AA	ACC - 7950 XCM-20e Impedance Panel	\$ 3,890	\$ 2,334
3HE07389AA	ACC - SFM/CPM Impedance Panel	\$ 2,000	\$ 1,200
3HE07390AA	ACC - XMA Impedance Panel	\$ 1,400	\$ 840
3HE07391AA	ACC - C-XMA Mech Adapter	\$ 850	\$ 510
3HE07392AA	ACC - C-XMA Impedance panel	\$ 1,300	\$ 780
3HE10275AA	ACC - XRS-20 pwr stud repair kit	\$ 650	\$ 390
3HE08961AA	ACC- 7950 XRS-20 FRONT PROTECTION PANEL	\$ 11,500	\$ 6,900
3HE11091AA	ACC-7950 XRS-20e FRONT PROTECTION PANEL	\$ 5,100	\$ 3,060

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Part No	Description	Unit GLP	Unit Sell Price
3HE08962AA	ACC- 7950 XRS-20 REAR PROTECTION PANEL	\$ 10,600	\$ 6,360
3HE11092AA	ACC-7950 XRS-20e REAR PROTECTION PANEL	\$ 9,000	\$ 5,400
3HE09879AA	ACC-7950 XRS-20 Air filter assembly	\$ 2,600	\$ 1,560
3HE07373AA	ACC - 7950 XRS-20 TOP PLENUM ACCESSORY	\$ 4,500	\$ 2,700
3HE09173AA	ACC - 7950 XRS-40 REAR CABLE GUIDE KIT	\$ 2,995	\$ 1,797
3HE07927AA	QSFP+ 40GE SR4 10M ROHS6/6 0/70C	\$ 1,500	\$ 900
3HE07927AB	QSFP+ 40GE SR4 30M ROHS6/6 0/70C	\$ 1,800	\$ 1,080
3HE07268AA	CBL - 7950 XRS-40 SPARE B2B OPTICAL CABLE, 10M	\$ 11,000	\$ 6,600
3HE07268AB	CBL - 7950 XRS-40 SPARE B2B OPTICAL CABLE, 30M	\$ 14,000	\$ 8,400
3HE07979AA	ACC - XCM Impedance Panel (5 pack)	\$ 9,000	\$ 5,400
<b>7750 Mobile Gateway</b>			
<b>Mobile Gateway ISM</b>			
3HE10556AA	7750 SR Mobile Gateway ISM-MG-C	\$ 400,000	\$ 240,000
3HE10557AA	7750 SR Mobile Gateway ISM-MG-C-E	\$ 400,000	\$ 240,000
<b>Software</b>			
3HE04795TA	OS - 7750 SR R8.0 OS-MG LICENSE	\$ 10,000	\$ 6,000
3HE04795UA	OS - 7750 SR R09.0 OS-MG LICENSE	\$ 10,000	\$ 6,000
3HE04798AA	SGW APPLICATION SOFTWARE LICENSE	\$ 40,000	\$ 24,000
3HE04799AA	PGW/GGSN APPLICATION SOFTWARE LICENSE	\$ 40,000	\$ 24,000
3HE04796AA	SGW RTU LIC FOR 10K BEARERS	\$ 20,000	\$ 12,000
3HE04797AA	PGW/GGSN RTU LIC FOR 10K BRS/PDP CTX	\$ 40,000	\$ 24,000
3HE07315AA	RTU PGW/GGSN AA License per 10K bearers	\$ 4,000	\$ 2,400
3HE07778AA	RTU PGW/GGSN Stateful Firewall 10K bear	\$ 2,000	\$ 1,200
3HE09970AA	RTU MGW AA URL Filter 10k Subs	\$ 1,000	\$ 600
3HE10024AA	RTU MGW AA IBN 10K Subs	\$ 1,000	\$ 600
3HE10025AA	RTU MGW AA ICAP control 10k Subscribers	\$ 20,000	\$ 12,000
3HE10026AA	RTU MGW AA RTP Perf 10k Subs	\$ 12,500	\$ 7,500
<b>ePDG</b>			
3HE09577AA	ePDG Application Software License	\$ 40,000	\$ 24,000
3HE09578AA	ePDG RTU LIC FOR 10K Bearers	\$ 20,000	\$ 12,000
<b>TWAG</b>			
3HE11352AA	TWAG Application Software License	\$ 40,000	\$ 24,000
3HE11353AA	TWAG RTU LIC FOR 10K subscribers	\$ 25,000	\$ 15,000
<b>SSG</b>			
3HE11342AA	SSG Application Software License	\$ 40,000	\$ 24,000
3HE11343AA	SSG RTU LIC FOR 10K subscribers	\$ 25,000	\$ 15,000
3HE12080AA	7750 SR MG ISM-MG-C FOR SSG BASE	\$ 160,000	\$ 96,000
3HE12081AA	RTU 7750 SR MG ISM-MG-C SSG FULL UPG	\$ 240,000	\$ 144,000
3HE12082AA	7750 SR MG ISM-MG-C-E FOR SSG BASE	\$ 160,000	\$ 96,000
3HE12083AA	RTU 7750 SR MG ISM-MG-C-E BASE FULL UPG	\$ 240,000	\$ 144,000
<b>Input/Output Module (IOMs)</b>			
3HE03619AA	IOM - 7750 SR IOM3-XP	\$ 60,000	\$ 36,000
<b>7750 VSR</b>			
<b>Virtualized Service Router ASL</b>			
3HE09180AA	SSF VSR-RR Route Reflector-Level 1	\$ 18,000	\$ 10,800
3HE09181AA	SSF VSR-RR Route Reflector-Level 2	\$ 30,000	\$ 18,000
3HE09019CA	ASL R14.0 VSR-RR RouteReflector-Level 1	\$ 60,000	\$ 36,000
3HE09020CA	ASL R14.0 VSR-RR RouteReflector-Level 2	\$ 100,000	\$ 60,000
3HE09407CA	ASL R14.0 VSIM Simulator	\$ 5,000	\$ 3,000
3HE11380AA	ASL VSR BGP Route Reflector	\$ 50,000	\$ 30,000
3HE09407DA	ASL R15.0 VSIM Simulator	\$ 5,000	\$ 3,000
<b>VSR Commons for Distributed VNE</b>			
3HE10934AA	ASL R14.0 VSR Distributed Base	\$ 50,000	\$ 30,000
3HE10935AA	ASL R14.0 VSR Dist Redundant Cil Plane	\$ 20,000	\$ 12,000
3HE10936AA	ASL R14.0 VSR Distributed Base <60Gbps	\$ 25,000	\$ 15,000
3HE11115AA	ASL R14.0 VSR Redund Cil Plane <60Gbps	\$ 10,000	\$ 6,000
3HE10934DA	ASL R15.0 VSR Distributed Base	\$ 50,000	\$ 30,000
3HE10935DA	ASL R15.0 VSR Dist Redundant Cil Plane	\$ 20,000	\$ 12,000
3HE10936DA	ASL R15.0 VSR Distributed Base <60Gbps	\$ 25,000	\$ 15,000
3HE11115DA	ASL R15.0 VSR Redund Cil Plane <60Gbps	\$ 10,000	\$ 6,000
<b>Virtualized Service Router ASL</b>			
3HE11116AA	ASL R14.0 VSR Integrated System Base	\$ 15,000	\$ 9,000
3HE11116DA	ASL R15.0 VSR Integrated System Base	\$ 15,000	\$ 9,000
<b>Virtualized Service Router ASL</b>			
3HE11117AA	ASL 10Gbps BW w Standard QoS	\$ 31,500	\$ 18,900
3HE11118AA	ASL VSR 10Gbps BW w Advanced QoS	\$ 47,500	\$ 28,500
3HE11119AA	ASL VSR 1Gbps BW Standard QoS	\$ 4,500	\$ 2,700
3HE11120AA	ASL VSR 1Gbps BW w Standard QoS	\$ 6,800	\$ 4,080
3HE11121AA	ASL VSR VPN Service 500 instances	\$ 11,500	\$ 6,900
3HE11122AA	ASL VSR VPN Service 100 instances	\$ 3,000	\$ 1,800
3HE11123AA	ASL VSR VPN Service 25 instances	\$ 1,200	\$ 720
3HE11124AA	ASL VSR IP-Tunnel 1k Tunnels	\$ 1,500	\$ 900
3HE11125AA	ASL VSR IP-Tunnel 100 Tunnels	\$ 200	\$ 120
3HE11126AA	ASL VSR Lawful Intercept (LI)	\$ 20,000	\$ 12,000
3HE11127AA	ASL VSR ADV DC GW and Svc Chain	\$ 40,000	\$ 24,000
3HE11128AA	ASL VSR Hybrid OpenFlow Switch	\$ 40,000	\$ 24,000

Part No	Description	Unit GLP	Unit Sell Price
<b>Virtualized Service Router ASL</b>			
3HE11129AA	ASL VSR-BNG 10k Hosts	\$ 30,000	\$ 18,000
3HE11130AA	ASL VSR-BNG 4k Hosts	\$ 15,000	\$ 9,000
<b>VSR-vRGW</b>			
3HE11131AA	ASL VSR-vRGW 10k Hosts	\$ 30,000	\$ 18,000
<b>VSR-LNS</b>			
3HE11132AA	ASL VSR-LNS 1k L2TP Tunnels	\$ 2,000	\$ 1,200
3HE11133AA	ASL VSR-LNS 10k Hosts	\$ 30,000	\$ 18,000
3HE11134AA	ASL VSR-LNS 4k Hosts	\$ 15,000	\$ 9,000
<b>VSR-WLGW</b>			
3HE11135AA	ASL VSR-WLGW 10k Hosts	\$ 7,500	\$ 4,500
3HE11136AA	ASL VSR-WLGW Multiple SSID	\$ 20,000	\$ 12,000
3HE11137AA	ASL-VSR-WLGW Mobility	\$ 20,000	\$ 12,000
3HE11139AA	ASL VSR-WLGW Geo Redundancy	\$ 25,000	\$ 15,000
<b>Value Add Services AA for VSR-BNG, vRGW and for VSR-AA used as transit AA VNF</b>			
3HE11140AA	ASL VSR-AA ID and CTL Res 10k Subs	\$ 40,000	\$ 24,000
3HE11141AA	ASL VSR-AA IBN Res 10k Subs	\$ 10,000	\$ 6,000
3HE11142AA	ASL VSR-AA ICAP Control Res 10k Subs	\$ 100,000	\$ 60,000
3HE11143AA	ASL VSR-AA URL Filter Res 10k Subs	\$ 10,000	\$ 6,000
3HE11144AA	ASL VSR-AA RTP Perf Res 10k Subs	\$ 12,500	\$ 7,500
<b>AA for VSR-WLGW</b>			
3HE11145AA	ASL VSR-AA ID and CTL Wifi 10k Sub	\$ 10,000	\$ 6,000
3HE11146AA	ASL VSR-AA IBN Wifi 10k Subs	\$ 2,500	\$ 1,500
3HE11147AA	ASL VSR-AA ICAP Ctl Wifi 10k Subs	\$ 10,000	\$ 6,000
3HE11148AA	ASL VSR-AA URL Filter Wifi 10k Sub	\$ 2,500	\$ 1,500
<b>AA for VSR-PE and VSR-SeGW</b>			
3HE11149AA	ASL VSR-AA ID and CTL VPN 1 Gbps	\$ 8,000	\$ 4,800
3HE11150AA	ASL VSR-AA ID and CTL VPN 100 Mbps	\$ 1,000	\$ 600
3HE11151AA	ASL VSR-AA Stateful FW VPN 1 Gbps	\$ 5,000	\$ 3,000
3HE11152AA	ASL VSR-AA Stateful FW 100 Mbps	\$ 650	\$ 390
3HE11153AA	ASL VSR-AA RTP Perf VPN 1 Gbps	\$ 5,000	\$ 3,000
3HE11154AA	ASL VSR-AA RTP Perf 100 Mbps	\$ 650	\$ 390
<b>NAT for VSR-PE, VSR-BNG, VSR-LNS, VSR-NAT</b>			
3HE11155AA	ASL VSR-NAT 10k Subs	\$ 3,000	\$ 1,800
3HE11156AA	ASL VSR-NAT 1 Gbps	\$ 3,000	\$ 1,800
3HE11157AA	ASL VSR-NAT Geo Redundancy	\$ 20,000	\$ 12,000
3HE11158AA	ASL VSR-NAT UPnP	\$ 25,000	\$ 15,000
3HE11159AA	ASL VSR L2Aware-NAT	\$ 35,000	\$ 21,000
3HE11160AA	ASL VSR MAP-T 1 Gbps	\$ 1,000	\$ 600
<b>IPSec for VSR-PE and VSR-SeGW</b>			
3HE11161AA	ASL VSR-IPsec 1k Tunnels	\$ 2,200	\$ 1,320
3HE11162AA	ASL VSR-IPsec 100 Mbps	\$ 800	\$ 480
3HE11163AA	ASL VSR-IPsec Geo Redundancy	\$ 50,000	\$ 30,000
<b>VSR-a</b>			
3HE11224AA	VSR-a R14.0 Route Reflector AC	\$ 74,000	\$ 44,400
3HE11224BA	VSR-a R14.0 Route Reflector DC	\$ 76,000	\$ 45,600
3HE12032AA	DC Power Supply Cable	\$ 125	\$ 75
<b>CMG-AA</b>			
3HE11791AA	ASL R9.0 CMG-AA TCP Optimization 10K Subs	\$ 6,800	\$ 1,420
3HE11792AA	ASL R9.0 CMG-AA DEM Gateway 10K Subs	\$ 8,250	\$ 2,840
<b>7705 SAR</b>			
<b>7705 SAR-8 (-48 VDC) Cards/Modules</b>			
3HE02776AB	8 PORT GE/FE ETHERNET CARD V2	\$ 5,200	\$ 3,120
3HE02776CB	8 PORT GE/FE ETHERNET CARD V2 / CONFORMAL COATED	\$ 5,850	\$ 3,510
3HE03125AA	4 PORT OC-3/STM-1 CLEAR CHANNEL CARD	\$ 18,000	\$ 10,800
3HE03125BA	4 PORT OC-3/STM-1 CLEAR CHANNEL CARD / CONFORMAL COATED	\$ 20,200	\$ 12,120
3HE03127AA	2P OC3/STM1 CHANNELIZED ADAPTER CARD	\$ 21,000	\$ 12,600
3HE03127BA	2P OC3/STM1 CHANNELIZED ADAPTER CARD/CONFORMAL COATED	\$ 23,550	\$ 14,130
3HE04962AA	4 PORT T3/E3 CARD	\$ 18,000	\$ 10,800
3HE03126AA	6 port E&M Interface Card	\$ 4,200	\$ 2,520
3HE03126BA	6 port E&M Interface Card / Conformal Coated	\$ 4,750	\$ 2,850
3HE07152AA	Power Injector Card	\$ 1,300	\$ 780
3HE07152BA	Power Injector Card / Conformal Coated	\$ 2,300	\$ 1,380
<b>7705 SAR-8 (+24 VDC) Cards/Modules</b>			
3HE02776BA	8 PORT GE/FE ETHERNET CARD V2 (+24VDC)	\$ 5,200	\$ 3,120
3HE02776DA	8 PORT GE/FE ETHERNET CARD V2 (+24VDC) / CONFORMAL COATED	\$ 5,850	\$ 3,510
3HE04962BA	4 PORT T3/E3 CARD (+24VDC)	\$ 18,000	\$ 10,800
<b>7705 SAR-8 (Dual -48/+24 VDC Support) Cards/Modules</b>			
3HE02774AB	CONTROL SWITCH MODULE V2 (CSMV2)	\$ 3,500	\$ 2,100
3HE02774CB	CONTROL SWITCH MODULE V2 (CSMV2) / CONFORMAL COATED	\$ 4,050	\$ 2,430
3HE06792EA	Fan Module (SAR-8 Shelf V2) Ext Temp	\$ 1,100	\$ 660
3HE06792FA	Fan Module (SAR-8 Shelf V2) Ext Temp / CONFORMAL COATED	\$ 1,800	\$ 1,080
3HE02772AA	Auxiliary Alarm Card (-48/+24 VDC)	\$ 6,000	\$ 3,600
3HE02772BA	Auxiliary Alarm Card (-48/+24 VDC) / CONFORMAL COATED	\$ 6,750	\$ 4,050
3HE02781AA	32 PORT T1/E1 ASAP CARD (-48/+24 VDC)	\$ 7,000	\$ 4,200
3HE02775AB	16 PORT T1/E1 ASAP CARD V2 (-48/+24 VDC)	\$ 4,200	\$ 2,520

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Part No	Description	Unit GLP	Unit Sell Price
3HE02775CB	16 PORT T1/E1 ASAP CARD V2 (-48/+24 VDC) / CONFORMAL COATED	\$ 4,750	\$ 2,850
3HE06151AA	8 PORT GE SFP CARD (-48/+24 VDC)	\$ 6,200	\$ 3,720
3HE06151BA	8 PORT GE SFP CARD (-48/+24 VDC) /CONFORMAL COATED	\$ 7,200	\$ 4,320
3HE06151AC	8 PORT GE SFP CARD V3 (-48/+24 VDC)	\$ 7,750	\$ 4,650
3HE06151BC	8 PORT GE SFP CARD V3 (-48/+24 VDC) /CONFORMAL COATED	\$ 8,800	\$ 5,280
3HE07938AA	4P OC3/STM1-1P OC12/STM4 (-48/+24 VDC) CHANNELIZED ADAPTER CAR	\$ 29,000	\$ 17,400
3HE02782AA	Packet Microwave Card (-48/+24 VDC)	\$ 6,200	\$ 3,720
3HE02782BA	Packet Microwave Card (-48/+24 VDC) / CONFORMAL COATED	\$ 7,000	\$ 4,200
3HE06006AA	8 Port Voice & Teleprotection Card (-48/+24 VDC)	\$ 5,500	\$ 3,300
3HE06006BA	8 Port Voice & Teleprotection Card (-48/+24 VDC) / CONFORMAL COATED	\$ 6,200	\$ 3,720
3HE07942AA	Integrated Services Card	\$ 4,000	\$ 2,400
3HE07942BA	INTEGRATED SERVICES CARD (ISC) cc	\$ 6,000	\$ 3,600
3HE06794AA	8 port FXO line card (-48/+24 VDC)	\$ 5,000	\$ 3,000
3HE06794BA	8 port FXO line card (-48/+24 VDC) / CONFORMAL COATED	\$ 5,600	\$ 3,360
3HE06789AA	2 PORT 10GIGE (RING) XFP CARD (-48/+24 VDC)	\$ 10,200	\$ 6,120
3HE06789BA	2 PORT 10GIGE (RING) XFP CARD (-48/+24 VDC) / CONFORMAL COATED	\$ 11,450	\$ 6,870
3HE07943AA	2P 10GE+4P GE 10G ETH CARD (-48/+24VDC)	\$ 14,700	\$ 8,820
3HE07943BA	2P 10GE+4P GE 10G ETH CARD (-48/+24VDC)/CONFORMAL COATED	\$ 16,000	\$ 9,600
3HE03391AB	12P SERIAL DATA CARD V2 -48/+24VDC	\$ 7,600	\$ 4,560
3HE03391BB	12P SERIAL DATA CARD V2 -48/+24VDC/CONFORMAL COATED	\$ 8,400	\$ 5,040
3HE02780AA	6 port FXS line card (-48/+24 VDC)	\$ 5,000	\$ 3,000
3HE02780BA	6 port FXS line card (-48/+24 VDC) / CONFORMAL COATED	\$ 5,600	\$ 3,360
3HE07954AA	SAR-8/18 MULTI-GNSS RECEIVER MDA	\$ 6,000	\$ 3,600
3HE07954BA	SAR-8/18 MULTI-GNSS RECEIVER MDA cc	\$ 8,000	\$ 4,800
<b>7705 SAR-8 Chassis/Cables/Panels (For both -48/+24 VDC systems)</b>			
3HE06791AA	SAR-8 SHELF V2	\$ 2,500	\$ 1,500
3HE06791BA	SAR-8 SHELF V2/CONFORMAL COATED	\$ 3,000	\$ 1,800
3HE03399AB	T1/E1 CABLE 26 AWG OPEN-ENDED 30M	\$ 1,500	\$ 900
3HE03398AB	T1/E1 CABLE 26 AWG OPEN-ENDED 15M	\$ 750	\$ 450
3HE03397AA	T1/E1 CABLE FOR DISTRIBUTION PANEL 1M	\$ 200	\$ 120
3HE03397BB	T1/E1 Cable for Distribution Panel 1.6 m Cross-Over Configuration	\$ 200	\$ 120
3HE03395AA	32 PORT E1 BNC PANEL	\$ 3,200	\$ 1,920
3HE03394AA	32 PORT T1/E1 RJ45 PANEL	\$ 1,500	\$ 900
3HE06420AA	Hardened distribution panel mounting bracket kit	\$ 175	\$ 105
3HE03401AA	SYNCHRONIZATION Y- CABLE	\$ 150	\$ 90
3HE04506AB	V.35 CABLE - 2M	\$ 850	\$ 510
3HE04507AB	RS232 CABLE PAIR - 2M	\$ 850	\$ 510
3HE04509AD	OPEN ENDED SDI CABLE PAIR - 10M	\$ 1,500	\$ 900
3HE04508AB	X.21 CABLE - 2M	\$ 1,200	\$ 720
3HE08608AA	X.21 TO RS530 DCE ADAPTOR CABLE - 1M	\$ 150	\$ 90
3HE04510AA	6 PORT V.35 DISTRIBUTION PANEL	\$ 1,100	\$ 660
3HE04511AA	6 PORT RS232 DISTRIBUTION PANEL	\$ 1,100	\$ 660
3HE04512BA	6 PORT X.21 DISTRIBUTION PANEL V2	\$ 1,100	\$ 660
3HE03054AA	SAR-8 Spare Blanking Plates (6 Pack)	\$ 400	\$ 240
3HE05260AA	7705 SAR-M ETSI Adapters	\$ 250	\$ 150
3HE04990AA	RJ45 TO BNC ADAPTER CABLES - 2 PACK	\$ 900	\$ 540
3HE02783AA	Aux Alarm Cable with Amp 64 Connector - 3M	\$ 700	\$ 420
3HE07771AA	7705 SAR-8 DC Port Surge Protector Kit	\$ 2,000	\$ 1,200
3HE10338AA	External Surge Protection Kit	\$ 2,300	\$ 1,380
3HE10339AA	CPX DC Defender Modules	\$ 650	\$ 390
<b>7705 SAR-18 Systems</b>			
3HE04991AA	SAR-18 SHELF	\$ 10,000	\$ 6,000
3HE04992AA	CONTROL SWITCH MODULE FOR SAR-18	\$ 7,500	\$ 4,500
3HE04993AA	FAN MODULE FOR SAR-18	\$ 2,500	\$ 1,500
3HE04994AA	ALARM MODULE FOR SAR-18	\$ 750	\$ 450
3HE06153AC	1 PORT 10GE / 10 PORT 1GE 10G-CARD V2	\$ 37,500	\$ 22,500
3HE04995AA	AIR FILTER FOR SAR-18 (4 pack)	\$ 600	\$ 360
3HE06022AA	CSM Blanking Plate for SAR-18	\$ 450	\$ 270
<b>7705 SAR-A Systems</b>			
3HE06797AA	SAR-A W/ 12 ENET 8 T1/E1 -48 VDC	\$ 13,200	\$ 7,920
3HE06796AA	SAR-A W/ 12 ENET -48 VDC	\$ 9,500	\$ 5,700
<b>7705 SAR-Ax Systems</b>			
3HE10329AA	SAR-Ax W/ 12p ENET and GNSS, -48/+24 VDC	\$ 12,500	\$ 7,500
<b>7705 SAR-H Systems, Modules, Power Supplies and Accessories</b>			
3HE06969AA	SAR-H High Voltage Shelf	\$ 12,000	\$ 7,200
3HE06969CA	SAR-H High Voltage Shelf /CONFORMAL COATED	\$ 13,500	\$ 8,100
3HE06969BA	SAR-H Low Voltage Shelf	\$ 12,000	\$ 7,200
3HE06969DA	SAR-H Low Voltage Shelf /CONFORMAL COATED	\$ 13,450	\$ 8,070
3HE06973AA	SAR-H T1/E1/Serial Combo Module	\$ 2,500	\$ 1,500
3HE06973BA	SAR-H T1/E1/Serial Combo Module / CONFORMAL COATED	\$ 3,050	\$ 1,830
3HE09303AA	SAR-H 4 Port Fast Ethernet module	\$ 2,500	\$ 1,500
3HE09303BA	SAR-H 4 Port Fast Ethernet module / CONFORMAL COATED	\$ 3,350	\$ 2,010
3HE06970AA	100W 48V DC Power Supply - HV Input	\$ 3,700	\$ 2,220
3HE06970CA	100W 48V DC Power Supply - HV Input/Conformal Coated	\$ 4,400	\$ 2,640
3HE06970BA	100W 48V DC Power Supply - LV Input	\$ 5,300	\$ 3,180
3HE06970DA	100W 48V DC Power Supply - LV Input /Conformal Coated	\$ 6,000	\$ 3,600

Part No	Description	Unit GLP	Unit Sell Price
3HE06971AA	SAR-H PoE Power Supply mounting tray	\$ 450	\$ 270
3HE07769AA	7705 SAR-H Wall/reverse rack mounting kit	\$ 450	\$ 270
3HE07770AA	7705 SAR-H PoE Wall Mount kit	\$ 450	\$ 270
3HE07955AA	SAR-H GPS Receiver Module	\$ 5,000	\$ 3,000
3HE07961AA	SAR-H/8/18 1M GPS CABLE (DIN/DIN)	\$ 250	\$ 150
3HE07962AA	SAR-H/8/18 1M GPS Cable (DIN/N)	\$ 250	\$ 150
<b>7705 SAR-Hc Systems and Accessories</b>			
3HE07353AA	SAR-HC	\$ 6,750	\$ 4,050
3HE07353BA	SAR-HC W/ CONFORMAL COAT	\$ 7,600	\$ 4,560
3HE07945AA	SAR-HC Panel Mounting H/W Kit - Rear Mount	\$ 250	\$ 150
3HE07945AB	SAR-Hc Panel Mounting H/W Kit - Side Mount	\$ 250	\$ 150
3HE07357AA	SAR-HC Din Mounting H/W KIT -Rear Mount	\$ 250	\$ 150
3HE07357AB	SAR-HC Din Mounting H/W Kit -Side Mount	\$ 250	\$ 150
<b>7705 SAR-M Systems and Accessories</b>			
3HE05051AB	SAR-M with 16 T1/E1, 7 GigE, -48/+24 VDC	\$ 13,200	\$ 7,920
3HE05051BB	SAR-M W 16 T1/E1, 7 GIGE, -48/+24 VDC/CONFORMAL COAT	\$ 14,800	\$ 8,880
3HE05653AA	SAR-M with 7 GigE, -48/+24 VDC	\$ 9,500	\$ 5,700
3HE05653BA	SAR-M with 7 GigE, -48/+24 VDC /CONFORMAL COAT	\$ 10,650	\$ 6,390
3HE09170AA	6 PORT ETHERNET MODULE FOR SAR-M	\$ 3,300	\$ 1,980
3HE09170BA	6 PORT ETHERNET MODULE FOR SAR-M / CONFORMAL COATED	\$ 4,225	\$ 2,535
3HE06788AA	2 Port 10GIGE (Ring) Module -SAR-M	\$ 5,200	\$ 3,120
3HE06788BA	2 Port 10GIGE (Ring) Module -SAR-M / CONFORMAL COATED	\$ 5,850	\$ 3,510
3HE09411AA	Ethernet Cable with RJ.5 and RJ45 connectors (6M)	\$ 150	\$ 90
3HE09411BA	Ethernet Cable with RJ.5 and RJ45 connectors (20M)	\$ 400	\$ 240
3HE09411CA	Ethernet Cable with RJ.5 and RJ45 connectors (50M)	\$ 900	\$ 540
<b>7705 SAR-W System and Accessories</b>			
3HE07349AA	SAR-W with 5 Ethernet GigE ports, AC and DC Power	\$ 11,500	\$ 6,900
3HE07800AA	SAR-W Mounting Bracket Kit	\$ 500	\$ 300
3HE09389AA	SAR-W Strand Mounting Bracket	\$ 810	\$ 486
3HE09584AA	SAR-W Cosmetic Paintable Wrap Around	\$ 810	\$ 486
3HE09698AA	SAR-W and SAR-O Rack/Cabinet Mounting Bracket Kit	\$ 810	\$ 486
3HE07803BA	SAR-W DC Power Cable (12m)	\$ 500	\$ 300
<b>7705 SAR-Wx Systems and Accessories</b>			
3HE07614AA	SAR-Wx w 5 GigE & AC pwr	\$ 10,500	\$ 6,300
3HE07615AA	SAR-Wx w 5 GigE, GPS Rx & AC pwr	\$ 13,500	\$ 8,100
3HE07616AA	SAR-Wx w 5 GigE, PoE+, & AC pwr	\$ 11,500	\$ 6,900
3HE07617AA	SAR-Wx w 5 GigE,PoE+,GPS Rx & AC pwr	\$ 14,500	\$ 8,700
3HE07618AA	SAR-Wx w 4 GigE, 4p xDSL & AC pwr	\$ 11,500	\$ 6,900
3HE07619AA	SAR-Wx w 4 GigE,4p xDSL,GPS Rx & AC pwr	\$ 14,500	\$ 8,700
3HE07957AA	SAR-Wx Pole/Wall Mounting Bracket	\$ 750	\$ 450
3HE07958AA	SAR-Wx Strand Mounting Bracket	\$ 450	\$ 270
3HE07959AA	SAR-Wx GPS Antenna Mounting	\$ 500	\$ 300
3HE07960AA	SAR-Wx 0.35m GPS Cable	\$ 250	\$ 150
<b>7705 SAR-W/Wx Common Accessories</b>			
3HE07803AA	SAR-W/Wx AC Power Cable (12m)	\$ 400	\$ 240
3HE07801AA	Carrying Handle Kit for SAR-W or SAR-Wx	\$ 175	\$ 105
3HE07804AA	SAR-W/Wx Ethernet Cable Kit	\$ 350	\$ 210
3HE07804BA	SAR-W/Wx Ethernet Cable Kit (0.3m)	\$ 700	\$ 420
<b>7705 SAR-X Systems and Accessories</b>			
3HE08533AA	SAR-X ( AC System )	\$ 24,550	\$ 14,730
3HE08534AA	SAR-X ( DC System )	\$ 24,550	\$ 14,730
3HE08534BA	SAR-X ( DC System ) W/ CONFORMAL COAT	\$ 25,700	\$ 15,420
3HE09257AA	7705 SAR-X Air Filter Media replacement kit (10)	\$ 400	\$ 240
<b>SAR Power Supply</b>			
3HE05838AA	250W 120/240V AC power converter	\$ 1,550	\$ 930
3HE05837BA	7705 AC power converter pigtail - O-ring	\$ 260	\$ 156
3HE06972AB	PSE Certified 100W High Voltage Power Supply	\$ 750	\$ 450
3HE10447AA	AC POWER CABLE, LOCKING, 8FT, JAPAN	\$ 275	\$ 165
3HE10040AA	AC POWER CABLE, LOCKING, 8FT, NA	\$ 275	\$ 165
3HE10041AA	AC POWER CABLE, LOCKING, 8FT, EUR	\$ 275	\$ 165
<b>GPS/GNSS Antennas</b>			
3HE11035AA	GNSS ANTENNA 26 dB GAIN	\$ 1,600	\$ 960
3HE11035AB	GNSS ANTENNA 40 dB GAIN	\$ 1,600	\$ 960
3HE11036AA	GPS ANTENNA 26 dB GAIN	\$ 1,300	\$ 780
3HE11036AB	GPS ANTENNA 40 dB GAIN	\$ 1,300	\$ 780
<b>7705 Software OS</b>			
3HE02784JA	SAR RELEASE 7.0 BASIC OS LICENSE	\$ 850	\$ 510
3HE02784KA	SAR RELEASE 8.0 BASIC OS LICENSE	\$ 850	\$ 510
3HE05574FA	SAR-18 RELEASE 7.0 BASIC OS LICENSE	\$ 1,500	\$ 900
3HE05574GA	SAR-18 RELEASE 8.0 BASIC OS LICENSE	\$ 1,500	\$ 900
<b>7705 Software OS Upgrades</b>			
3HE02785JA	SAR RELEASE 7.0 BASIC OS UPGRADE	\$ 750	\$ 450
3HE02785KA	SAR RELEASE 8.0 BASIC OS UPGRADE	\$ 750	\$ 450
3HE06681FA	SAR-18 RELEASE 7.0 BASIC OS UPGRADE	\$ 1,200	\$ 720
3HE06681GA	SAR-18 RELEASE 8.0 BASIC OS UPGRADE	\$ 1,200	\$ 720
<b>7705 IPSEC (Basic Upgrade: Full) RTUs</b>			



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Part No	Description	Unit GLP	Unit Sell Price
3HE08607EA	RTU - 7705 SAR-8 Basic IPsec LICENSE	\$ 2,300	\$ 1,380
3HE08607EB	RTU - 7705 SAR-8 UP-Basic to Full IPsec	\$ 3,430	\$ 2,058
3HE08607EC	RTU - 7705 SAR-8 Full IPsec LICENSE	\$ 4,500	\$ 2,700
3HE08607FA	RTU - 7705 SAR-18 Basic IPsec LICENSE	\$ 3,000	\$ 1,800
3HE08607FB	RTU - 7705 SAR-18 UP-Basic to Full IPsec	\$ 4,500	\$ 2,700
3HE08607FC	RTU - 7705 SAR-18 Full IPsec LICENSE	\$ 6,000	\$ 3,600
3HE08607HA	RTU - 7705 SAR-Ax Basic IPsec LICENSE	\$ 1,500	\$ 900
3HE08607HB	RTU - 7705 SAR-Ax UP-Basic to Full IPsec	\$ 2,250	\$ 1,350
3HE08607HC	RTU - 7705 SAR-Ax Full IPsec LICENSE	\$ 3,000	\$ 1,800
3HE08607CA	RTU - 7705 SAR-W Basic IPsec LICENSE	\$ 1,500	\$ 900
3HE08607CB	RTU - 7705 SAR-W UP-Basic to Full IPsec	\$ 2,250	\$ 1,350
3HE08607CC	RTU - 7705 SAR-W Full IPsec LICENSE	\$ 3,000	\$ 1,800
3HE08607DA	RTU - 7705 SAR-Wx Basic IPsec LICENSE	\$ 1,500	\$ 900
3HE08607DB	RTU - 7705 SAR-Wx UP-Basic to Full IPsec	\$ 2,250	\$ 1,350
3HE08607DC	RTU - 7705 SAR-Wx Full IPsec LICENSE	\$ 3,000	\$ 1,800
3HE08607AA	RTU - 7705 SAR-H Basic IPsec LICENSE	\$ 1,500	\$ 900
3HE08607AB	RTU - 7705 SAR-H UP-Basic to Full IPsec	\$ 2,250	\$ 1,350
3HE08607AC	RTU - 7705 SAR-H Full IPsec LICENSE	\$ 3,000	\$ 1,800
3HE08607BA	RTU - 7705 SAR-Hc Basic IPsec LICENSE	\$ 1,500	\$ 900
3HE08607BB	RTU - 7705 SAR-Hc UP-Basic to Full IPsec	\$ 2,250	\$ 1,350
3HE08607BC	RTU - 7705 SAR-Hc Full IPsec LICENSE	\$ 3,000	\$ 1,800
3HE08607GA	RTU - 7705 SAR-X Basic IPsec LICENSE	\$ 2,300	\$ 1,380
3HE08607GB	RTU - 7705 SAR-X UP-Basic to Full IPsec	\$ 3,430	\$ 2,058
3HE08607GC	RTU - 7705 SAR-X Full IPsec LICENSE	\$ 4,500	\$ 2,700
<b>7705 NGE RTUs</b>			
3HE09259EA	RTU - 7705 SAR-8 NGE LICENSE	\$ 6,000	\$ 3,600
3HE09259FA	RTU - 7705 SAR-18 NGE LICENSE	\$ 8,000	\$ 4,800
3HE09259HA	7705 SAR-Ax NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259CA	RTU - 7705 SAR-W NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259DA	RTU - 7705 SAR-Wx NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259AA	RTU - 7705 SAR-H NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259BA	RTU - 7705 SAR-Hc NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259GA	RTU - 7705 SAR-X NGE LICENSE	\$ 8,000	\$ 4,800
<b>7705 Encryption RTUs</b>			
3HE09302CA	RTU -2P 10GE+4P GE 10G ETH ENCRYPTION	\$ 1,500	\$ 900
3HE09302AA	RTU-8 PORT GE SFP CARD V3 Encrypt	\$ 1,500	\$ 900
3HE09302BA	RTU -1P 10GE/10P 1GE 10G CARD V2 Encrypt	\$ 5,000	\$ 3,000
<b>7705 Firewall RTUs</b>			
3HE09747AA	RTU - 7705 SAR Basic SW FW LICENSE	\$ 2,000	\$ 1,200
3HE09747BA	RTU -8 PORT GE SFP CARD FW	\$ 2,000	\$ 1,200
3HE09747BB	RTU -2 PORT 10GIGE (RING) XFP CARD FW	\$ 2,000	\$ 1,200
3HE09747BC	RTU -Packet Microwave Card FW	\$ 2,000	\$ 1,200
3HE09747BD	RTU -1P 10GE/10P 1GE 10G CARD FW	\$ 6,000	\$ 3,600
3HE09747BE	RTU -6p Eth 10GE CARD FW	\$ 6,000	\$ 3,600
3HE09747CE	RTU HW SAR-Ax FW	\$ 2,000	\$ 1,200
3HE09747CA	RTU HW SAR-H FW	\$ 2,000	\$ 1,200
3HE09747CB	RTU HW SAR-Hc FW	\$ 2,000	\$ 1,200
3HE09747CC	RTU HW SAR-Wx FW	\$ 2,000	\$ 1,200
3HE09747CD	RTU HW SAR-X FW	\$ 6,000	\$ 3,600
<b>7705 SW Licenses</b>			
3HE07354AA	RTU - 7705 SAR PoE LICENSE	\$ 800	\$ 480
3HE07354AB	RTU - 7705 IP Multicast LICENSE	\$ 1,700	\$ 1,020
3HE07354AC	RTU - 7705 IEEE1588 Time/Phase LICENSE	\$ 800	\$ 480
3HE11223AA	RTU - 7705 GNSS RTU	\$ 3,000	\$ 1,800
3HE07354AF	MDDB RTU Software license	\$ 50,000	\$ 30,000
3HE07354AH	RTU - MDDB LICENSE (ADDITIONAL NODES)	\$ 2,000	\$ 1,200
3HE07354AJ	RTU - PCM MULTIDROP BRIDGING LICENSE	\$ 50,000	\$ 30,000
3HE07354AK	RTU - PCM MULTIDROP BRIDGING (ADDITIONAL NODES)	\$ 2,000	\$ 1,200
3HE07354AR	RTU - 7705 VPN Multicast LICENSE	\$ 1,700	\$ 1,020
<b>GigE Optics Modules</b>			
3HE09500AA	SFP-100M FX SGMII 2KM ROHS/6 -40/85C	\$ 400	\$ 240
<b>Passive Optical Cards/Modules</b>			
3HE06582BA	SAR-M OADM Add/Drop CWDM 1471	\$ 5,000	\$ 3,000
3HE06582BB	SAR-M OADM Add/Drop CWDM 1491	\$ 5,000	\$ 3,000
3HE06582BC	SAR-M OADM Add/Drop CWDM 1511	\$ 5,000	\$ 3,000
3HE06582BD	SAR-M OADM Add/Drop CWDM 1531	\$ 5,000	\$ 3,000
3HE06582BE	SAR-M OADM Add/Drop CWDM 1551	\$ 5,000	\$ 3,000
3HE06582BF	SAR-M OADM Add/Drop CWDM 1571	\$ 5,000	\$ 3,000
3HE06582BG	SAR-M OADM Add/Drop CWDM 1591	\$ 5,000	\$ 3,000
3HE06582BH	SAR-M OADM Add/Drop CWDM 1611	\$ 5,000	\$ 3,000
3HE06582AA	SAR-8/18 OADM Add/Drop CWDM 1471	\$ 5,000	\$ 3,000
3HE06582AB	SAR-8/18 OADM Add/Drop CWDM 1491	\$ 5,000	\$ 3,000
3HE06582AC	SAR-8/18 OADM Add/Drop CWDM 1511	\$ 5,000	\$ 3,000
3HE06582AD	SAR-8/18 OADM Add/Drop CWDM 1531	\$ 5,000	\$ 3,000
3HE06582AE	SAR-8/18 OADM Add/Drop CWDM 1551	\$ 5,000	\$ 3,000
3HE06582AF	SAR-8/18 OADM Add/Drop CWDM 1571	\$ 5,000	\$ 3,000

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Part No	Description	Unit GLP	Unit Sell Price
3HE06582AG	SAR-8/18 OADM Add/Drop CWDM 1591	\$ 5,000	\$ 3,000
3HE06582AH	SAR-8/18 OADM Add/Drop CWDM 1611	\$ 5,000	\$ 3,000
3HE06583AA	SAR-8/18 OADM Add/Drop 1471/1491	\$ 8,000	\$ 4,800
3HE06583AB	SAR-8/18 OADM Add/Drop 1511/1531	\$ 8,000	\$ 4,800
3HE06583AC	SAR-8/18 OADM Add/Drop 1551/1571	\$ 8,000	\$ 4,800
3HE06583AD	SAR-8/18 OADM Add/Drop 1591/1611	\$ 8,000	\$ 4,800
3HE06584AA	SAR-8/18 OADM 4 color Add/Drop 1471/1491/1511/1531	\$ 8,000	\$ 4,800
3HE06584AB	SAR-8/18 OADM 4 color Add/Drop 1551/1571/1591/1611	\$ 8,000	\$ 4,800
3HE06585AA	SAR-8/18 8 Color Mux/Demux 1471-1611	\$ 10,000	\$ 6,000
<b>7705 SAR-O (Outdoor Passive Optical Chassis)</b>			
3HE07939AA	SAR-O 2-Fiber CWDM 4color 1471-1531	\$ 9,500	\$ 5,700
3HE07939BA	SAR-O 2-Fiber CWDM 4color 1551-1611	\$ 9,500	\$ 5,700
3HE07939CA	SAR-O 2-Fiber CWDM 4 color 1271-1331	\$ 9,500	\$ 5,700
3HE07939DA	SAR-O 2-Fiber CWDM 4 color 1351-1451	\$ 9,500	\$ 5,700
3HE09641AA	SAR-O 2-Fiber CWDM 2 color 1271/1291	\$ 9,500	\$ 5,700
3HE09642AA	SAR-O 2-Fiber CWDM 2 color 1311/1331	\$ 9,500	\$ 5,700
3HE09643AA	SAR-O 2-Fiber CWDM 2 color 1351/1371	\$ 9,500	\$ 5,700
3HE09644AA	SAR-O 2-Fiber CWDM 2 color 1431/1451	\$ 9,500	\$ 5,700
3HE09126AA	SAR-O 2-Fiber CWDM 2 color 1471/1491	\$ 9,500	\$ 5,700
3HE09127AA	SAR-O 2-Fiber CWDM 2 color 1511/1531	\$ 9,500	\$ 5,700
3HE09128AA	SAR-O 2-Fiber CWDM 2 color 1551/1571	\$ 9,500	\$ 5,700
3HE09129AA	SAR-O 2-Fiber CWDM 2 color 1591/1611	\$ 9,500	\$ 5,700
3HE07940AA	SAR-O 1-Fiber CWDM 8 color Mux (Up)	\$ 9,500	\$ 5,700
3HE07940BA	SAR-O 1-Fiber CWDM 8 color Mux (Dn)	\$ 9,500	\$ 5,700
<b>Outdoor Enclosures</b>			
3HE07671AA	-48VDC PWR SURGE PROTECTOR	\$ 1,289	\$ 773
3HE08279BA	24VDC PWR SURGE PROTECTOR	\$ 1,557	\$ 934
3HE08279AA	AC PWR SURGE PROTECTOR	\$ 796	\$ 478
3HE07529AA	Ethernet Surge Protector with 4' CAT6 jumper	\$ 473	\$ 284
3HE07672AA	16-POS BRACKET ENET SURGE PROTECTORS	\$ 381	\$ 229
3HE07673AA	12-POS FIBER SPLICE & TERM TRAY	\$ 1,323	\$ 794
3HE07674AA	24-POS FIBER SPLICE & TERM TRAY	\$ 2,471	\$ 1,483
3HE07676AA	ALP-7705/7210 CABINET BATTERY CABLE KIT	\$ 521	\$ 313
3HE07678AA	ALP-7705/7210 CONCRETE ANCHOR PLATE	\$ 940	\$ 564
3HE07679AA	DC DISTRIBUTION / GMT FUSE PANEL	\$ 1,193	\$ 716
3HE07682AA	AC-DC RECTIFIER SHELF, PWR-ONE, W/O BATTERY BREAKER	\$ 4,056	\$ 2,434
3HE07683AA	AC-DC RECTIFIER SHELF, PWR-ONE, W/BATTERY BREAKER	\$ 5,305	\$ 3,183
<b>7210 SAS</b>			
<b>7210 OS</b>			
3HE11467AA	OS - 7210 SAS-K 2F6C4T Release 9.x	\$ 350	\$ 210
3HE10757AA	OS - 7210 SAS-D Release 8.x (or upgrade to rel 8.x).	\$ 225	\$ 135
3HE10758AA	OS - 7210 SAS-E Release 8.x (or upgrade to rel 8.x).	\$ 375	\$ 225
3HE10759AA	OS - 7210 SAS-M Release 8.x (or upgrade to rel 8.x)	\$ 700	\$ 420
3HE10760AA	OS - 7210 SAS-X Release 8.x (or upgrade to rel 8.x).	\$ 1,500	\$ 900
3HE10218BA	OS - 7210 SAS-K 2F1C2T Release 8.x (or upgrade to release 8.x).	\$ 225	\$ 135
3HE10218CA	OS-7210 SAS-K 2F1C2T Rel-9 SD	\$ 225	\$ 135
3HE10757BA	OS -7210 SAS-D Rel 9.x or upg to rel 9.x	\$ 225	\$ 135
3HE10758BA	OS -7210 SAS-E Rel 9.x or upg to rel 9.x	\$ 375	\$ 225
3HE10759BA	OS -7210 SAS-M Rel 9.x or upg to rel 9.x	\$ 700	\$ 420
3HE10760BA	OS -7210 SAS-X Rel 9.x or upg to rel 9.x	\$ 1,500	\$ 900
3HE09507BA	OS - 7210 SAS-T Release 8.x (or upgrade to rel 8.x)	\$ 700	\$ 420
3HE09507CA	OS -7210 SAS-T Rel 9.x or upg to rel 9.x	\$ 900	\$ 540
3HE11468AA	RTU-7210 SAS-K 2F6C4T, IP svc License	\$ 200	\$ 120
3HE09569AA	RTU - 7210 SAS-T IP Services License	\$ 400	\$ 240
3HE09570AA	RTU - 7210 SAS-T MPLS-TP Service License	\$ 400	\$ 240
3HE09571AA	RTU - 7210 SAS-T 1588v2 & Timing If Lic.	\$ 400	\$ 240
<b>7210 SAS-D Systems, Power Supplies and Accessories</b>			
3HE05677AC	SYS - 7210 SAS-D 6F4T AC	\$ 1,430	\$ 858
3HE05676AC	SYS - 7210 SAS-D 6F4T ETR AC	\$ 2,050	\$ 1,230
3HE05676AD	SYS - 7210 SAS-D 6F4T ETR -48V DC	\$ 2,100	\$ 1,260
3HE06537AB	SYS - 7210 SAS-D 6F4T ETR +24V DC	\$ 2,150	\$ 1,290
3HE05677AD	SYS - 7210 SAS-D 6F4T -48V DC	\$ 1,475	\$ 885
3HE05681AD	SYS - 7210 SAS-D 6F4T AC w NAR Power Cord	\$ 1,430	\$ 858
3HE05681AE	SYS - 7210 SAS-D 6F4T AC w UK Power Cord	\$ 1,430	\$ 858
3HE05681AF	SYS - 7210 SAS-D 6F4T AC w EUR Power Cord	\$ 1,430	\$ 858
3HE05682AD	SYS - 7210 SAS-D 6F4T ETR AC w NAR Power Cord	\$ 2,050	\$ 1,230
3HE05682AE	SYS - 7210 SAS-D 6F4T ETR AC w UK Power Cord	\$ 2,050	\$ 1,230



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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE05682AF	SYS - 7210 SAS-D 6F4T ETR AC w EUR Power Cord	\$ 2,050	\$ 1,230
3HE06693AA	PS - 7210 SAS-D ETR External power supply AC	\$ 240	\$ 144
3HE06694AA	PS - 7210 SAS-D ETR External power supply DC -48V	\$ 260	\$ 156
3HE06695AA	PS - 7210 SAS-D ETR External power supply DC +24V	\$ 260	\$ 156
3HE06696AA	ACC - 7210 SAS-D rack mount kit	\$ 80	\$ 48
3HE06697AA	ACC - 7210 SAS-D ETR external PS tray	\$ 200	\$ 120
<b>7210 SAS-E Systems</b>			
3HE04698AA	SYS - 7210 SAS-E 12F12T	\$ 3,570	\$ 2,142
3HE04774AA	SYS - 7210 SAS-E 12F12T AC w NAR Power Cord	\$ 3,750	\$ 2,250
3HE04774AB	SYS - 7210 SAS-E 12F12T AC w UK Power Cord	\$ 3,750	\$ 2,250
3HE04774AC	SYS - 7210 SAS-E 12F12T AC w EUR Power Cord	\$ 3,750	\$ 2,250
3HE04410AC	SYS - 7210 SAS-E 12F12T AC	\$ 3,750	\$ 2,250
3HE04410AD	SYS - 7210 SAS-E 12F12T -48V DC	\$ 3,800	\$ 2,280
3HE06941AB	SYS - 7210 SAS-E 12F12T +24V DC	\$ 4,100	\$ 2,460
<b>7210 SAS-K Systems &amp; Accessories</b>			
3HE09425AA	SYS - 7210 SAS-K 2F2T1C	\$ 1,400	\$ 840
3HE09426AA	SYS - 7210 SAS-K 2F2T1C ETR	\$ 1,900	\$ 1,140
3HE10959AA	SYS - 7210 SAS-K 2F4T6C	\$ 2,500	\$ 1,500
3HE09749AA	ACC - SAS-K AC N-ETR PSCL NAR5	\$ 150	\$ 90
3HE09749AB	ACC - SAS-K AC N-ETR PSCL NAR1	\$ 120	\$ 72
3HE09750AA	ACC - SAS-K AC N-ETR PS Cbl EUR	\$ 150	\$ 90
3HE09751AA	ACC - SAS-K AC N-ETR PS Cbl UK	\$ 200	\$ 120
3HE09752AA	PS - SAS-K AC Non-ETR PS 5 pck	\$ 375	\$ 225
3HE09752AB	PS - SAS-K AC Non-ETR PS (1)	\$ 180	\$ 108
3HE10962AA	PS - 7210 SAS-K 2F4T6C Non-ETR AC	\$ 260	\$ 156
3HE10963AA	PS - 7210 SAS-K 2F4T6C Non-ETR -48V DC	\$ 485	\$ 291
3HE09914AA	ACC - 7210 SAS-K non-ETR rack mount	\$ 300	\$ 180
3HE10027AA	ACC - 7210 SAS-K ETR rack mount	\$ 350	\$ 210
3HE10028AA	ACC - 7210 SAS-K ETR Wall mount	\$ 375	\$ 225
3HE10029AA	PS - 7210 SAS-K ETR AC power supply	\$ 350	\$ 210
3HE10030AA	PS - 7210 SAS-K ETR -48V DC power supply	\$ 360	\$ 216
3HE10219AA	PS - 7210 SAS-K ETR +24V DC power supply	\$ 400	\$ 240
<b>7210 SAS-M Systems</b>			
3HE04699AA	SYS - 7210 SAS-M 24F	\$ 6,850	\$ 4,110
3HE05828AA	SYS - 7210 SAS-M 24F2XFP	\$ 10,850	\$ 6,510
3HE06035AA	SYS - 7210 SAS-M 24F2XFP ETR	\$ 16,000	\$ 9,600
3HE05578AA	SYS - 7210 SAS-M24F AC w NAR Power Cord	\$ 7,000	\$ 4,200
3HE05578AB	SYS - 7210 SAS-M 24F AC w UK Power Cord	\$ 7,000	\$ 4,200
3HE05578AC	SYS - 7210 SAS-M 24F AC w EUR Power Cord	\$ 7,000	\$ 4,200
3HE05029AC	SYS - 7210 SAS M24F AC	\$ 7,000	\$ 4,200
3HE05029AD	SYS - 7210 SAS-M 24F -48V DC	\$ 7,100	\$ 4,260
3HE06534AB	SYS - 7210 SAS-M 24F + 24V DC	\$ 7,200	\$ 4,320
3HE05678AA	SYS - 7210 SAS-M 24F2XFP AC w NAR Power Cord	\$ 11,000	\$ 6,600
3HE05678AB	SYS - 7210 SAS-M 24F2XFP AC w UK Power Cord	\$ 11,000	\$ 6,600
3HE05678AC	SYS - 7210 SAS-M 24F2XFP AC w EUR Power Cord	\$ 11,000	\$ 6,600
3HE05679AD	SYS - 7210 SAS-M 24F2XFP ETR AC w NAR pc	\$ 16,350	\$ 9,810
3HE05679AE	SYS - 7210 SAS-M 24F2XFP ETR AC w UK pc	\$ 16,350	\$ 9,810
3HE05679AF	SYS - 7210 SAS-M 24F2XFP ETR AC w EUR pc	\$ 16,350	\$ 9,810
3HE05168AB	SYS - 7210 SAS-M 24F2XFP AC	\$ 11,000	\$ 6,600
3HE05169AB	SYS - 7210 SAS-M 24F2XFP -48V DC	\$ 11,100	\$ 6,660
3HE06535AB	SYS - 7210 SAS-M 24F2XFP +24V DC	\$ 11,200	\$ 6,720
3HE05589AC	SYS - 7210 SAS-M 24F2XFP ETR AC	\$ 16,350	\$ 9,810
3HE05590AC	SYS - 7210 SAS-M 24F2XFP ETR -48V DC	\$ 16,450	\$ 9,870
3HE06536AB	SYS - 7210 SAS-M 24F2XFP ETR + 24V DC	\$ 17,550	\$ 10,530
<b>7210 SAS-Mxp Systems</b>			
3HE10417AA	OS - 7210 SAS-Mxp Release 8.x	\$ 900	\$ 540
3HE10417BA	OS-7210 SAS-Mxp Rel-9 or upg to rel-9	\$ 900	\$ 540
3HE10418AA	RTU - 7210 SAS-Mxp IP Services License	\$ 500	\$ 300
3HE10420AA	RTU - 7210 SAS-Mxp 1588v2 & Timing If Lic.	\$ 500	\$ 300
<b>7210 SAS-T Systems</b>			
3HE08116AA	SYS - 7210 SAS-T 12F 10T 4XFP	\$ 5,900	\$ 3,540
3HE08117AA	SYS - 7210 SAS-T 12F 10T 4XFP ETR	\$ 7,700	\$ 4,620
3HE08362AA	SYS - 7210 SAS-T 12F 10T 4XFP AC	\$ 6,150	\$ 3,690
3HE08362AB	SYS - 7210 SAS-T 12F 10T 4XFP -48V DC	\$ 6,250	\$ 3,750
3HE08362AC	SYS - 7210 SAS-T 12F 10T 4XFP +24V DC	\$ 6,650	\$ 3,990
3HE08363AA	SYS - 7210 SAS-T 12F 10T 4XFP ETR AC	\$ 8,300	\$ 4,980
3HE08363AB	SYS - 7210 SAS-T 12F 10T 4XFP ETR -48V DC	\$ 8,500	\$ 5,100
3HE08363AC	SYS - 7210 SAS-T 12F 10T 4XFP ETR +24V DC	\$ 8,450	\$ 5,070
3HE08364AA	SYS - 7210 SAS-T 12F 10T 4XFP AC w NAR Power cord	\$ 6,250	\$ 3,750
3HE08364AB	SYS - 7210 SAS-T 12F 10T 4XFP AC w UK Power Cord	\$ 6,250	\$ 3,750
3HE08364AC	SYS - 7210 SAS-T 12F 10T 4XFP AC w EUR Power Cord	\$ 6,250	\$ 3,750
3HE08365AA	SYS - 7210 SAS-T 12F 10T 4XFP ETR AC w NAR Power cord	\$ 8,350	\$ 5,010
3HE08365AB	SYS - 7210 SAS-T 12F 10T 4XFP ETR AC w UK Power Cord	\$ 8,350	\$ 5,010
3HE08365AC	SYS - 7210 SAS-T 12F 10T 4XFP ETR AC w EUR Power Cord	\$ 8,350	\$ 5,010

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>7210 SAS-S Satellite Systems</b>			
3HE10492AA	SYS - 7210 SAS-Sx 46F2C4SFP+	\$ 8,500	\$ 5,100
3HE10493AA	SYS - 7210 SAS-Sx 22F2C4SFP+	\$ 9,100	\$ 4,410
3HE10494AA	SYS - 7210 SAS-Sx 48T4SFP+	\$ 8,350	\$ 4,905
3HE10495AA	SYS - 7210 SAS-Sx 24T4SFP+	\$ 7,500	\$ 4,416
3HE10496AA	SYS - 7210 SAS-Sx 48Tp4SFP+ (PoE)	\$ 9,575	\$ 5,565
3HE10497AA	SYS - 7210 SAS-Sx 24Tp4SFP+ (PoE)	\$ 8,650	\$ 4,635
3HE11597AA	SYS - 7210 SAS-Sx 64SFP+ 4QSFP28	\$ 31,000	\$ 18,600
3HE10835AA	SYS - 7210 SAS-Sx 64SFP+ 4CFP4	\$ 31,000	\$ 18,600
3HE10530AA	SYS - 7210 SAS-S 48F4SFP+ (AC)	\$ 6,325	\$ 3,600
3HE10531AA	SYS - 7210 SAS-S 48F4SFP+ (DC -48)	\$ 6,450	\$ 3,705
3HE10532AA	SYS - 7210 SAS-S 24F4SFP+ (AC)	\$ 5,000	\$ 2,850
3HE10533AA	SYS - 7210 SAS-S 24F4SFP+ (DC -48)	\$ 5,200	\$ 3,060
3HE10328AA	SYS - 7210 SAS-Sx SONET/SDH ETR DC	\$ 30,000	\$ 18,000
3HE10866AA	OS-7210SAS-Sx R8.0 Base OS 1G standalone	\$ 1,000	\$ 600
3HE10866BA	OS-7210 SAS-S/Sx 1/10 Rel-9 Base Lic S-A	\$ 1,000	\$ 600
3HE11469AA	OS-7210 SAS-Sx 10/100 Rel-9 Base Lic S-A	\$ 5,000	\$ 3,000
3HE11470AA	RTU-7210 SAS-Sx 10/100 IP svc Lic S-A	\$ 2,500	\$ 1,500
3HE11471AA	OS-7210 SAS-Sx 10/100 Rel-9 Base Lic Sat	\$ 2,000	\$ 1,200
3HE10867AA	RTU-7210SAS-Sx IP Srv-Lic 1G stand alone	\$ 600	\$ 360
3HE10869AA	OS-7210SAS-Sx R8.0 Base OS 1G satellite	\$ 500	\$ 300
3HE10869BA	OS-7210SAS-S/Sx 1/10 Rel-9 Base Lic Sat	\$ 500	\$ 300
<b>7210 SAS-S Power supplies and Accessories</b>			
3HE10498AA	PS - 7210 SAS-Sx Power Supply AC (F)	\$ 750	\$ 450
3HE10499AA	PS - 7210 SAS-Sx Power Supply DC -48V (F)	\$ 1,430	\$ 858
3HE10500AA	PS - 7210 SAS-Sx Power Supply AC	\$ 640	\$ 384
3HE10501AA	PS - 7210 SAS-Sx Power Supply DC -48V (T)	\$ 700	\$ 420
3HE10502AA	PS - 7210 SAS-Sx Power Supply PoE AC	\$ 1,200	\$ 720
3HE10503AA	ACC - 7210 SAS-Sx Fan Tray Filter (10)	\$ 1,500	\$ 900
3HE10836AA	PS - 7210 SAS-Sx 64SFP+4CFP4 NETR AC	\$ 800	\$ 480
3HE10837AA	PS - 7210 SAS-Sx 64SFP+4CFP4 NETR DC	\$ 1,800	\$ 1,080
3HE10542AA	PS - 7210 SAS-S Power Supply AC	\$ 455	\$ 273
3HE10543AA	PS - 7210 SAS-S Power Supply DC -48V	\$ 1,100	\$ 660
<b>7210 SAS-E/M/T/Mxp Power supplies and Accessories</b>			
3HE06339AA	ACC-7210 SAS-E/M/T Fan tray filter (10)	\$ 250	\$ 150
3HE06338AA	ACC-7210 SAS-E/M/T 23" rack mount (5)	\$ 120	\$ 72
3HE09915AA	ACC-7210 SAS-E/M/T 19" rack mount (5)	\$ 175	\$ 105
3HE05581AA	PS - 7210 SAS-M ETR -48V DC Power Supply	\$ 800	\$ 480
3HE06336AA	PS - 7210 SAS-E/M ETR +24V DC Power supply	\$ 850	\$ 510
3HE04414AA	PS - 7210 SAS E/M/T AC PS (Non ETR)	\$ 260	\$ 156
3HE04414AB	PS-7210 SAS E/M AC PS (NON-ETR) 200 Watt	\$ 399	\$ 239
3HE04415AA	PS - 7210 SAS E/M/T -48V DC PS (Non ETR)	\$ 365	\$ 219
3HE04415AB	PS-7210 SAS E/M DC PS (NON-ETR) 200 Watt	\$ 480	\$ 288
3HE05580AB	PS - 7210 SAS-M/T/Mxp ETR (200W) AC Power Supply	\$ 620	\$ 372
3HE05581AB	PS - 7210 SAS-M/T/Mxp ETR -48V (200W) DC Power Supply	\$ 775	\$ 465
3HE06336AB	PS - 7210 SAS-M/T/Mxp ETR +24V (200W) DC Power Supply	\$ 775	\$ 465
3HE04416AA	FAN - 7210 SAS E/M/T Fan Tray (Spare)	\$ 140	\$ 84
3HE08605AA	ACC - 7210 SAS E/M/T/Mxp DC-Power input connector 10 Pack	\$ 120	\$ 72
3HE09157AA	ACC - 7210 SAS-R6 DC-Power input connector 10 Pack	\$ 250	\$ 150
<b>7210 SAS-X Systems and Accessories</b>			
3HE05827AA	SYS - 7210 SAS-X 24F2XFP	\$ 22,500	\$ 13,500
3HE05170AB	SYS - 7210 SAS-X 24F2XFP AC	\$ 22,800	\$ 13,680
3HE05171AB	SYS - 7210 SAS-X 24F2XFP -48V DC	\$ 22,800	\$ 13,680
3HE05680AA	SYS - 7210 SAS-X 24F2XFP AC w NAR Power Cord	\$ 22,800	\$ 13,680
3HE05680AB	SYS - 7210 SAS-X 24F2XFP AC w UK Power Cord	\$ 22,800	\$ 13,680
3HE05680AC	SYS - 7210 SAS-X 24F2XFP AC w EUR Power Cord	\$ 22,800	\$ 13,680
3HE05172AA	PS - 7210 SAS-X AC Power Supply	\$ 720	\$ 432
3HE05173AA	PS - 7210 SAS-X -48V DC Power Supply	\$ 720	\$ 432
3HE06340AA	ACC- 7210 SAS-X Fan tray filter (5 pack)	\$ 550	\$ 330
3HE05174AA	FAN - 7210 SAS-X Fan Tray (Spare)	\$ 400	\$ 240

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>7210 SAS-R Chassis and appliances</b>			
3HE08898AA	BNDL - 7210 SAS-R6	\$ 16,500	\$ 9,900
3HE10515AA	BNDL - 7210 SAS-R12	\$ 38,600	\$ 23,160
3HE08151AA	CHAS - 7210 SAS-R6 CHASSIS SPARE	\$ 5,000	\$ 3,000
3HE09427AA	CHAS - 7210 SAS-R12 CHASSIS SPARE	\$ 16,350	\$ 9,810
3HE08152AA	FAN - 7210 SAS-R6 Fan Tray	\$ 750	\$ 450
3HE09428AA	FAN - 7210 SAS-R12 Fan Tray	\$ 3,650	\$ 2,190
3HE08153AA	PEM - 7210 SAS-R6 -48V	\$ 675	\$ 405
3HE09429AA	PEM - 7210 SAS-R12 -48V	\$ 1,575	\$ 945
3HE08154AB	SF/CPM - 7210 SAS-R6	\$ 9,375	\$ 5,625
3HE09430AA	SF/CPM - 7210 SAS-R12	\$ 14,550	\$ 8,730
3HE08155AA	IMM - 7210 SAS-R 10SFP - 1XFP	\$ 4,250	\$ 2,550
3HE08156AA	IMM - 7210 SAS-R 10SFP	\$ 2,800	\$ 1,680
3HE08158AA	IMM - 7210 SAS-R 2XFP	\$ 3,600	\$ 2,160
3HE09152AA	IMM - 7210 SAS-R-b 10SFP - 1SFP+	\$ 4,750	\$ 2,850
3HE09153AA	IMM - 7210 SAS-R-b 2SFP+	\$ 4,250	\$ 2,550
3HE09154AA	IMM - 7210 SAS-R-b 4SFP+	\$ 4,950	\$ 2,970
3HE09155AA	IMM - 7210 SAS-R-b 11SFP/22cSFP	\$ 4,250	\$ 2,550
3HE09156AA	IMM - 7210 SAS-R-b 16TX	\$ 4,150	\$ 2,490
3HE08159AA	ACC - 7210 SAS-R IMM Impedance Panel	\$ 90	\$ 54
3HE08166AA	ACC - 7210 SAS-R6 SF/CPM Impedance Panel	\$ 120	\$ 72
3HE10441AA	ACC - 7210 SAS-R12 SF/CPM Impedance Panel	\$ 185	\$ 111
3HE08167AA	ACC - 7210 SAS-R6 PEM Impedance Panel	\$ 90	\$ 54
3HE10439AA	ACC - 7210 SAS-R12 PEM Impedance Panel	\$ 185	\$ 111
3HE08168AA	ACC - 7210 SAS-R6 Air Filter 5 pack	\$ 1,500	\$ 900
3HE09116AA	ACC - 7210 R6 ETSI Cabinet & Cable Management bracket	\$ 360	\$ 216
3HE09704AA	PS 7210 SAS-R AC Power shelf impedance panel	\$ 35	\$ 21
3HE09431AA	PS 7210 SAS-R AC Power shelf	\$ 1,250	\$ 750
3HE09432AA	PS 7210 SAS-R AC Power modules	\$ 1,800	\$ 1,080
<b>7210 SAS-R Software and software licenses</b>			
3HE08996CA	OS - 7210 SAS-R Base OS License Release 8.x, (or upgrade to 8.x)	\$ 3,500	\$ 2,100
3HE08996DA	OS - 7210 SAS-R Lic Rel-9 or upg to Rel-9	\$ 3,500	\$ 2,100
3HE08997AA	RTU - 7210 SAS-R IP Services License.	\$ 2,000	\$ 1,200
3HE08998AA	RTU - 7210 SAS-R MPLS-TP Services License.	\$ 1,500	\$ 900
3HE08999AA	RTU - 7210 SAS-R PTP/1588 & Timing Interfaces License.	\$ 1,500	\$ 900
<b>Outdoor Enclosures</b>			
3HE07278AA	7210 SAS-D Enclosure	\$ 3,405	\$ 2,043
3HE07527AA	ACC - -48VDC Power Surge Protector	\$ 1,697	\$ 1,018
3HE07528AA	ACC - +24VDC Power Surge Protection	\$ 1,882	\$ 1,129
3HE07530AA	ACC - Bracket, Ethernet Surge Protectors	\$ 263	\$ 158
3HE07531AA	ACC - Fiber Splice Tray, 12-pos	\$ 801	\$ 481
3HE07532AA	ACC - Fiber Slack Storage	\$ 208	\$ 125
3HE07533AA	ACC - Bracket, Redundant Power Supply	\$ 342	\$ 205
3HE07656AA	Rear Mounting Bracket, SAS-D Enclosure	\$ 499	\$ 299
<b>Outdoor Enclosures</b>			
3HE08280AB	ALP-7705/7210 UNIVERSAL HEX CABINET	\$ 16,779	\$ 10,067
3HE07675AB	ALP-7705/7210 CABINET BATT COMPARTMENT	\$ 2,644	\$ 1,586
3HE07677AB	ALP-7705/7210 CABINET ONLY POLE MOUNT KIT	\$ 577	\$ 346
3HE08278AA	24V TO (-48V) DC-DC 300W CONVERTER	\$ 717	\$ 430
<b>CMC</b>			

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>CMG Instance and Capacity ASLs</b>			
3HE11386AA	ASL CMG R9.0 SW Perpetual CMG Instance	\$ 300,000	\$ 213,000
3HE11387AA	ASL CMG Throughput 1 Gbps	\$ 40,000	\$ 28,400
3HE11388AA	ASL CMG-SGW 10k MBB Subs	\$ 20,000	\$ 14,200
3HE11389AA	ASL CMG-ePDG 10k MBB Subs	\$ 20,000	\$ 14,200
3HE11390AA	ASL CMG-PGW 10k MBB Subs	\$ 40,000	\$ 28,400
3HE11391AA	ASL CMG-SGW 10k IoT Devices	\$ 4,400	\$ 3,124
3HE11392AA	ASL CMG-ePDG 10k IoT Devices	\$ 4,400	\$ 3,124
3HE11393AA	ASL CMG-PGW 10k IoT Devices	\$ 8,800	\$ 6,248
<b>General CMG ASLs</b>			
3HE11400AA	ASL CMG Real-time QoS 10k Subs	\$ 1,500	\$ 1,065
3HE11401AA	ASL CMG Geo-Redundancy 10k Subs	\$ 2,500	\$ 1,775
3HE11402AA	ASL CMG PCMD 10k Subs	\$ 1,500	\$ 1,065
3HE11403AA	ASL CMG Optimized Clot 10k Devices	\$ 1,500	\$ 1,065
<b>CMG-PGW SGI ASLs</b>			
3HE11404AA	ASL CMG Corporate VPN 25 Instances	\$ 2,500	\$ 1,775
3HE11405AA	ASL CMG IPSec Tunneling 25 Tunnels	\$ 2,500	\$ 1,775
3HE11406AA	ASL CMG NAT 10k Subs	\$ 1,965	\$ 1,395
<b>CMG-PGW AA ASLs</b>			
3HE11394AA	ASL CMG-AA ID and Control 10k Subs	\$ 5,000	\$ 3,550
3HE11395AA	ASL CMG-AA ICAP Control 10k Subs	\$ 20,000	\$ 14,200
3HE11396AA	ASL CMG-AA IBN 10k Subs	\$ 1,990	\$ 1,413
3HE11397AA	ASL CMG-AA URL Filter 10k Subs	\$ 1,990	\$ 1,413
3HE11398AA	ASL CMG-AA Stateful FW 10k Subs	\$ 7,795	\$ 5,534
3HE11399AA	ASL CMG-AA RTP Perf 10k Subs	\$ 12,500	\$ 8,875
<b>CMG Instance and Capacity ASLs</b>			
3HE11407AA	ASL CMG R9.0 SW - 12mo CMG Instance	\$ 100,000	\$ 71,000
3HE11408AA	ASL CMG Throughput 1 Gbps - 12mo	\$ 13,333	\$ 9,466
3HE11409AA	ASL CMG-SGW 10k MBB Subs - 12mo	\$ 6,667	\$ 4,734
3HE11410AA	ASL CMG-ePDG 10k MBB Subs - 12mo	\$ 6,667	\$ 4,734
3HE11411AA	ASL CMG-PGW 10k MBB Subs - 12mo	\$ 13,333	\$ 9,466
3HE11412AA	ASL CMG-SGW 10k IoT Devices - 12mo	\$ 1,467	\$ 1,042
3HE11413AA	ASL CMG-ePDG 10k IoT Devices - 12mo	\$ 1,467	\$ 1,042
3HE11414AA	ASL CMG-PGW 10k IoT Devices - 12mo	\$ 2,933	\$ 2,082
<b>General CMG ASLs</b>			
3HE11421AA	ASL CMG Real-time QoS 10k Subs - 12mo	\$ 500	\$ 355
3HE11422AA	ASL CMG Sess Continuity 10k Subs - 12mo	\$ 833	\$ 591
3HE11423AA	ASL CMG PCMD 10k Subs - 12mo	\$ 500	\$ 355
3HE11424AA	ASL CMG Optimized Clot 10k Devices - 12mo	\$ 500	\$ 355
<b>CMG-PGW SGI ASLs</b>			
3HE11425AA	ASL CMG Corporate VPN 25 Instances - 12mo	\$ 833	\$ 591
3HE11426AA	ASL CMG IPSec Tunneling 25 Tunnels - 12mo	\$ 833	\$ 591
3HE11427AA	ASL CMG NAT 10k Subs - 12mo	\$ 655	\$ 465
<b>CMG-PGW AA ASLs</b>			
3HE11415AA	ASL CMG-AA ID and Control 10k Subs - 12mo	\$ 1,667	\$ 1,184
3HE11416AA	ASL CMG-AA ICAP Control 10k Subs - 12mo	\$ 6,667	\$ 4,734
3HE11417AA	ASL CMG-AA IBN 10k Subs - 12mo	\$ 663	\$ 471
3HE11418AA	ASL CMG-AA URL Filter 10k Subs - 12mo	\$ 663	\$ 471
3HE11419AA	ASL CMG-AA Stateful FW 10k Subs - 12mo	\$ 2,598	\$ 1,845
3HE11420AA	ASL CMG-AA RTP Perf 10k Subs - 12mo	\$ 4,167	\$ 2,959
<b>CMU</b>			
<b>NDGHW0100</b>			
3HE11575AA	OS - Compact Mobility Unit R1.0 Bundle	\$ 50,000	\$ 35,500
3HE11348AA	ASL CMU 1k Subscribers	\$ 10,000	\$ 7,100
3HE11349AA	ASL CMU 5k Subscribers	\$ 28,000	\$ 19,880
3HE11350AA	ASL CMU 10k Subscribers	\$ 55,000	\$ 39,050
<b>CMM</b>			
<b>CMM Instance and Capacity ASLs</b>			
3HE11604AA	ASL CMM 17 Perpetual CMM Instance	\$ 300,000	\$ 213,000
3HE11605AA	ASL CMM-MME 10k MBB Subs	\$ 25,000	\$ 17,750
3HE11606AA	ASL CMM-SGSN 10k MBB Subs	\$ 11,500	\$ 8,165
3HE11607AA	ASL CMM-MME 10k IoT Devices	\$ 5,000	\$ 3,550
3HE11608AA	ASL CMM-SGSN 10k IoT Devices	\$ 2,200	\$ 1,562
3HE11609AA	ASL CMM 2G-3G Throughput 10 Mbps	\$ 990	\$ 703
3HE11610AA	ASL CMM RoSA 1M BH Messages	\$ 2,000	\$ 1,420
<b>General CMM ASLs</b>			
3HE11618AA	ASL CMM Session Restore 10k Subs	\$ 4,590	\$ 3,259
3HE11611AA	ASL CMM PCMD-Traffic 10k Subs	\$ 4,440	\$ 3,152
3HE11621AA	ASL CMM Control Roaming 10k Subs	\$ 990	\$ 703
<b>Internet of Things CMM ASLs</b>			
3HE11614AA	ASL CMM Optimized Clot 10k Devices	\$ 990	\$ 703
<b>Service Enabling CMM ASLs</b>			
3HE11613AA	ASL CMM VoLTE 10k Subs	\$ 1,140	\$ 809
3HE11615AA	ASL CMM eMBMS 10k Subs	\$ 2,820	\$ 2,002
3HE11619AA	ASL CMM Location Svcs 10k Subs	\$ 3,960	\$ 2,812
3HE11616AA	ASL CMM Network Share 10k Subs	\$ 960	\$ 682

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE11620AA	ASL CMM Pub Safety Svcs 10k Subs	\$ 1,050	\$ 746
<b>Service Control CMM ASLs</b>			
3HE11612AA	ASL CMM Smart Paging 10k Subs	\$ 870	\$ 618
3HE11617AA	ASL CMM UE Load Balance 10k Subs	\$ 1,110	\$ 788
<b>CMM Instance and Capacity ASLs</b>			
3HE11622AA	ASL CMM NS17 - 1 Year CMM Instance	\$ 100,000	\$ 71,000
3HE11623AA	ASL CMM-MME 10k MBB Subs -12 mo	\$ 8,333	\$ 5,916
3HE11624AA	ASL CMM-SGSN 10k MBB Subs -12 mo	\$ 3,833	\$ 2,721
3HE11625AA	ASL CMM-MME 10k IoT Devices -12 mo	\$ 1,667	\$ 1,184
3HE11626AA	ASL CMM-SGSN 10k IoT Devices -12 mo	\$ 733	\$ 520
3HE11627AA	ASL CMM 2G/3G Throughput 10 Mbps -12 mo	\$ 330	\$ 234
3HE11628AA	ASL CMM RoSA 1M BH Transactions -12 mo	\$ 667	\$ 474
<b>General CMM ASLs</b>			
3HE11636AA	ASL CMM Session Restore 10k Subs -12 mo	\$ 1,530	\$ 1,086
3HE11629AA	ASL CMM PCMD/TrafficA 10k Subs -12 mo	\$ 1,480	\$ 1,051
3HE11639AA	ASL CMM Control Roaming 10k Subs -12 mo	\$ 330	\$ 234
<b>Internet of Things CMM ASLs</b>			
3HE11632AA	ASL CMM Optimized CloT 10k Devices -12 mo	\$ 330	\$ 234
<b>Service Enabling CMM ASLs</b>			
3HE11631AA	ASL CMM VoLTE 10k Subs -12 mo	\$ 380	\$ 270
3HE11633AA	ASL CMM eMBMS 10k Subs -12 mo	\$ 940	\$ 667
3HE11637AA	ASL CMM Location Svcs 10k Subs -12 mo	\$ 1,320	\$ 937
3HE11634AA	ASL CMM Network Share 10k Subs -12 mo	\$ 320	\$ 227
3HE11638AA	ASL CMM Pub Safety Services 10k Subs -12 mo	\$ 350	\$ 249
<b>Service Control CMM ASLs</b>			
3HE11630AA	ASL CMM Smart Paging 10k Subs -12 mo	\$ 870	\$ 618
<b>Nuage</b>			
<b>Management Applications Licenses</b>			
3HE08287DA	VSD RTU	\$ 44,995	\$ 36,446
3HE09434DA	VSD Cluster RTU	\$ 67,995	\$ 55,076
3HE08289DA	VSC 1+1 RTU	\$ 19,995	\$ 16,196
3HE08287CC	VSD R3.2 RTU	\$ 44,995	\$ 36,446
3HE09434CC	VSD R3.2 Cluster RTU	\$ 67,995	\$ 55,076
3HE08289CC	VSC R3.2 1+1 RTU	\$ 19,995	\$ 16,196
<b>Compute Management Integration Licenses</b>			
3HE08290DA	VMware Integration RTU	\$ 19,995	\$ 16,196
<b>Virtual Routing and Switching Gateway (VRS-G) Licenses</b>			
3HE09546DA	VRS-G-10G RTU	\$ 4,895	\$ 3,965
3HE09495DA	VRS-G-40G RTU	\$ 16,995	\$ 13,766
<b>Virtual Routing and Switching ESXi (VRS-E) Licenses</b>			
3HE09540DA	VRS-E-10G RTU	\$ 4,895	\$ 3,965
3HE09469DA	VRS-E-40G RTU	\$ 16,995	\$ 13,766
<b>Virtual Routing and Switching KVM (VRS-K) Licenses</b>			
3HE09542DA	VRS-K-10G RTU	\$ 4,895	\$ 3,965
3HE09479DA	VRS-K-40G RTU	\$ 16,995	\$ 13,766
<b>Virtual Routing and Switching Hyper-V (VRS-H) Licenses</b>			
3HE10778DA	VRS-H-10G RTU	\$ 4,895	\$ 3,965
3HE10783DA	VRS-H-40G RTU	\$ 16,995	\$ 13,766
<b>Virtual Routing and Switching Bare Metal (VRS-B) Licenses</b>			
3HE11355DA	VRS-B-Linux-10G RTU	\$ 4,895	\$ 3,965
3HE11356DA	VRS-B-Linux-40G RTU	\$ 16,995	\$ 13,766
<b>Virtualized Services Directory (VSD) and Virtualized Services Controller (VSC) Subscriptions</b>			
3HE08281AA	VSD RTU Subscription	\$ 17,995	\$ 14,576
3HE09435AA	VSD Cluster RTU Subscription	\$ 26,995	\$ 21,866
3HE08283AA	VSC 1+1 RTU Subscription	\$ 7,995	\$ 6,476
<b>Compute Management Integration Subscriptions</b>			
3HE08284AA	VMware Integration RTU Subscription	\$ 5,995	\$ 4,856
<b>Virtual Routing and Switching Gateway (VRS-G) Subscriptions</b>			
3HE09547AA	S-VRS-G-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE09496AA	S-VRS-G-40G RTU Subscription	\$ 6,895	\$ 5,585
<b>Virtual Routing and Switching ESXi (VRS-E) Subscriptions</b>			
3HE09541AA	S-VRS-E-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE09474AA	S-VRS-E-40G RTU Subscription	\$ 6,895	\$ 5,585
<b>Virtual Routing and Switching KVM (VRS-K) Subscriptions</b>			
3HE09543AA	S-VRS-K-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE09484AA	S-VRS-K-40G RTU Subscription	\$ 6,895	\$ 5,585
<b>Virtual Routing and Switching Hyper-V (VRS-H) Subscriptions</b>			
3HE10860DA	S-VRS-H-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE10865DA	S-VRS-H-40G RTU Subscription	\$ 6,895	\$ 5,585
<b>Virtual Routing and Switching KVM (VRS-B) Subscriptions</b>			
3HE11357DA	S-VRS-B-Linux-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE11358DA	S-VRS-B-Linux-40G RTU Subscription	\$ 6,795	\$ 5,504
<b>Nuage 7850 Datacenter Switch/Router Bundles</b>			
3HE08595AA	BNDL-7850 VSG AC-AC - F-R	\$ 71,995	\$ 58,316
3HE08595BA	BNDL-7850 VSG AC-AC - R-F	\$ 71,995	\$ 58,316
3HE08596AA	BNDL-7850 VSG DC-DC - F-R	\$ 72,995	\$ 59,126

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE08596BA	BNDL-7850 VSG DC-DC - R-F	\$ 72,995	\$ 59,126
3HE08597AA	BNDL-7850 VSA AC-AC - F-R	\$ 89,995	\$ 72,896
3HE08597BA	BNDL-7850 VSA AC-AC - R-F	\$ 89,995	\$ 72,896
3HE08598AA	BNDL-7850 VSA DC-DC - F-R	\$ 90,995	\$ 73,706
3HE08598BA	BNDL-7850 VSA DC-DC - R-F	\$ 90,995	\$ 73,706
<b>Nuage 7850 VSG/VSA Software Licenses</b>			
3HE08695DA	OS - 7850 VSG/VSA R4.0 OS LICENSE	\$ 4,995	\$ 4,046
3HE08695CC	OS - 7850 VSG/VSA R3.2 OS LICENSE	\$ 4,995	\$ 4,046
3HE08696CC	fdVS-B-10G R3.2 RTU	\$ 1,595	\$ 1,292
3HE09461CC	fdVRS-B-10G R3.2 RTU	\$ 595	\$ 482
3HE08697CC	fdVS-B-40G R3.2 RTU	\$ 6,395	\$ 5,180
3HE09462CC	fdVRS-B-40G R3.2 RTU	\$ 2,395	\$ 1,940
3HE08698AA	OS - 7850 VSG Linux RTU	\$ 2,995	\$ 2,426
<b>Nuage VSP 3rd Party Gateway Software Licenses</b>			
3HE11370DA	VTEP-10G RTU	\$ 8,995	\$ 7,286
3HE11371DA	VTEP-40G RTU	\$ 22,485	\$ 18,213
3HE11372DA	S-VTEP-10G RTU Subscription	\$ 3,595	\$ 2,912
3HE11373DA	S-VTEP-40G RTU Subscription	\$ 8,995	\$ 7,286
<b>SFP+ Cables (Direct Attach)</b>			
3HE08587AA	CBL - SFP+ - SFP+ DAC 1m - 4PACK	\$ 600	\$ 486
3HE08588AA	CBL - SFP+ - SFP+ DAC 3m - 4PACK	\$ 840	\$ 680
3HE08589AA	CBL - SFP+ - SFP+ DAC 7m - 4PACK	\$ 1,200	\$ 972
<b>QSFP+ Cables (Direct Attach)</b>			
3HE08590AA	CBL - QSFP+ - QSFP+ DAC 1m - 4PACK	\$ 1,800	\$ 1,458
3HE08591AA	CBL - QSFP+ - QSFP+ DAC 3m - 4PACK	\$ 2,200	\$ 1,782
3HE08592AA	CBL - QSFP+ - QSFP+ DAC 7m - 4PACK	\$ 2,600	\$ 2,106
<b>QSFP+ to SFP+ Splitter Cables (Direct Attach)</b>			
3HE08593AA	CBL - QSFP+ - 4xSFP+ Splitter 1m - 4PACK	\$ 1,600	\$ 1,296
3HE08594AA	CBL - QSFP+ - 4xSFP+ Splitter 3m - 4PACK	\$ 2,400	\$ 1,944
<b>Nuage 7850 VSG/VSA Spares</b>			
3HE08489AA	CHAS - 7850 VSG Chassis	\$ 69,995	\$ 56,896
3HE08490AA	CHAS - 7850 VSA Chassis	\$ 86,995	\$ 70,466
3HE08491AA	PS - 7850 VSG   VSA AC 850W - F-R	\$ 850	\$ 689
3HE08492AA	PS - 7850 VSG   VSA DC 850W - F-R	\$ 1,350	\$ 1,094
3HE08493AA	PS - 7850 VSG   VSA AC 850W - R-F	\$ 850	\$ 689
3HE08494AA	PS - 7850 VSG   VSA DC 850W - R-F	\$ 1,350	\$ 1,094
3HE08495AA	FAN - 7850 VSG   VSA Fan Tray - F-R	\$ 300	\$ 243
3HE08496AA	FAN - 7850 VSG   VSA Fan Tray - R-F	\$ 300	\$ 243
<b>NSG-C Appliance</b>			
3HE11203AA	SYS-7850 NSG-C 3T AC	\$ 795	\$ 644
3HE11204AA	CBL - AC PWR CBL NSG-C 110V USA	\$ 30	\$ 24
3HE11204AC	CBL - AC PWR CBL NSG-C EUR	\$ 30	\$ 24
3HE11204AD	CBL - AC PWR CBL NSG-C GBR	\$ 30	\$ 24
3HE11206AA	PS - 7850 NSG-C AC power supply	\$ 85	\$ 69
<b>NSG-C SW Licenses</b>			
3HE11381DA	NSG-C Base Router RTU	\$ 565	\$ 458
3HE11382DA	NSG-C VPN Router RTU	\$ 210	\$ 170
3HE11383DA	NSG-C IPsec License	\$ 195	\$ 158
3HE11384DA	NSG-C Bus Intel RTU	\$ 95	\$ 77
3HE11385DA	NSG-C Service Chaining RTU	\$ 95	\$ 77
<b>NSG-E Appliance</b>			
3HE09966AA	SYS - 7850 NSG-E 6T AC	\$ 1,275	\$ 1,033
3HE09966AB	SYS - 7850 NSG-E 6T AC	\$ 1,275	\$ 1,033
3HE10230AA	CBL - AC PWR CBL NSG-E 110V USA	\$ 30	\$ 24
3HE10230AC	CBL - AC PWR CBL NSG-E EUR	\$ 30	\$ 24
3HE10230AD	CBL - AC PWR CBL NSG-E GBR	\$ 30	\$ 24
3HE11205AA	PS - 7850 NSG-E AC power supply	\$ 85	\$ 69
<b>NSG-X Appliance</b>			
3HE10833AA	SYS - 7850 NSG-X 2SFP+ 4F 4T AC	\$ 11,995	\$ 9,716
3HE10834AA	PS - 7850 NSG-X AC 300W	\$ 425	\$ 344
<b>NSG Base Router Licenses</b>			
3HE09711DA	NSG-V Base Router RTU 100Mbps	\$ 660	\$ 535
3HE09712DA	NSG-V Base Router RTU 200Mbps	\$ 990	\$ 802
3HE09713DA	NSG-V Base Router RTU 500Mbps	\$ 1,650	\$ 1,337
3HE09714DA	NSG-V Base Router RTU 1000Mbps	\$ 3,300	\$ 2,673
3HE09715DA	NSG-V Base Router RTU 2000Mbps	\$ 9,900	\$ 8,019
3HE09716DA	NSG-V Base Router RTU 10000Mbps	\$ 11,880	\$ 9,623
<b>NSG VPN Router Licenses</b>			
3HE09717DA	NSG R4.0 VPN Router RTU 100Mbps	\$ 300	\$ 243
3HE09718DA	NSG R4.0 VPN Router RTU 200Mbps	\$ 450	\$ 365
3HE09719DA	NSG R4.0 VPN Router RTU 500Mbps	\$ 750	\$ 608
3HE09720DA	NSG R4.0 VPN Router RTU 1000Mbps	\$ 1,500	\$ 1,215
3HE09721DA	NSG R4.0 VPN Router RTU 2000Mbps	\$ 4,500	\$ 3,645
3HE09722DA	NSG R4.0 VPN Router RTU 10000Mbps	\$ 5,400	\$ 4,374

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>NSG ACL Licenses</b>			
3HE09723DA	NSG ACL RTU 100Mbps	\$ 55	\$ 45
3HE09724DA	NSG ACL RTU 200Mbps	\$ 85	\$ 69
3HE09725DA	NSG ACL RTU 500Mbps	\$ 140	\$ 113
3HE09726DA	NSG ACL RTU 1000Mbps	\$ 275	\$ 223
3HE09727DA	NSG ACL RTU 2000Mbps	\$ 825	\$ 668
3HE09728DA	NSG ACL RTU 10000Mbps	\$ 990	\$ 802
<b>NSG NAT/PAT Licenses</b>			
3HE09729DA	NSG NAT/PAT RTU 100Mbps	\$ 85	\$ 69
3HE09730DA	NSG NAT/PAT RTU 200Mbps	\$ 125	\$ 101
3HE09731DA	NSG NAT/PAT RTU 500Mbps	\$ 210	\$ 170
3HE09732DA	NSG NAT/PAT RTU 1000Mbps	\$ 415	\$ 336
3HE09733DA	NSG NAT/PAT RTU 2000Mbps	\$ 1,240	\$ 1,004
3HE09734DA	NSG NAT/PAT RTU 10000Mbps	\$ 1,485	\$ 1,203
3HE09729CC	NSG R3.2 NAT/PAT RTU 100Mbps	\$ 85	\$ 69
3HE09730CC	NSG R3.2 NAT/PAT RTU 200Mbps	\$ 125	\$ 101
3HE09731CC	NSG R3.2 NAT/PAT RTU 500Mbps	\$ 210	\$ 170
3HE09732CC	NSG R3.2 NAT/PAT RTU 1000Mbps	\$ 415	\$ 336
3HE09733CC	NSG R3.2 NAT/PAT RTU 2000Mbps	\$ 1,240	\$ 1,004
3HE09734CC	NSG R3.2 NAT/PAT RTU 10000Mbps	\$ 1,485	\$ 1,203
<b>NSG IPsec Licenses</b>			
3HE10871DA	NSG IPsec RTU 100Mbps	\$ 275	\$ 223
3HE10872DA	NSG IPsec RTU 200Mbps	\$ 415	\$ 336
3HE10873DA	NSG IPsec RTU 500Mbps	\$ 690	\$ 559
3HE10875DA	NSG IPsec RTU 1000Mbps	\$ 1,375	\$ 1,114
3HE10876DA	NSG IPsec RTU 2000Mbps	\$ 4,125	\$ 3,341
3HE10874DA	NSG IPsec RTU 10000Mbps	\$ 4,950	\$ 4,010
<b>NSG Border Router Licenses</b>			
3HE11367AA	NSG R4.0 Border Router RTU 1Gbps	\$ 14,495	\$ 11,741
3HE11368AA	NSG R4.0 Border Router RTU 2Gbps	\$ 17,295	\$ 14,009
3HE11369AA	NSG R4.0 Border Router RTU 10Gbps	\$ 51,995	\$ 42,116
<b>NSG Business Intelligence Licenses</b>			
3HE09735DA	NSG Bus Intel RTU 100Mbps	\$ 140	\$ 113
3HE09736DA	NSG Bus Intel RTU 200Mbps	\$ 210	\$ 170
3HE09737DA	NSG Bus Intel RTU 500Mbps	\$ 345	\$ 279
3HE09738DA	NSG Bus Intel RTU 1000Mbps	\$ 690	\$ 559
3HE09739DA	NSG Bus Intel RTU 2000Mbps	\$ 2,065	\$ 1,673
3HE09740DA	NSG Bus Intel RTU 10000Mbps	\$ 2,475	\$ 2,005
3HE09735CC	NSG R3.2 Bus Intel RTU 100Mbps	\$ 140	\$ 113
3HE09736CC	NSG R3.2 Bus Intel RTU 200Mbps	\$ 210	\$ 170
3HE09737CC	NSG R3.2 Bus Intel RTU 500Mbps	\$ 345	\$ 279
3HE09738CC	NSG R3.2 Bus Intel RTU 1000Mbps	\$ 690	\$ 559
3HE09739CC	NSG R3.2 Bus Intel RTU 2000Mbps	\$ 2,065	\$ 1,673
3HE09740CC	NSG R3.2 Bus Intel RTU 10000Mbps	\$ 2,475	\$ 2,005
<b>NSG Service Chaining Licenses</b>			
3HE09741DA	NSG Service Chaining RTU 100Mbps	\$ 140	\$ 113
3HE09742DA	NSG Service Chaining RTU 200Mbps	\$ 210	\$ 170
3HE09743DA	NSG Service Chaining RTU 500Mbps	\$ 345	\$ 279
3HE09744DA	NSG Service Chaining RTU 1000Mbps	\$ 690	\$ 559
3HE09745DA	NSG Service Chaining RTU 2000Mbps	\$ 2,065	\$ 1,673
3HE09746DA	NSG Service Chaining RTU 10000Mbps	\$ 2,475	\$ 2,005
<b>NSG-C SW Subscription Licenses</b>			
3HE11687DA	NSG-C Base Router RTU Subscription	\$ 232	\$ 188
3HE11688DA	NSG-C VPN Router RTU Subscription	\$ 86	\$ 70
3HE11689DA	NSG-C IPsec License Subscription	\$ 80	\$ 65
3HE11690DA	NSG-C Bus Intel RTU Subscription	\$ 39	\$ 32
3HE11691DA	NSG-C Service Chaining RTU Subscription	\$ 39	\$ 32
<b>NSG Base Router Subscription Licenses</b>			
3HE11648DA	NSG-V Base Router RTU Subscription 100Mbps	\$ 271	\$ 219
3HE11649DA	NSG-V Base Router RTU Subscription 200Mbps	\$ 406	\$ 329
3HE11650DA	NSG-V Base Router RTU Subscription 500Mbps	\$ 677	\$ 548
3HE11651DA	NSG-V Base Router RTU Subscription 1000Mbps	\$ 1,353	\$ 1,096
3HE11652DA	NSG-V Base Router RTU Subscription 2000Mbps	\$ 4,059	\$ 3,288
3HE11653DA	NSG-V Base Router RTU Subscription 10000Mbps	\$ 4,871	\$ 3,945
<b>NSG VPN Router Subscription Licenses</b>			
3HE11654DA	NSG VPN Router RTU Subscription 100Mbps	\$ 123	\$ 100
3HE11655DA	NSG VPN Router RTU Subscription 200Mbps	\$ 185	\$ 149
3HE11656DA	NSG VPN Router RTU Subscription 500Mbps	\$ 308	\$ 249
3HE11657DA	NSG VPN Router RTU Subscription 1000Mbps	\$ 615	\$ 498
3HE11658DA	NSG VPN Router RTU Subscription 2000Mbps	\$ 1,845	\$ 1,494
3HE11659DA	NSG VPN Router RTU Subscription 10000Mbps	\$ 2,214	\$ 1,793
<b>NSG ACL Subscription Licenses</b>			
3HE11692DA	NSG ACL RTU Subscription 100Mbps	\$ 23	\$ 18
3HE11693DA	NSG ACL RTU Subscription 200Mbps	\$ 35	\$ 28
3HE11694DA	NSG ACL RTU Subscription 500Mbps	\$ 57	\$ 46
3HE11695DA	NSG ACL RTU Subscription 1000Mbps	\$ 113	\$ 91



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Part No	Description	Unit GLP	Unit Sell Price
3HE11696DA	NSG ACL RTU Subscription 2000Mbps	\$ 338	\$ 274
3HE11697DA	NSG ACL RTU 10000Mbps Subscription	\$ 406	\$ 329
<b>NSG NAT/PAT Subscription Licenses</b>			
3HE11660DA	NSG NAT/PAT RTU Subscription 100Mbps	\$ 35	\$ 28
3HE11661DA	NSG NAT/PAT RTU Subscription 200Mbps	\$ 51	\$ 42
3HE11662DA	NSG NAT/PAT RTU Subscription 500Mbps	\$ 86	\$ 70
3HE11663DA	NSG NAT/PAT RTU Subscription 1000Mbps	\$ 170	\$ 138
3HE11664DA	NSG NAT/PAT RTU Subscription 2000Mbps	\$ 508	\$ 412
3HE11665DA	NSG NAT/PAT RTU Subscription 10000Mbps	\$ 609	\$ 493
<b>NSG IPsec Subscription Licenses</b>			
3HE11666DA	NSG IPsec RTU Subscription 100Mbps	\$ 113	\$ 91
3HE11667DA	NSG IPsec RTU Subscription 200Mbps	\$ 170	\$ 138
3HE11668DA	NSG IPsec RTU Subscription 500Mbps	\$ 283	\$ 229
3HE11669DA	NSG IPsec RTU Subscription 1000Mbps	\$ 564	\$ 457
3HE11670DA	NSG IPsec RTU Subscription 2000Mbps	\$ 1,691	\$ 1,370
3HE11671DA	NSG IPsec RTU Subscription 10000Mbps	\$ 2,030	\$ 1,644
<b>NSG Border Router Subscription Licenses</b>			
3HE11672DA	NSG Border Router RTU Subscription 1Gbps	\$ 5,943	\$ 4,814
3HE11673DA	NSG Border Router RTU Subscription 2Gbps	\$ 7,091	\$ 5,744
3HE11674DA	NSG Border Router RTU Subscription 10Gbps	\$ 21,318	\$ 17,268
<b>NSG Business Intelligence Subscription Licenses</b>			
3HE11675DA	NSG Bus Intel RTU Subscription 100Mbps	\$ 57	\$ 46
3HE11676DA	NSG Bus Intel RTU Subscription 200Mbps	\$ 86	\$ 70
3HE11677DA	NSG Bus Intel RTU Subscription 500Mbps	\$ 141	\$ 115
3HE11678DA	NSG Bus Intel RTU Subscription 1000Mbps	\$ 283	\$ 229
3HE11679DA	NSG Bus Intel RTU Subscription 2000Mbps	\$ 847	\$ 686
3HE11680DA	NSG Bus Intel RTU Subscription 10000Mbps	\$ 1,015	\$ 822
<b>NSG Service Chaining Subscription Licenses</b>			
3HE11681DA	NSG Service Chaining RTU Subscription 100Mbps	\$ 57	\$ 46
3HE11682DA	NSG Service Chaining RTU Subscription 200Mbps	\$ 86	\$ 70
3HE11683DA	NSG Service Chaining RTU Subscription 500Mbps	\$ 141	\$ 115
3HE11684DA	NSG Service Chaining RTU Subscription 1000Mbps	\$ 283	\$ 229
3HE11685DA	NSG Service Chaining RTU Subscription 2000Mbps	\$ 847	\$ 686
3HE11686DA	NSG Service Chaining RTU Subscription 10000Mbps	\$ 1,015	\$ 822
<b>Virtualized Security Services (VSS) Licenses</b>			
3HE11557AA	VSS-L4-DataSource-VRS-10G	\$ 1,225	\$ 992
3HE11558AA	VSS-L4-DataSource-VRS-40G	\$ 4,250	\$ 3,443
3HE11561AA	VSS-L4-Security-Insights-Alerts-Act-VSD	\$ 9,990	\$ 8,092
3HE11565DA	VSS-L4-DataSource-NSG-100M	\$ 165	\$ 134
3HE11566DA	VSS-L4-DataSource-NSG-200M	\$ 250	\$ 203
3HE11567DA	VSS-L4-DataSource-NSG-500M	\$ 415	\$ 336
3HE11568DA	VSS-L4-DataSource-NSG-1G	\$ 825	\$ 668
3HE11569DA	VSS-L4-DataSource-NSG-2G	\$ 2,475	\$ 2,005
3HE11570DA	VSS-L4-DataSource-NSG-10G	\$ 2,950	\$ 2,390
<b>Virtualized Security Services (VSS) Subscriptions</b>			
3HE11559AA	S-VSS-L4-DataSource-VRS-10G Subscription	\$ 490	\$ 397
3HE11560AA	S-VSS-L4-DataSource-VRS-40G Subscription	\$ 1,700	\$ 1,377
3HE11562AA	S-VSS-L4-Security-Insights-Alerts-Action-VSD Subscription	\$ 5,995	\$ 4,856
3HE11642DA	VSS-L4-DataSource-NSG-100M Subscription	\$ 68	\$ 55
3HE11643DA	VSS-L4-DataSource-NSG-200M Subscription	\$ 103	\$ 83
3HE11644DA	VSS-L4-DataSource-NSG-500M Subscription	\$ 170	\$ 138
3HE11645DA	VSS-L4-DataSource-NSG-1G Subscription	\$ 338	\$ 274
3HE11646DA	VSS-L4-DataSource-NSG-2G Subscription	\$ 1,015	\$ 822
3HE11647DA	VSS-L4-DataSource-NSG-10G Subscription	\$ 1,210	\$ 980
<b>Deepfield Network Intelligence</b>			



Part No	Description	Unit GLP	Unit Sell Price
<b>Deepfield Core Platform Licenses</b>			
3HE11816AA	DEEPFIELD CORE PER RTR (<100) PERP	\$ 19,600	\$ 15,876
3HE11817AA	DEEPFIELD CORE PER RTR (>100) PERP	\$ 11,200	\$ 9,072
3HE11818AA	DEEPFIELD CORE PER RTR (>200) PERP	\$ 5,600	\$ 4,536
3HE11819AA	DEEPFIELD CORE PER RTR (<100) 3YRTRM	\$ 19,600	\$ 15,876
3HE11820AA	DEEPFIELD CORE PER RTR (>100) 3YRTRM	\$ 11,200	\$ 9,072
3HE11821AA	DEEPFIELD SING PER RTR (>=200) 3YRTRM	\$ 5,600	\$ 4,536
3HE11822AA	DEEPFIELD CORE PER RTR (<100) 1YRHOST	\$ 7,840	\$ 6,350
3HE11823AA	DEEPFIELD CORE PER RTR (>100) 1YRHOST	\$ 4,480	\$ 3,629
3HE11824AA	DEEPFIELD CORE PER RTR (>=200) 1YRHOST	\$ 2,240	\$ 1,814
<b>Deepfield Cloud Intelligence Licenses</b>			
3HE11826AA	DEEPFIELD CI PER GBPS (50GB-250GB) PERP	\$ 1,157	\$ 938
3HE11827AA	DEEPFIELD CI PER GBPS (251GB-1000GB) PERP	\$ 661	\$ 536
3HE11828AA	DEEPFIELD CI PER GBPS (1001GB-5000GB) PERP	\$ 165	\$ 134
3HE11829AA	DEEPFIELD CI PER GBPS (>5000GB) PERP	\$ 71	\$ 57
3HE11830AA	DEEPFIELD CI PER GBPS (50GB-250GB) 3YRTRM	\$ 1,029	\$ 833
3HE11831AA	DEEPFIELD CI PER GBPS (251GB-1000GB) 3YRTRM	\$ 588	\$ 476
3HE11832AA	DEEPFIELD CI PER GBPS (1001GB-5000GB) 3YRTRM	\$ 147	\$ 119
3HE11833AA	DEEPFIELD CI PER GBPS (>5000GB) 3YRTRM	\$ 63	\$ 51
3HE11834AA	DEEPFIELD CI PER GBPS (50GB-250GB) 1YRHOST	\$ 463	\$ 375
3HE11835AA	DEEPFIELD CI PER GBPS (251GB-1000GB) 1YRHOST	\$ 265	\$ 214
3HE11836AA	DEEPFIELD CI PER GBPS (1001GB-5000GB) 1YRHOST	\$ 66	\$ 54
3HE11837AA	DEEPFIELD CI PER GBPS (>5000GB) 1YRHOST	\$ 28	\$ 23
<b>Deepfield Genome Licenses</b>			
3HE11839AA	DEEPFIELD INTERNET GENOME-PERP	\$ 210,000	\$ 170,100
3HE11840AA	DEEPFIELD INTERNET GENOME-3YRTRM	\$ 186,690	\$ 151,219
3HE11841AA	DEEPFIELD INTERNET GENOME-1YRHOST	\$ 84,000	\$ 68,040
<b>Deepfield Defender</b>			
3HE11842AA	DEEPFIELD DEFENDER PER RTR W/BGP-PERP	\$ 23,590	\$ 19,108
3HE11843AA	DEEPFIELD DEFENDER PER RTR W/BGP-3YRTRM	\$ 20,972	\$ 16,987
3HE11844AA	DEEPFIELD DEFENDER PER RTR W/BGP-1YRHOST	\$ 9,436	\$ 7,643
3HE11845AA	DEEPFIELD DEFENDER PER RTR W/OBGP-PERP	\$ 3,990	\$ 3,232
3HE11846AA	DEEPFIELD DEFENDER PER RTR W/OBGP-3YRTRM	\$ 3,548	\$ 2,874
3HE11847AA	DEEPFIELD DEFENDER PER RTR W/OBGP-1YRHOST	\$ 1,183	\$ 958
3HE11848AA	DEFENDER MITIGATION CONNECTOR- PERP	\$ 1,330	\$ 1,077
3HE11849AA	DEFENDER MITIGATION CONNECTOR - 3YRTRM	\$ 1,183	\$ 958
3HE11850AA	DEFENDER MITIGATION CONNECTOR-HOST	\$ 532	\$ 431
<b>Deepfield Service Intelligence</b>			
3HE11852AA	DEEPFIELD SERVI PER SUB (<1M SUBS)-PERP	\$ 1	\$ 0
3HE11853AA	DEEPFIELD SERVI PER SUB (< 5M SUBS)-PERP	\$ 0	\$ 0
3HE11854AA	DEEPFIELD SERVI PER SUB (< 10M SUBS)-PERP	\$ 0	\$ 0
3HE11855AA	DEEPFIELD SERVI PER SUB (+10M SUBS)-PERP	\$ 0	\$ 0
3HE11856AA	DEEPFIELD SERVI PER SUB (<1M SUBS)-3YRTRM	\$ 0	\$ 0
3HE11857AA	DEEPFIELD SERVI PER SUB (< 5M SUBS) -3YRTRM	\$ 0	\$ 0
3HE11858AA	DEEPFIELD SERVI PER SUB (< 10M SUBS) -3YRTRM	\$ 0	\$ 0
3HE11859AA	DEEPFIELD SERVI PER SUB (+10M SUBS) - 3YRTRM	\$ 0	\$ 0
3HE11860AA	DEEPFIELD SERVI PER SUB (<1M SUBS)-1YRHOST	\$ 0	\$ 0
3HE11861AA	DEEPFIELD SERVI PER SUB (< 5M SUBS) -1YRHOST	\$ 0	\$ 0
3HE11862AA	DEEPFIELD SERVI PER SUB (< 10M SUBS) -1YRHOST	\$ 0	\$ 0
3HE11863AA	DEEPFIELD SERVI PER SUB (+10M SUBS) -1YRHOST	\$ 0	\$ 0
<b>Deepfield Subscriber Intelligence</b>			
3HE11865AA	DEEPFIELD SUBI PER SUB (<1M SUBS)-PERP	\$ 1	\$ 1
3HE11866AA	DEEPFIELD SUBI PER SUB (< 5M SUBS)-PERP	\$ 1	\$ 1
3HE11867AA	DEEPFIELD SUBI PER SUB (< 10M SUBS)-PERP	\$ 1	\$ 1
3HE11868AA	DEEPFIELD SUBI PER SUB (+10M SUBS) -PERP	\$ 1	\$ 0
3HE11869AA	DEEPFIELD SUBI PER SUB (<1M SUBS)-3YRTRM	\$ 1	\$ 1
3HE11870AA	DEEPFIELD SUBI PER SUB (< 5M SUBS)-3YRTRM	\$ 1	\$ 1
3HE11871AA	DEEPFIELD SUBI PER SUB (< 10M SUBS)-3YRTRM	\$ 1	\$ 1
3HE11872AA	DEEPFIELD SUBI PER SUB (+10M SUBS) -3YRTRM	\$ 0	\$ 0
3HE11873AA	DEEPFIELD SUBI PER SUB (<1M SUBS)-1YRHOST	\$ 1	\$ 0
3HE11874AA	DEEPFIELD SUBI PER SUB (< 5M SUBS)-1YRHOST	\$ 0	\$ 0
3HE11875AA	DEEPFIELD SUBI PER SUB (< 10M SUBS)-1YRHOST	\$ 0	\$ 0
3HE11876AA	DEEPFIELD SUBI PER SUB (+10M SUBS) -1YRHOST	\$ 0	\$ 0
<b>Deepfield Connector Licenses</b>			
3HE11878AA	DEEPFIELD RADIUS CONNECTOR LICENSE	\$ 400,000	\$ 324,000
3HE11879AA	DEEPFIELD DNS CONNECTOR LICENSE	\$ 200,000	\$ 162,000
3HE11880AA	DEEPFIELD GENERIC CONNECTOR LICENSE	\$ 200,000	\$ 162,000

Part No	Description	Unit GLP	Unit Sell Price
<b>5620 Service Aware Manager (SAM)</b>			
3HE00210NA	5620 SAM R12 OPERATOR POSITION	\$ 5,000.00	\$ 3,000.00
3HE00210PA	5620 SAM R13 OPERATOR POSITION	\$ 5,000.00	\$ 3,000.00
3HE00210QA	5620 SAM R14 OPERATOR POSITION	\$ 5,000.00	\$ 2,862.27
3HE00220NA	5620 SAM-E R12 LICENSE - 7750/7710 MDA	\$ 1,900.00	\$ 1,140.00
3HE00220NB	5620 SAM-E LIC UPG- R12 - 7750/7710 MDA	\$ 950.00	\$ 570.00
3HE00220PA	5620 SAM-E R13 LICENSE - 7750/7710 MDA	\$ 1,900.00	\$ 1,140.00
3HE00220PB	5620 SAM-E LIC UPG- R13 - 7750/7710 MDA	\$ 950.00	\$ 570.00
3HE00323NA	5620 SAM-E R12 LICENSE -7450 Series MDA	\$ 1,100.00	\$ 660.00
3HE00323NB	5620 SAM-E LIC. UPG. TO R12 - 7450 MDA	\$ 550.00	\$ 330.00
3HE00323PA	5620 SAM-E R13 LICENSE -7450 Series MDA	\$ 1,100.00	\$ 660.00
3HE00323PB	5620 SAM-E LIC. UPG. TO R13 - 7450 MDA	\$ 550.00	\$ 330.00
3HE00407LA	5620 SAM SMALL LAB SSP WITH 3 YEAR UPG's	\$ 50,000.00	\$ 30,000.00
3HE00407LB	5620 SAM MED. LAB SSP WITH 3 YEAR UPG's	\$ 96,173.69	\$ 57,704.21
3HE00407LC	5620 SAM LARGE LAB SSP WITH 3 YEAR UPG's	\$ 189,440.64	\$ 113,664.38
3HE00407LD	5620 SAM SMALL LAB SSP EXT. 3 YEAR UPG's	\$ 12,800.00	\$ 7,680.00
3HE00407LE	5620 SAM MED. LAB SSP EXT. 3 YEAR UPG's	\$ 25,600.00	\$ 15,360.00
3HE00407LF	5620 SAM LARGE LAB SSP EXT. 3 YEAR UPG's	\$ 51,200.00	\$ 30,720.00
3HE00660NA	5620 SAM-O R12 LICENSE	\$ 30,000.00	\$ 18,000.00
3HE00660NB	5620 SAM-O LIC. UPG. TO R12	\$ 15,000.00	\$ 9,000.00
3HE00660PA	5620 SAM-O R13 LICENSE	\$ 30,000.00	\$ 18,000.00
3HE00660PB	5620 SAM-O LIC. UPG. TO R13	\$ 15,000.00	\$ 9,000.00
3HE00756NA	5620 SAM-E/A/P R12 Lic. - 7750/7710 MDA	\$ 6,200.00	\$ 3,720.00
3HE00756NB	5620 SAM-E/A/P Lic Upg- R12-7750/10 MDA	\$ 3,100.00	\$ 1,860.00
3HE00756PA	5620 SAM-E/A/P R13 Lic. - 7750/7710 MDA	\$ 6,200.00	\$ 3,720.00
3HE00756PB	5620 SAM-E/A/P Lic Upg- R13-7750/10 MDA	\$ 3,100.00	\$ 1,860.00
3HE00757NA	5620 SAM-E/A/P R12 Lic-7450 Series MDA	\$ 3,600.00	\$ 2,160.00
3HE00757NB	5620 SAM-E/A/P Lic Upg to R12-7450 MDA	\$ 1,800.00	\$ 1,080.00
3HE00757PA	5620 SAM-E/A/P R13 Lic-7450 Series MDA	\$ 3,600.00	\$ 2,160.00
3HE00757PB	5620 SAM-E/A/P Lic Upg to R13-7450 MDA	\$ 1,800.00	\$ 1,080.00
3HE00981NA	5620 SAM R12 BASE PRODUCT	\$ 25,000.00	\$ 15,000.00
3HE00981NB	5620 SAM BASE PRODUCT UPGRADE - R12	\$ 12,500.00	\$ 7,500.00
3HE00981NC	5620 SAM WINDOWS -SOLARIS/LINUX UPG R12	\$ 10,000.00	\$ 6,000.00
3HE00981PA	5620 SAM R13 BASE PRODUCT	\$ 25,000.00	\$ 15,000.00
3HE00981PB	5620 SAM BASE PRODUCT UPGRADE - R13	\$ 12,500.00	\$ 7,500.00
3HE00981PC	5620 SAM WINDOWS to LINUX UPG R13	\$ 10,000.00	\$ 6,000.00
3HE00986NA	5620 SAM R12 REDUNDANCY LICENSE	\$ 80,000.00	\$ 48,000.00
3HE00986NB	5620 SAM REDUNDANCY LIC. UPG. TO R12	\$ 40,000.00	\$ 24,000.00
3HE00986PA	5620 SAM R13 REDUNDANCY LICENSE	\$ 80,000.00	\$ 48,000.00
3HE00986PB	5620 SAM REDUNDANCY LIC. UPG. TO R13	\$ 40,000.00	\$ 24,000.00
3HE00986QA	5620 SAM R14 REDUNDANCY LICENSE	\$ 80,000.00	\$ 47,704.50
3HE00986QB	5620 SAM R14 REDUNDANCY UPG. - R14	\$ 40,000.00	\$ 23,852.25
3HE01550NA	5620 SAM-E/A/P R12 -7710/7750SRc4/12 CMA	\$ 1,750.00	\$ 1,050.00
3HE01550NB	5620 SAM-EAP Upg R12-7710/7750SRc4/12CMA	\$ 875.00	\$ 525.00
3HE01550PA	5620 SAM-E/A/P R13 -7710/7750SRc4/12 CMA	\$ 1,750.00	\$ 1,050.00
3HE01550PB	5620 SAM-EAP Upg R13-7710/7750SRc4/12CMA	\$ 875.00	\$ 525.00
3HE01552NA	5620 SAM-E R12 LIC-7710 CMA/7750 SRc4/12	\$ 536.00	\$ 321.60
3HE01552NB	5620 SAM-E UPG R12-7710/7750 SRc4/12 CMA	\$ 268.00	\$ 160.80
3HE01552PA	5620 SAM-E R13 LIC-7710 CMA/7750 SRc4/12	\$ 536.00	\$ 321.60
3HE01552PB	5620 SAM-E UPG R13-7710/7750 SRc4/12 CMA	\$ 268.00	\$ 160.80
3HE02023NA	5620 SAM-E/A/P R12 License -GNE	\$ 100.00	\$ 60.00
3HE02023NB	5620 SAM-E/A/P R12 License Upg -GNE	\$ 50.00	\$ 30.00
3HE02023PA	5620 SAM-E/A/P R13 License -GNE	\$ 100.00	\$ 60.00
3HE02023PB	5620 SAM-E/A/P R13 License Upg -GNE	\$ 50.00	\$ 30.00
3HE03603NA	5620 SAM-E/A/P R12 LICENSE - 7705 SAR-8	\$ 2,475.00	\$ 1,485.00
3HE03603NB	5620 SAM-E/A/P LIC UPG - R12-7705 SAR-8	\$ 1,237.50	\$ 742.50
3HE03603PA	5620 SAM-E/A/P R13 LICENSE - 7705 SAR-8	\$ 2,475.00	\$ 1,485.00
3HE03603PB	5620 SAM-E/A/P LIC UPG - R13-7705 SAR-8	\$ 1,237.50	\$ 742.50
3HE03604NA	5620 SAM-E R12 LICENSE - 7705 SAR-8	\$ 827.00	\$ 496.20
3HE03604NB	5620 SAM-E LIC UPG - R12-7705 SAR-8	\$ 413.50	\$ 248.10
3HE03604PA	5620 SAM-E R13 LICENSE - 7705 SAR-8	\$ 827.00	\$ 496.20
3HE03604PB	5620 SAM-E LIC UPG - R13-7705 SAR-8	\$ 413.50	\$ 248.10
3HE03605NA	5620 SAM-EAP R12 ADDL- 7705 SAR-8/18 MDA	\$ 425.00	\$ 255.00
3HE03605NB	5620 SAMEAP LIC UPG-R12 ADD-SAR-8/18 MDA	\$ 212.50	\$ 127.50
3HE03605PA	5620 SAM-EAP R13 ADDL- 7705 SAR-8/18 MDA	\$ 425.00	\$ 255.00

Part No	Description	Unit GLP	Unit Sell Price
3HE03605PB	5620 SAMEAP LIC UPG-R13 ADD-SAR-8/18 MDA	\$ 212.50	\$ 127.50
3HE03606NA	5620 SAM-E R12 ADD'L- 7705 SAR-8/18 MDA	\$ 144.00	\$ 86.40
3HE03606NB	5620 SAME LIC UPG-R12 ADD'L-SAR-8/18 MDA	\$ 72.00	\$ 43.20
3HE03606PA	5620 SAM-E R13 ADD'L- 7705 SAR-8/18 MDA	\$ 144.00	\$ 86.40
3HE03606PB	5620 SAME LIC UPG-R13 ADD'L-SAR-8/18 MDA	\$ 72.00	\$ 43.20
3HE04058NA	5620 SAM-EAP R12 LIC. OS6850/E CHASSIS	\$ 400.00	\$ 240.00
3HE04058NB	5620 SAM-EAP R12 UPG -OS6850/E CHASSIS	\$ 200.00	\$ 120.00
3HE04058PA	5620 SAM-EAP R13 LIC. OS6850/E CHASSIS	\$ 400.00	\$ 240.00
3HE04058PB	5620 SAM-EAP R13 UPG -OS6850/E CHASSIS	\$ 200.00	\$ 120.00
3HE04059NA	5620 SAM-E R12 LIC. OS6850/E CHASSIS	\$ 300.00	\$ 180.00
3HE04059NB	5620 SAM-E R12 UPG LIC- OS6850/E CHASSIS	\$ 150.00	\$ 90.00
3HE04059PA	5620 SAM-E R13 LIC. OS6850/E CHASSIS	\$ 300.00	\$ 180.00
3HE04059PB	5620 SAM-E R13 UPG LIC- OS6850/E CHASSIS	\$ 150.00	\$ 90.00
3HE04331NA	5620 SAM-E/A/P R12 7750/7710 SR PREM MDA	\$ 12,400.00	\$ 7,440.00
3HE04331NB	5620 SAM-EAP UPG R12 7750/7710 PREM. MDA	\$ 6,200.00	\$ 3,720.00
3HE04331PA	5620 SAM-E/A/P R13 7750/7710 SR PREM MDA	\$ 12,400.00	\$ 7,440.00
3HE04331PB	5620 SAM-EAP UPG R13 7750/7710 PREM. MDA	\$ 6,200.00	\$ 3,720.00
3HE04332NA	5620 SAM-E/A/P R12 7450 PREMIUM MDA	\$ 7,200.00	\$ 4,320.00
3HE04332NB	5620 SAM-EAP UPG LIC R12 7450 PREM. MDA	\$ 3,600.00	\$ 2,160.00
3HE04332PA	5620 SAM-E/A/P R13 7450 PREMIUM MDA	\$ 7,200.00	\$ 4,320.00
3HE04332PB	5620 SAM-EAP UPG LIC R13 7450 PREM. MDA	\$ 3,600.00	\$ 2,160.00
3HE04333NA	5620 SAM-E R12 7750/7710 SR PREMIUM MDA	\$ 3,800.00	\$ 2,280.00
3HE04333NB	5620 SAM-E UPG LIC R12 7750/7710 PRE MDA	\$ 1,900.00	\$ 1,140.00
3HE04333PA	5620 SAM-E R13 7750/7710 SR PREMIUM MDA	\$ 3,800.00	\$ 2,280.00
3HE04333PB	5620 SAM-E UPG LIC R13 7750/7710 PRE MDA	\$ 1,900.00	\$ 1,140.00
3HE04334NA	5620 SAM-E R12 7450 PREMIUM MDA	\$ 2,200.00	\$ 1,320.00
3HE04334NB	5620 SAM-E UPG LIC. R12 7450 PREMIUM MDA	\$ 1,100.00	\$ 660.00
3HE04334PA	5620 SAM-E R13 7450 PREMIUM MDA	\$ 2,200.00	\$ 1,320.00
3HE04334PB	5620 SAM-E UPG LIC. R13 7450 PREMIUM MDA	\$ 1,100.00	\$ 660.00
3HE04352NA	5620 SAM-E/A/P R12 LIC. OS6400 CHASSIS	\$ 250.00	\$ 150.00
3HE04352NB	5620 SAM-EAP R12 UPG LIC. OS6400 CHASSIS	\$ 125.00	\$ 75.00
3HE04352PA	5620 SAM-E/A/P R13 LIC. OS6400 CHASSIS	\$ 250.00	\$ 150.00
3HE04352PB	5620 SAM-EAP R13 UPG LIC. OS6400 CHASSIS	\$ 125.00	\$ 75.00
3HE04353NA	5620 SAM-E/A/P R12 LIC. OS6855 CHASSIS	\$ 400.00	\$ 240.00
3HE04353NB	5620 SAM-E/AP R12 UPG LIC OS6855 CHASSIS	\$ 200.00	\$ 120.00
3HE04353PA	5620 SAM-E/A/P R13 LIC. OS6855 CHASSIS	\$ 400.00	\$ 240.00
3HE04353PB	5620 SAM-E/AP R13 UPG LIC OS6855 CHASSIS	\$ 200.00	\$ 120.00
3HE04354NA	5620 SAM-E LIC - R12 - OS6400 CHASSIS	\$ 180.00	\$ 108.00
3HE04354NB	5620 SAM-E UPG. LIC. R12 -OS6400 CHASSIS	\$ 90.00	\$ 54.00
3HE04354PA	5620 SAM-E LIC - R13 - OS6400 CHASSIS	\$ 180.00	\$ 108.00
3HE04354PB	5620 SAM-E UPG. LIC. R13 -OS6400 CHASSIS	\$ 90.00	\$ 54.00
3HE04355NA	5620 SAM-E R12 LIC. OS6855 CHASSIS	\$ 300.00	\$ 180.00
3HE04355NB	5620 SAM-E R12 UPG. LIC. -OS6855 CHASSIS	\$ 150.00	\$ 90.00
3HE04355PA	5620 SAM-E R13 LIC. OS6855 CHASSIS	\$ 300.00	\$ 180.00
3HE04355PB	5620 SAM-E R13 UPG. LIC. -OS6855 CHASSIS	\$ 150.00	\$ 90.00
3HE04370NA	5620 SAM-E/A/P R12 LICENSE-7705 SAR-F	\$ 1,900.00	\$ 1,140.00
3HE04370NB	5620 SAM-EAP UPG LIC R12 LIC -7705 SAR-F	\$ 950.00	\$ 570.00
3HE04370PA	5620 SAM-E/A/P R13 LICENSE-7705 SAR-F	\$ 1,900.00	\$ 1,140.00
3HE04370PB	5620 SAM-EAP UPG LIC R13 LIC -7705 SAR-F	\$ 950.00	\$ 570.00
3HE04371NA	5620 SAM-E R12 LICENSE-7705 SAR-F	\$ 634.00	\$ 380.40
3HE04371NB	5620 SAM-E UPG LIC R12 LIC. - 7705 SAR-F	\$ 317.00	\$ 190.20
3HE04371PA	5620 SAM-E R13 LICENSE-7705 SAR-F	\$ 634.00	\$ 380.40
3HE04371PB	5620 SAM-E UPG LIC R13 LIC. - 7705 SAR-F	\$ 317.00	\$ 190.20
3HE04836NA	5620 SAM-E R12 LICENSE- 7210 SAS-E	\$ 190.00	\$ 114.00
3HE04836NB	5620 SAM-E R12 UPG LICENSE- 7210 SAS-E	\$ 95.00	\$ 57.00
3HE04836PA	5620 SAM-E R13 LICENSE- 7210 SAS-E	\$ 190.00	\$ 114.00
3HE04836PB	5620 SAM-E R13 UPG LICENSE- 7210 SAS-E	\$ 95.00	\$ 57.00
3HE04837NA	5620 SAM-E/A/P R12 LICENSE- 7210 SAS-E	\$ 380.00	\$ 228.00
3HE04837NB	5620 SAM-E/A/P R12 UPG LIC.- 7210 SAS-E	\$ 190.00	\$ 114.00
3HE04837PA	5620 SAM-E/A/P R13 LICENSE- 7210 SAS-E	\$ 380.00	\$ 228.00
3HE04837PB	5620 SAM-E/A/P R13 UPG LIC.- 7210 SAS-E	\$ 190.00	\$ 114.00
3HE04838NA	5620 SAM-E R12 LICENSE- 7210 SAS-M	\$ 310.00	\$ 186.00
3HE04838NB	5620 SAM-E R12 UPG LICENSE- 7210 SAS-M	\$ 155.00	\$ 93.00
3HE04838PA	5620 SAM-E R13 LICENSE- 7210 SAS-M	\$ 310.00	\$ 186.00
3HE04838PB	5620 SAM-E R13 UPG LICENSE- 7210 SAS-M	\$ 155.00	\$ 93.00

Part No	Description	Unit GLP	Unit Sell Price
3HE04839NA	5620 SAM-E/A/P R12 LICENSE- 7210 SAS-M	\$ 620.00	\$ 372.00
3HE04839NB	5620 SAM-E/A/P R12 UPG LIC - 7210 SAS-M	\$ 310.00	\$ 186.00
3HE04839PA	5620 SAM-E/A/P R13 LICENSE- 7210 SAS-M	\$ 620.00	\$ 372.00
3HE04839PB	5620 SAM-E/A/P R13 UPG LIC - 7210 SAS-M	\$ 310.00	\$ 186.00
3HE04840NA	5620 SAM-E/A/P R12 LIC. - OS9-GNI CARD	\$ 500.00	\$ 300.00
3HE04840NB	5620 SAM-E/A/P R12 UPG LIC- OS9-GNI CARD	\$ 250.00	\$ 150.00
3HE04840PA	5620 SAM-E/A/P R13 LIC. - OS9-GNI CARD	\$ 500.00	\$ 300.00
3HE04840PB	5620 SAM-E/A/P R13 UPG LIC- OS9-GNI CARD	\$ 250.00	\$ 150.00
3HE04841NA	5620 SAM-E/A/P R12 LIC. - OS9-XNI CARD	\$ 900.00	\$ 540.00
3HE04841NB	5620 SAM-E/A/P R12 UPG LIC- OS9-XNI CARD	\$ 450.00	\$ 270.00
3HE04841PA	5620 SAM-E/A/P R13 LIC. - OS9-XNI CARD	\$ 900.00	\$ 540.00
3HE04841PB	5620 SAM-E/A/P R13 UPG LIC- OS9-XNI CARD	\$ 450.00	\$ 270.00
3HE04842NA	5620 SAM-E R12 LIC. - OS9-GNI CARD	\$ 150.00	\$ 90.00
3HE04842NB	5620 SAM-E R12 UPG. LIC. - OS9-GNI CARD	\$ 75.00	\$ 45.00
3HE04842PA	5620 SAM-E R13 LIC. - OS9-GNI CARD	\$ 150.00	\$ 90.00
3HE04842PB	5620 SAM-E R13 UPG. LIC. - OS9-GNI CARD	\$ 75.00	\$ 45.00
3HE04843NA	5620 SAM-E R12 LIC. - OS9-XNI CARD	\$ 270.00	\$ 162.00
3HE04843NB	5620 SAM-E R12 UPG. LIC. - OS9-XNI CARD	\$ 135.00	\$ 81.00
3HE04843PA	5620 SAM-E R13 LIC. - OS9-XNI CARD	\$ 270.00	\$ 162.00
3HE04843PB	5620 SAM-E R13 UPG. LIC. - OS9-XNI CARD	\$ 135.00	\$ 81.00
3HE04844NA	5620 SAM-E/A/P R12 LIC- 9500 MPR MSS-8	\$ 1,798.00	\$ 1,078.80
3HE04844NB	5620 SAM-E/A/P R12 UPG LIC 9500 MPR MSS8	\$ 899.00	\$ 539.40
3HE04844PA	5620 SAM-E/A/P R13 LIC- 9500 MPR MSS-8	\$ 1,798.00	\$ 1,078.80
3HE04844PB	5620 SAM-E/A/P R13 UPG LIC 9500 MPR MSS8	\$ 899.00	\$ 539.40
3HE04845NA	5620 SAM-E/A/P R12 LIC- 9500 MPR MSS-4	\$ 1,529.00	\$ 917.40
3HE04845NB	5620 SAM-E/A/P R12 UPG LIC 9500 MPR MSS4	\$ 764.50	\$ 458.70
3HE04845PA	5620 SAM-E/A/P R13 LIC- 9500 MPR MSS-4	\$ 1,529.00	\$ 917.40
3HE04845PB	5620 SAM-E/A/P R13 UPG LIC 9500 MPR MSS4	\$ 764.50	\$ 458.70
3HE05665NA	5620 SAM-EAP R12 Lic -7750 SR MG-ISM MOD	\$ 24,800.00	\$ 14,880.00
3HE05665NB	5620 SAM-E/A/P R12 UPG - 7750 SR MG-ISM	\$ 12,400.00	\$ 7,440.00
3HE05665PA	5620 SAM-EAP R13 Lic -7750 SR MG-ISM MOD	\$ 24,800.00	\$ 14,880.00
3HE05665PB	5620 SAM-E/A/P R13 UPG - 7750 SR MG-ISM	\$ 12,400.00	\$ 7,440.00
3HE05666NA	5620 SAM-E/A/P R12 Lic-9471 WMM/SRS CARD	\$ 18,600.00	\$ 11,160.00
3HE05666NB	5620 SAM-E/A/P R12 UPG LIC 9471 WMM CARD	\$ 9,300.00	\$ 5,580.00
3HE05666PA	5620 SAM-E/A/P R13 Lic-9471 WMM/SRS CARD	\$ 18,600.00	\$ 11,160.00
3HE05666PB	5620 SAM-E/A/P R13 UPG LIC 9471 WMM CARD	\$ 9,300.00	\$ 5,580.00
3HE05667NA	5620 SAM-E/A/P R12 LIC. - 5780 DSC MOD	\$ 8,060.00	\$ 4,836.00
3HE05667NB	5620 SAM-E/A/P R12 UPG LIC 5780 DSC MOD	\$ 4,020.00	\$ 2,412.00
3HE05667PA	5620 SAM-E/A/P R13 LIC. - 5780 DSC MOD	\$ 8,060.00	\$ 4,836.00
3HE05667PB	5620 SAM-E/A/P R13 UPG LIC 5780 DSC MOD	\$ 4,020.00	\$ 2,412.00
3HE05787NA	5620 SAM-E/A/P R12 LIC. OS6250 CHASSIS	\$ 90.00	\$ 54.00
3HE05787NB	5620 SAM-EAP R12 UPG. LIC OS6250 CHASSIS	\$ 45.00	\$ 27.00
3HE05787PA	5620 SAM-E/A/P R13 LIC. OS6250 CHASSIS	\$ 90.00	\$ 54.00
3HE05787PB	5620 SAM-EAP R13 UPG. LIC OS6250 CHASSIS	\$ 45.00	\$ 27.00
3HE05788NA	5620 SAM-E R12 LIC. OS6250 CHASSIS	\$ 45.00	\$ 27.00
3HE05788NB	5620 SAM-E R12 UPG. LIC. -OS6250 CHASSIS	\$ 22.50	\$ 13.50
3HE05788PA	5620 SAM-E R13 LIC. OS6250 CHASSIS	\$ 45.00	\$ 27.00
3HE05788PB	5620 SAM-E R13 UPG. LIC. -OS6250 CHASSIS	\$ 22.50	\$ 13.50
3HE05789NA	5620 SAM-E/A/P R12 - 7210 SAS-M 24F2XFP	\$ 1,300.00	\$ 780.00
3HE05789NB	5620 SAM-E/A/P R12 UP 7210 SAS-M 24F2XFP	\$ 650.00	\$ 390.00
3HE05789PA	5620 SAM-E/A/P R13 - 7210 SAS-M 24F2XFP	\$ 1,300.00	\$ 780.00
3HE05789PB	5620 SAM-E/A/P R13 UP 7210 SAS-M 24F2XFP	\$ 650.00	\$ 390.00
3HE05790NA	5620 SAM-E/A/P R12 - 7210 SAS-X 24F2XFP	\$ 2,280.00	\$ 1,368.00
3HE05790NB	5620 SAM-E/A/P R12 UP 7210 SAS-X 24F2XFP	\$ 1,140.00	\$ 684.00
3HE05790PA	5620 SAM-E/A/P R13 - 7210 SAS-X 24F2XFP	\$ 2,280.00	\$ 1,368.00
3HE05790PB	5620 SAM-E/A/P R13 UP 7210 SAS-X 24F2XFP	\$ 1,140.00	\$ 684.00
3HE05791NA	5620 SAM-E/A/P R12 7210 SAS MDA Module	\$ 350.00	\$ 210.00
3HE05791NB	5620 SAM-E/A/P R12 UPG 7210 SAS MDA MOD	\$ 175.00	\$ 105.00
3HE05791PA	5620 SAM-E/A/P R13 7210 SAS MDA MODULE	\$ 350.00	\$ 210.00
3HE05791PB	5620 SAM-E/A/P R13 UPG 7210 SAS MDA MOD	\$ 175.00	\$ 105.00
3HE05792NA	5620 SAM-E R12 LIC - 7210 SAS-M 24F2XFP	\$ 650.00	\$ 390.00
3HE05792NB	5620 SAM-E R12 UP LIC 7210 SAS-M 24F2XFP	\$ 325.00	\$ 195.00
3HE05792PA	5620 SAM-E R13 LIC - 7210 SAS-M 24F2XFP	\$ 650.00	\$ 390.00
3HE05792PB	5620 SAM-E R13 UP LIC 7210 SAS-M 24F2XFP	\$ 325.00	\$ 195.00
3HE05793NA	5620 SAM-E R12 LIC - 7210 SAS-X 24F2XFP	\$ 1,140.00	\$ 684.00

Part No	Description	Unit GLP	Unit Sell Price
3HE05793NB	5620 SAM-E R12 UPG - 7210 SAS-X 24F2XFP	\$ 570.00	\$ 342.00
3HE05793PA	5620 SAM-E R13 LIC - 7210 SAS-X 24F2XFP	\$ 1,140.00	\$ 684.00
3HE05793PB	5620 SAM-E R13 UPG - 7210 SAS-X 24F2XFP	\$ 570.00	\$ 342.00
3HE05794NA	5620 SAM-E R12 7210 SAS MDA MODULE	\$ 175.00	\$ 105.00
3HE05794NB	5620 SAM-E R12 UPG LIC 7210 SAS MDA MOD	\$ 87.50	\$ 52.50
3HE05794PA	5620 SAM-E R13 7210 SAS MDA MODULE	\$ 175.00	\$ 105.00
3HE05794PB	5620 SAM-E R13 UPG LIC 7210 SAS MDA MOD	\$ 87.50	\$ 52.50
3HE06184NA	5620 SAM-E/A/P R12 LIC WLS MACRO CELL	\$ 645.00	\$ 387.00
3HE06184NB	5620 SAM-EAP R12 UPG. LIC WLS MACRO CELL	\$ 322.50	\$ 193.50
3HE06184PA	5620 SAM-E/A/P R13 LIC WLS MACRO CELL	\$ 285.00	\$ 153.29
3HE06184PB	5620 SAM-EAP R13 UPG. LIC WLS MACRO CELL	\$ 142.50	\$ 76.65
3HE06452NA	5620 SAM-E/A/P R12 LIC 1830 OT =<10Gbps	\$ 1,620.00	\$ 972.00
3HE06452NB	5620 SAM-E/A/P R12 UPG 1830 OT =<10Gbps	\$ 810.00	\$ 486.00
3HE06452PA	5620 SAM-E/A/P R13 LIC 1830 OT =<10Gbps	\$ 1,620.00	\$ 972.00
3HE06452PB	5620 SAM-E/A/P R13 UPG 1830 OT =<10Gbps	\$ 810.00	\$ 486.00
3HE06453NA	5620 SAM-E/A/P R12 LIC 1830 OT 40 Gbps	\$ 6,480.00	\$ 3,888.00
3HE06453NB	5620 SAM-E/A/P R12 UPG 1830 OT 40 Gbps	\$ 3,240.00	\$ 1,944.00
3HE06453PA	5620 SAM-E/A/P R13 LIC 1830 OT 40 Gbps	\$ 6,480.00	\$ 3,888.00
3HE06453PB	5620 SAM-E/A/P R13 UPG 1830 OT 40 Gbps	\$ 3,240.00	\$ 1,944.00
3HE06454NA	5620 SAM-E/A/P R12 LIC 1830 OT 100Gbps	\$ 16,200.00	\$ 9,720.00
3HE06454NB	5620 SAM-E/A/P R12 UPG 1830 OT 100Gbps	\$ 8,100.00	\$ 4,860.00
3HE06454PA	5620 SAM-E/A/P R13 LIC 1830 OT 100Gbps	\$ 16,200.00	\$ 9,720.00
3HE06454PB	5620 SAM-E/A/P R13 UPG 1830 OT 100Gbps	\$ 8,100.00	\$ 4,860.00
3HE06455NA	5620 SAM-E/A/P R12 1830 WSS 44 CHANNELS	\$ 2,700.00	\$ 1,620.00
3HE06455NB	5620 SAM-E/A/P R12 UPG 1830 WSS 44 CHAN	\$ 1,350.00	\$ 810.00
3HE06455PA	5620 SAM-E/A/P R13 1830 WSS 44 CHANNELS	\$ 2,700.00	\$ 1,620.00
3HE06455PB	5620 SAM-E/A/P R13 UPG 1830 WSS 44 CHAN	\$ 1,350.00	\$ 810.00
3HE06456NA	5620 SAM-E/A/P R12 1830 WSS 88 CHANNELS	\$ 2,700.00	\$ 1,620.00
3HE06456NB	5620 SAM-E/A/P R12 UPG 1830 WSS 88 CHAN	\$ 1,350.00	\$ 810.00
3HE06456PA	5620 SAM-E/A/P R13 1830 WSS 88 CHANNELS	\$ 2,700.00	\$ 1,620.00
3HE06456PB	5620 SAM-E/A/P R13 UPG 1830 WSS 88 CHAN	\$ 1,350.00	\$ 810.00
3HE06457NA	5620 SAM-E/A/P R12 1830 LIC OPTICAL AMP	\$ 810.00	\$ 486.00
3HE06457NB	5620 SAM-E/A/P R12 UPG 1830 LIC OPT AMP	\$ 405.00	\$ 243.00
3HE06457PA	5620 SAM-E/A/P R13 1830 LIC OPTICAL AMP	\$ 810.00	\$ 486.00
3HE06457PB	5620 SAM-E/A/P R13 UPG 1830 LIC OPT AMP	\$ 405.00	\$ 243.00
3HE06458NA	5620 SAM-E/A/P R12 LIC 1830 OTHER CARD	\$ 450.00	\$ 270.00
3HE06458NB	5620 SAM-E/A/P R12 UPG 1830 OTHER CARD	\$ 225.00	\$ 135.00
3HE06458PA	5620 SAM-E/A/P R13 LIC 1830 OTHER CARD	\$ 450.00	\$ 270.00
3HE06458PB	5620 SAM-E/A/P R13 UPG 1830 OTHER CARD	\$ 225.00	\$ 135.00
3HE06538NA	5620 SAM-E/A/P R12 LIC. -1830 PSS-1	\$ 1,200.00	\$ 720.00
3HE06538NB	5620 SAM-E/A/P R12 UPG LIC 1830 PSS-1	\$ 600.00	\$ 360.00
3HE06538PA	5620 SAM-E/A/P R13 LIC. -1830 PSS-1	\$ 1,200.00	\$ 720.00
3HE06538PB	5620 SAM-E/A/P R13 UPG LIC 1830 PSS-1	\$ 600.00	\$ 360.00
3HE06548NA	5620 SAM-E/A/P R12 7210 SAS -D	\$ 175.00	\$ 105.00
3HE06548NB	5620 SAM-E/A/P R12 UPG 7210 SAS -D	\$ 87.50	\$ 52.50
3HE06548PA	5620 SAM-E/A/P R13 7210 SAS -D	\$ 175.00	\$ 105.00
3HE06548PB	5620 SAM-E/A/P R13 UPG 7210 SAS -D	\$ 87.50	\$ 52.50
3HE06549NA	5620 SAM-E R12 7210 SAS-D	\$ 87.50	\$ 52.50
3HE06549NB	5620 SAM-E R12 UPG 7210 SAS -D	\$ 43.75	\$ 26.25
3HE06549PA	5620 SAM-E R13 7210 SAS-D	\$ 87.50	\$ 52.50
3HE06549PB	5620 SAM-E R13 UPG 7210 SAS -D	\$ 43.75	\$ 26.25
3HE06550NA	5620 SAM-E/A/P R12 LICENSE -7705 SAR-18	\$ 3,600.00	\$ 2,160.00
3HE06550NB	5620 SAM-E/A/P R12 UPG. LIC 7705 SAR-18	\$ 1,800.00	\$ 1,080.00
3HE06550PA	5620 SAM-E/A/P R13 LICENSE -7705 SAR-18	\$ 3,600.00	\$ 2,160.00
3HE06550PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-18	\$ 1,800.00	\$ 1,080.00
3HE06551NA	5620 SAM-EAP R12 ADDL 7705 SAR-8/18 XMDA	\$ 2,250.00	\$ 1,350.00
3HE06551NB	5620 SAM-EAP R12 UPG 7705 SAR8/18 XMDA	\$ 1,125.00	\$ 675.00
3HE06551PA	5620 SAM-EAP R13 ADDL 7705 SAR-8/18 XMDA	\$ 2,250.00	\$ 1,350.00
3HE06551PB	5620 SAM-EAP R13 UPG 7705 SAR8/18 XMDA	\$ 1,125.00	\$ 675.00
3HE06552NA	5620 SAM-E R12 LICENSE -7705 SAR-18	\$ 1,200.00	\$ 720.00
3HE06552NB	5620 SAM-E R12 UPG. LIC 7705 SAR-18	\$ 600.00	\$ 360.00
3HE06552PA	5620 SAM-E R13 LICENSE -7705 SAR-18	\$ 1,200.00	\$ 720.00
3HE06552PB	5620 SAM-E R13 UPG. LIC 7705 SAR-18	\$ 600.00	\$ 360.00
3HE06553NA	5620 SAM-E R12 ADD'L 7705 SAR-8/18 XMDA	\$ 750.00	\$ 450.00
3HE06553NB	5620 SAM-E R12 UPG 7705 SAR8/18 XMDA	\$ 375.00	\$ 225.00

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Part No	Description	Unit GLP	Unit Sell Price
3HE06553PA	5620 SAM-E R13 ADD'L 7705 SAR-8/18 XMDA	\$ 750.00	\$ 450.00
3HE06553PB	5620 SAM-E R13 UPG 7705 SAR8/18 XMDA	\$ 375.00	\$ 225.00
3HE06809NA	5620 SAM-E/A/P R12 EAST/WEST NE	\$ 400.00	\$ 240.00
3HE06809NB	5620 SAM-E/A/P R12 UPG EAST/WEST NE	\$ 200.00	\$ 120.00
3HE06809PA	5620 SAM-E/A/P R13 EAST/WEST NE	\$ 400.00	\$ 240.00
3HE06809PB	5620 SAM-E/A/P R13 UPG EAST/WEST NE	\$ 200.00	\$ 120.00
3HE06810NA	5620 SAM-EAP R12 EAST/WEST NE BUNDLE 100	\$ 20,000.00	\$ 12,000.00
3HE06810NB	5620 SAM-EAP R12 UPG EAST/WEST NE Bundle	\$ 10,000.00	\$ 6,000.00
3HE06810PA	5620 SAM-EAP R13 EAST/WEST NE BUNDLE 100	\$ 20,000.00	\$ 12,000.00
3HE06810PB	5620 SAM-EAP R13 UPG EAST/WEST NE BUNDLE	\$ 10,000.00	\$ 6,000.00
3HE06811NA	5620 SAM-E/A/P R12 LIC. 1830 RAMAN PUMP	\$ 2,700.00	\$ 1,620.00
3HE06811NB	5620 SAM-E/A/P R12 UPG LIC. 1830 RAMAN	\$ 1,350.00	\$ 810.00
3HE06811PA	5620 SAM-E/A/P R13 LIC. 1830 RAMAN PUMP	\$ 2,700.00	\$ 1,620.00
3HE06811PB	5620 SAM-E/A/P R13 UPG LIC. 1830 RAMAN	\$ 1,350.00	\$ 810.00
3HE06889NA	5620 SAM-E/A/P R12 LIC 7705 SAR-M ASAP	\$ 1,500.00	\$ 900.00
3HE06889NB	5620 SAM-EAP R12 UPG LIC 7705 SAR-M ASAP	\$ 750.00	\$ 450.00
3HE06889PA	5620 SAM-E/A/P R13 LIC 7705 SAR-M ASAP	\$ 1,500.00	\$ 900.00
3HE06889PB	5620 SAM-EAP R13 UPG LIC 7705 SAR-M ASAP	\$ 750.00	\$ 450.00
3HE06890NA	5620 SAM-E R12 LIC 7705 SAR-M ASAP	\$ 500.00	\$ 300.00
3HE06890NB	5620 SAM-E R12 UPG LIC 7705 SAR-M ASAP	\$ 250.00	\$ 150.00
3HE06890PA	5620 SAM-E R13 LIC 7705 SAR-M ASAP	\$ 500.00	\$ 300.00
3HE06890PB	5620 SAM-E R13 UPG LIC 7705 SAR-M ASAP	\$ 250.00	\$ 150.00
3HE06891NA	5620 SAM-E/A/P R12 LIC 7705 SAR-M	\$ 1,150.00	\$ 690.00
3HE06891NB	5620 SAM-E/A/P R12 UPG LIC 7705 SAR-M	\$ 575.00	\$ 345.00
3HE06891PA	5620 SAM-E/A/P R13 LIC 7705 SAR-M	\$ 1,150.00	\$ 690.00
3HE06891PB	5620 SAM-E/A/P R13 UPG LIC 7705 SAR-M	\$ 575.00	\$ 345.00
3HE06892NA	5620 SAM-E R12 LICENSE 7705 SAR-M	\$ 383.00	\$ 229.80
3HE06892NB	5620 SAM-E R12 UPG LICENSE 7705 SAR-M	\$ 191.50	\$ 114.90
3HE06892PA	5620 SAM-E R13 LICENSE 7705 SAR-M	\$ 383.00	\$ 229.80
3HE06892PB	5620 SAM-E R13 UPG LICENSE 7705 SAR-M	\$ 191.50	\$ 114.90
3HE06904NA	5620 SAM-EAP R12 LIC. OS6900-40 CHASSIS	\$ 1,800.00	\$ 1,080.00
3HE06904NB	5620 SAM-EAP R12 UPG.- OS6900-40 CHASSIS	\$ 900.00	\$ 540.00
3HE06904PA	5620 SAM-EAP R13 LIC. OS6900-40 CHASSIS	\$ 1,800.00	\$ 1,080.00
3HE06904PB	5620 SAM-EAP R13 UPG.- OS6900-40 CHASSIS	\$ 900.00	\$ 540.00
3HE06905NA	5620 SAM-E/A/P R12 LIC. - OS10K-GNI CARD	\$ 1,600.00	\$ 960.00
3HE06905NB	5620 SAM-EAP R12 UPG LIC- OS10K-GNI CARD	\$ 800.00	\$ 480.00
3HE06905PA	5620 SAM-E/A/P R13 LIC. - OS10K-GNI CARD	\$ 1,600.00	\$ 960.00
3HE06905PB	5620 SAM-EAP R13 UPG LIC- OS10K-GNI CARD	\$ 800.00	\$ 480.00
3HE06906NA	5620 SAM-E/A/P R12 LIC. - OS10K-XNI CARD	\$ 3,600.00	\$ 2,160.00
3HE06906NB	5620 SAM-EAP R12 UPG LIC- OS10K-XNI CARD	\$ 1,800.00	\$ 1,080.00
3HE06906PA	5620 SAM-E/A/P R13 LIC. - OS10K-XNI CARD	\$ 3,600.00	\$ 2,160.00
3HE06906PB	5620 SAM-EAP R13 UPG LIC- OS10K-XNI CARD	\$ 1,800.00	\$ 1,080.00
3HE06907NA	5620 SAM-E R12 LIC. OS6900-20 CHASSIS	\$ 500.00	\$ 300.00
3HE06907NB	5620 SAM-E R12 UPG LIC-OS6900-20 CHASSIS	\$ 250.00	\$ 150.00
3HE06907PA	5620 SAM-E R13 LIC. OS6900-20 CHASSIS	\$ 500.00	\$ 300.00
3HE06907PB	5620 SAM-E R13 UPG LIC-OS6900-20 CHASSIS	\$ 250.00	\$ 150.00
3HE06908NA	5620 SAM-E R12 LIC. OS6900-40 CHASSIS	\$ 900.00	\$ 540.00
3HE06908NB	5620 SAM-E R12 UPG LIC-OS6900-40 CHASSIS	\$ 450.00	\$ 270.00
3HE06908PA	5620 SAM-E R13 LIC. OS6900-40 CHASSIS	\$ 900.00	\$ 540.00
3HE06908PB	5620 SAM-E R13 UPG LIC-OS6900-40 CHASSIS	\$ 450.00	\$ 270.00
3HE06909NA	5620 SAM-E R12 LIC. - OS10K-GNI CARD	\$ 800.00	\$ 480.00
3HE06909NB	5620 SAM-E R12 UPG. LIC.- OS10K-GNI CARD	\$ 400.00	\$ 240.00
3HE06909PA	5620 SAM-E R13 LIC. - OS10K-GNI CARD	\$ 800.00	\$ 480.00
3HE06909PB	5620 SAM-E R13 UPG. LIC.- OS10K-GNI CARD	\$ 400.00	\$ 240.00
3HE06910NA	5620 SAM-E R12 LIC. - OS10K XNI CARD	\$ 1,600.00	\$ 960.00
3HE06910NB	5620 SAM-E R12 UPG. LIC.- OS10K XNI CARD	\$ 800.00	\$ 480.00
3HE06910PA	5620 SAM-E R13 LIC. - OS10K XNI CARD	\$ 1,600.00	\$ 960.00
3HE06910PB	5620 SAM-E R13 UPG. LIC.- OS10K XNI CARD	\$ 800.00	\$ 480.00
3HE06918NA	5620 SAM-EAP R12 LIC. OS6900-20 CHASSIS	\$ 1,000.00	\$ 600.00
3HE06918NB	5620 SAM-EAP R12 UPG. -OS6900-20 CHASSIS	\$ 500.00	\$ 300.00
3HE06918PA	5620 SAM-EAP R13 LIC. OS6900-20 CHASSIS	\$ 1,000.00	\$ 600.00
3HE06918PB	5620 SAM-EAP R13 UPG. -OS6900-20 CHASSIS	\$ 500.00	\$ 300.00
3HE06922GA	5670 RAM 7.0 10K RES SUB ADV REP	#N/A	\$ 12,000.00
3HE06922GB	5670 RAM 7.0 10K UPG RES SUB ADV REP	#N/A	\$ 6,000.00
3HE06922HA	5670 RAM R8.0 10K RES SUB ADV REP	\$ 20,000.00	\$ 12,000.00

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Part No	Description	Unit GLP	Unit Sell Price
3HE06922HB	5670 RAM R8.0 10K UPG RES SUB ADV REP	\$ 10,000.00	\$ 6,000.00
3HE06922JA	5670 RAM R9.0 10K RES SUB ADV REP	\$ 20,000.00	\$ 12,000.00
3HE06922JB	5670 RAM R9.0 10K UPG RES SUB ADV REP	\$ 10,000.00	\$ 6,000.00
3HE07311NA	5620 SAM-EAP R12 1830 WSS CLR 44/88 CHAN	\$ 2,700.00	\$ 1,620.00
3HE07311NB	5620 SAM-EAP R12 UPG 1830 WSS 44/88 CHAN	\$ 1,350.00	\$ 810.00
3HE07311PA	5620 SAM-EAP R13 1830 WSS CLR 44/88 CHAN	\$ 2,700.00	\$ 1,620.00
3HE07311PB	5620 SAM-EAP R13 UPG 1830 WSS 44/88 CHAN	\$ 1,350.00	\$ 810.00
3HE07399NA	5620 SAM-E/A/P R12 LIC- 9500 MPRe	\$ 150.00	\$ 90.00
3HE07399NB	5620 SAM-E/A/P R12 UPG LIC- 9500 MPRe	\$ 75.00	\$ 45.00
3HE07399PA	5620 SAM-E/A/P R13 LIC- 9500 MPRe	\$ 150.00	\$ 90.00
3HE07399PB	5620 SAM-E/A/P R13 UPG LIC- 9500 MPRe	\$ 75.00	\$ 45.00
3HE07400NA	5620 SAM-E R12 LIC- 9500 MPR MSS-8	\$ 475.00	\$ 285.00
3HE07400NB	5620 SAM-E R12 UPG LIC- 9500 MPR MSS-8	\$ 237.50	\$ 142.50
3HE07400PA	5620 SAM-E R13 LIC- 9500 MPR MSS-8	\$ 475.00	\$ 285.00
3HE07400PB	5620 SAM-E R13 UPG LIC- 9500 MPR MSS-8	\$ 237.50	\$ 142.50
3HE07401NA	5620 SAM-E R12 LIC- 9500 MPR MSS-4	\$ 400.00	\$ 240.00
3HE07401NB	5620 SAM-E R12 UPG LIC- 9500 MPR MSS-4	\$ 200.00	\$ 120.00
3HE07401PA	5620 SAM-E R13 LIC- 9500 MPR MSS-4	\$ 400.00	\$ 240.00
3HE07401PB	5620 SAM-E R13 UPG LIC- 9500 MPR MSS-4	\$ 200.00	\$ 120.00
3HE07402NA	5620 SAM-E R12 LIC- 9500 MPRe	\$ 37.50	\$ 22.50
3HE07402NB	5620 SAM-E R12 UPG LIC- 9500 MPRe	\$ 18.75	\$ 11.25
3HE07402PA	5620 SAM-E R13 LIC- 9500 MPRe	\$ 37.50	\$ 22.50
3HE07402PB	5620 SAM-E R13 UPG LIC- 9500 MPRe	\$ 18.75	\$ 11.25
3HE07421NA	5620 SAM-EAP R12 ADDL 7705 PASSIVE MDA	\$ 150.00	\$ 90.00
3HE07421NB	5620 SAM-EAP R12 UPG ADDL 7705 PASS MDA	\$ 75.00	\$ 45.00
3HE07421PA	5620 SAM-EAP R13 ADDL 7705 PASSIVE MDA	\$ 150.00	\$ 90.00
3HE07421PB	5620 SAM-EAP R13 UPG ADDL 7705 PASS MDA	\$ 75.00	\$ 45.00
3HE07422NA	5620 SAM-E R12 ADDL 7705 SAR PASSIVE MDA	\$ 50.00	\$ 30.00
3HE07422NB	5620 SAM-E R12 UPG ADD 7705 SAR PASS MDA	\$ 25.00	\$ 15.00
3HE07422PA	5620 SAM-E R13 ADDL 7705 SAR PASSIVE MDA	\$ 50.00	\$ 30.00
3HE07422PB	5620 SAM-E R13 UPG ADD 7705 SAR PASS MDA	\$ 25.00	\$ 15.00
3HE07423NA	5620 SAM-E/A/P R12 LICENSE - XMA	\$ 6,750.00	\$ 4,050.00
3HE07423NB	5620 SAM-E/A/P R12 UPG. LICENSE - XMA	\$ 3,375.00	\$ 2,025.00
3HE07423PA	5620 SAM-E/A/P R13 LICENSE - XMA	\$ 6,750.00	\$ 4,050.00
3HE07423PB	5620 SAM-E/A/P R13 UPG. LICENSE - XMA	\$ 3,375.00	\$ 2,025.00
3HE07439NA	5620 SAM-E R12 LICENSE - XMA	\$ 2,250.00	\$ 1,350.00
3HE07439NB	5620 SAM-E R12 UPG. LICENSE - XMA	\$ 1,125.00	\$ 675.00
3HE07439PA	5620 SAM-E R13 LICENSE - XMA	\$ 2,250.00	\$ 1,350.00
3HE07439PB	5620 SAM-E R13 UPG. LICENSE - XMA	\$ 1,125.00	\$ 675.00
3HE07523NA	5620 SAM-EAP R12 LIC. OS6450-10 CHASSIS	\$ 90.00	\$ 54.00
3HE07523NB	5620 SAM-EAP R12 UPG LIC OS6450-10 CHAS.	\$ 45.00	\$ 27.00
3HE07523PA	5620 SAM-EAP R13 LIC. OS6450-10 CHASSIS	\$ 90.00	\$ 54.00
3HE07523PB	5620 SAM-EAP R13 UPG LIC OS6450-10 CHAS.	\$ 45.00	\$ 27.00
3HE07524NA	5620 SAM-E R12 LIC. - OS6450-10 CHASSIS	\$ 65.00	\$ 39.00
3HE07524NB	5620 SAM-E R12 UPG LIC-OS6450-10 CHASSIS	\$ 32.50	\$ 19.50
3HE07524PA	5620 SAM-E R13 LIC. - OS6450-10 CHASSIS	\$ 65.00	\$ 39.00
3HE07524PB	5620 SAM-E R13 UPG LIC-OS6450-10 CHASSIS	\$ 32.50	\$ 19.50
3HE07525NA	5620 SAM-EAP R12 LI OS6450-24/48 CHASSIS	\$ 220.00	\$ 132.00
3HE07525NB	5620 SAM-EAP R12 UPG OS6450-24/48 CHASSI	\$ 110.00	\$ 66.00
3HE07525PA	5620 SAM-EAP R13 LI OS6450-24/48 CHASSIS	\$ 220.00	\$ 132.00
3HE07525PB	5620 SAM-EAP R13 UPG OS6450-24/48 CHASSI	\$ 110.00	\$ 66.00
3HE07526NA	5620 SAM-E R12 LIC- OS6450-24/48 CHASSIS	\$ 165.00	\$ 99.00
3HE07526NB	5620 SAM-E R12 UPG -OS6450-24/48 CHASSIS	\$ 82.50	\$ 49.50
3HE07526PA	5620 SAM-E R13 LIC- OS6450-24/48 CHASSIS	\$ 165.00	\$ 99.00
3HE07526PB	5620 SAM-E R13 UPG -OS6450-24/48 CHASSIS	\$ 82.50	\$ 49.50
3HE07790NA	5620 SAM-E/A/P R12 LIC- 9500 MPR MSS-1	\$ 450.00	\$ 270.00
3HE07790NB	5620 SAM-E/A/P R12UPG LIC 9500 MPR MSS-1	\$ 225.00	\$ 135.00
3HE07790PA	5620 SAM-E/A/P R13 LIC- 9500 MPR MSS-1	\$ 450.00	\$ 270.00
3HE07790PB	5620 SAM-E/A/P R13UPG LIC 9500 MPR MSS-1	\$ 225.00	\$ 135.00
3HE07791NA	5620 SAM-E R12 LIC- 9500 MPR MSS-1	\$ 112.50	\$ 67.50
3HE07791NB	5620 SAM-E R12 UPG LIC- 9500 MPR MSS-1	\$ 56.25	\$ 33.75
3HE07791PA	5620 SAM-E R13 LIC- 9500 MPR MSS-1	\$ 112.50	\$ 67.50
3HE07791PB	5620 SAM-E R13 UPG LIC- 9500 MPR MSS-1	\$ 56.25	\$ 33.75
3HE08128NA	5620 SAM R12 - ADD'L ONE CPU CORE LIC.	\$ 7,500.00	\$ 4,500.00
3HE08128NB	5620 SAM R12- ADD'L ONE CPU CORE LIC UPG	\$ 3,750.00	\$ 2,250.00



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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
3HE08128PA	5620 SAM - ADD'L DB CPU/vCPU LIC.	\$ 7,500.00	\$ 4,500.00
3HE08128PB	5620 SAM R13- ADD'L DB CPU/vCPU UPG LIC	\$ 3,750.00	\$ 2,250.00
3HE08202NA	5620 SAM-E/A/P R12 LIC 7705 SAR-A	\$ 1,150.00	\$ 690.00
3HE08202NB	5620 SAM-E/A/P R12 UPG. LIC 7705 SAR-A	\$ 575.00	\$ 345.00
3HE08202PA	5620 SAM-E/A/P R13 LIC 7705 SAR-A	\$ 1,150.00	\$ 690.00
3HE08202PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-A	\$ 575.00	\$ 345.00
3HE08203NA	5620 SAM-E/A/P R12 LIC 7705 SAR-A wT1/E1	\$ 1,500.00	\$ 900.00
3HE08203NB	5620 SAM-E/A/P R12 UPG 7705 SAR-A wT1/E1	\$ 750.00	\$ 450.00
3HE08203PA	5620 SAM-E/A/P R13 LIC 7705 SAR-A wT1/E1	\$ 1,500.00	\$ 900.00
3HE08203PB	5620 SAM-E/A/P R13 UPG 7705 SAR-A wT1/E1	\$ 750.00	\$ 450.00
3HE08204NA	5620 SAM-E/A/P R12 LIC 7705 SAR-H	\$ 1,650.00	\$ 990.00
3HE08204NB	5620 SAM-E/A/P R12 UPG. LIC 7705 SAR-H	\$ 825.00	\$ 495.00
3HE08204PA	5620 SAM-E/A/P R13 LIC 7705 SAR-H	\$ 1,650.00	\$ 990.00
3HE08204PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-H	\$ 825.00	\$ 495.00
3HE08205NA	5620 SAM-E/A/P R12 LIC 7705 SAR-W	\$ 1,300.00	\$ 780.00
3HE08205NB	5620 SAM-E/A/P R12 UPG. LIC 7705 SAR-W	\$ 650.00	\$ 390.00
3HE08205PA	5620 SAM-E/A/P R13 LIC 7705 SAR-W	\$ 1,300.00	\$ 780.00
3HE08205PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-W	\$ 650.00	\$ 390.00
3HE08206NA	5620 SAM-E R12 LIC 7705 SAR-A	\$ 383.00	\$ 229.80
3HE08206NB	5620 SAM-E R12 UPG. LIC 7705 SAR-A	\$ 191.50	\$ 114.90
3HE08206PA	5620 SAM-E R13 LIC 7705 SAR-A	\$ 383.00	\$ 229.80
3HE08206PB	5620 SAM-E R13 UPG. LIC 7705 SAR-A	\$ 191.50	\$ 114.90
3HE08207NA	5620 SAM-E R12 LIC 7705 SAR-A w T1/E1	\$ 500.00	\$ 300.00
3HE08207NB	5620 SAM-E R12 UPG LIC 7705 SAR-A T1/E1	\$ 250.00	\$ 150.00
3HE08207PA	5620 SAM-E R13 LIC 7705 SAR-A w T1/E1	\$ 500.00	\$ 300.00
3HE08207PB	5620 SAM-E R13 UPG LIC 7705 SAR-A T1/E1	\$ 250.00	\$ 150.00
3HE08208NA	5620 SAM-E R12 LIC 7705 SAR-H	\$ 500.00	\$ 300.00
3HE08208NB	5620 SAM-E R12 UPG. LIC 7705 SAR-H	\$ 250.00	\$ 150.00
3HE08208PA	5620 SAM-E R13 LIC 7705 SAR-H	\$ 500.00	\$ 300.00
3HE08208PB	5620 SAM-E R13 UPG. LIC 7705 SAR-H	\$ 250.00	\$ 150.00
3HE08209NA	5620 SAM-E R12 LIC 7705 SAR-W	\$ 450.00	\$ 270.00
3HE08209NB	5620 SAM-E R12 UPG. LIC 7705 SAR-W	\$ 225.00	\$ 135.00
3HE08209PA	5620 SAM-E R13 LIC 7705 SAR-W	\$ 450.00	\$ 270.00
3HE08209PB	5620 SAM-E R13 UPG. LIC 7705 SAR-W	\$ 225.00	\$ 135.00
3HE08210NA	5620 SAM-E/A/P R12 LIC. - OS10K-QNI CARD	\$ 3,600.00	\$ 2,160.00
3HE08210NB	5620 SAM-EAP R12 UPG LIC- OS10K-QNI CARD	\$ 1,800.00	\$ 1,080.00
3HE08210PA	5620 SAM-E/A/P R13 LIC. - OS10K-QNI CARD	\$ 3,600.00	\$ 2,160.00
3HE08210PB	5620 SAM-EAP R13 UPG LIC- OS10K-QNI CARD	\$ 1,800.00	\$ 1,080.00
3HE08211NA	5620 SAM-E R12 LIC. - OS10K-QNI CARD	\$ 1,600.00	\$ 960.00
3HE08211NB	5620 SAM-E R12 UPG. LIC. -OS10K-QNI CARD	\$ 800.00	\$ 480.00
3HE08211PA	5620 SAM-E R13 LIC. - OS10K-QNI CARD	\$ 1,600.00	\$ 960.00
3HE08211PB	5620 SAM-E R13 UPG. LIC. -OS10K-QNI CARD	\$ 800.00	\$ 480.00
3HE08212NA	5620 SAM-E/A/P R12 LIC. 1830 OT STM1	\$ 270.00	\$ 162.00
3HE08212NB	5620 SAM-E/A/P R12 UPG. LIC 1830 OT STM1	\$ 135.00	\$ 81.00
3HE08212PA	5620 SAM-E/A/P R13 LIC. 1830 OT STM1	\$ 270.00	\$ 162.00
3HE08212PB	5620 SAM-E/A/P R13 UPG. LIC 1830 OT STM1	\$ 135.00	\$ 81.00
3HE08370NA	5620 SAM-E/A/P R12 7210 SAS CWDM SHELF	\$ 150.00	\$ 90.00
3HE08370NB	5620 SAM-EAP R12 UPG 7210 SAS CWDM SHELF	\$ 75.00	\$ 45.00
3HE08370PA	5620 SAM-EAP R13 7210SAS CWDM/DWDM SHELF	\$ 150.00	\$ 90.00
3HE08370PB	5620 SAM-EAP R13 UPG 7210 SAS CWDM/DWDM	\$ 75.00	\$ 45.00
3HE08371NA	5620 SAM-E R12 7210 SAS CWDM SHELF	\$ 75.00	\$ 45.00
3HE08371NB	5620 SAM-E R12 UPG. 7210 SAS CWDM SHELF	\$ 37.50	\$ 22.50
3HE08371PA	5620 SAM-E R13 7210 SAS CWDM/DWDM SHELF	\$ 75.00	\$ 45.00
3HE08371PB	5620 SAM-E R13 UPG. 7210 SAS CWDM/DWDM	\$ 37.50	\$ 22.50
3HE08372NA	5620 SAM-E/A/P R12 7210 SAS-T 12F10T4XFP	\$ 600.00	\$ 360.00
3HE08372NB	5620 SAM-EAP R12 UP 7210SAS-T 12F10T4XFP	\$ 300.00	\$ 180.00
3HE08372PA	5620 SAM-E/A/P R13 7210 SAS-T 12F10T4XFP	\$ 600.00	\$ 360.00
3HE08372PB	5620 SAM-EAP R13 UP 7210SAS-T 12F10T4XFP	\$ 300.00	\$ 180.00
3HE08373NA	5620 SAM-E R12 7210 SAS-T 12F10T4XFP	\$ 300.00	\$ 180.00
3HE08373NB	5620 SAM-E R12 UPG 7210 SAS-T 12F10T4XFP	\$ 150.00	\$ 90.00
3HE08373PA	5620 SAM-E R13 7210 SAS-T 12F10T4XFP	\$ 300.00	\$ 180.00
3HE08373PB	5620 SAM-E R13 UPG 7210 SAS-T 12F10T4XFP	\$ 150.00	\$ 90.00
3HE08398NA	5620 SAM-E/A/P R12 LIC 1830 CLIENT/LINE	\$ 1,080.00	\$ 648.00
3HE08398NB	5620 SAM-EAP R12 UPG LI 1830 CLIENT/LINE	\$ 540.00	\$ 324.00
3HE08398PA	5620 SAM-E/A/P R13 LIC 1830 CLIENT/LINE	\$ 1,080.00	\$ 648.00



Part No	Description	Unit GLP	Unit Sell Price
3HE08398PB	5620 SAM-EAP R13 UPG LI 1830 CLIENT/LINE	\$ 540.00	\$ 324.00
3HE08449NA	5620 SAM-E/A/P R12 LIC 7705 SAR-Hc	\$ 825.00	\$ 495.00
3HE08449PA	5620 SAM-E/A/P R13 LIC 7705 SAR-Hc	\$ 825.00	\$ 495.00
3HE08449PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-Hc	\$ 412.50	\$ 247.50
3HE08450NA	5620 SAM-E R12 LIC 7705 SAR-Hc	\$ 250.00	\$ 150.00
3HE08450PA	5620 SAM-E R13 LIC 7705 SAR-Hc	\$ 250.00	\$ 150.00
3HE08450PB	5620 SAM-E R13 UPG. LIC 7705 SAR-Hc	\$ 125.00	\$ 75.00
3HE08619PA	VSAP R13 (SAM+CPAM NON RED) BASE	\$ 25,000.00	\$ 15,000.00
3HE08620PA	VSAP R13 SAM+CPAM REDUNDANT BASE	\$ 40,000.00	\$ 24,000.00
3HE08621PA	VSAP R13 & 5650 CPAM R8 NV OSS LIC	\$ 15,000.00	\$ 9,000.00
3HE08835PA	VSAP R13 TOPOLOGY - ALU EQUIV NE	\$ 1,500.00	\$ 900.00
3HE08836PA	VSAP R13 TOPOLOGY MGNT - GNE LIC	\$ 750.00	\$ 450.00
3HE08971NA	5620 SAM-E/A/P R12 LIC 7705 SAR-Wx	\$ 1,500.00	\$ 900.00
3HE08971PA	5620 SAM-E/A/P R13 LIC 7705 SAR-Wx	\$ 1,500.00	\$ 900.00
3HE08971PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-Wx	\$ 750.00	\$ 450.00
3HE08972NA	5620 SAM-E R12 LIC 7705 SAR-Wx	\$ 500.00	\$ 300.00
3HE08972PA	5620 SAM-E R13 LIC 7705 SAR-Wx	\$ 500.00	\$ 300.00
3HE08972PB	5620 SAM-E R13 UPG. LIC 7705 SAR-Wx	\$ 250.00	\$ 150.00
3HE08973NA	5620 SAM-E/A/P R12 7210 SAS-R6	\$ 2,002.00	\$ 1,201.20
3HE08973PA	5620 SAM-E/A/P R13 7210 SAS-R6 / R12	\$ 2,002.00	\$ 1,201.20
	NOTE- R12 Chassis will not supported until R13 r7		
3HE08973PB	5620 SAM-EAP R13 UPG LIC 7210 SAS-R6 /12	\$ 1,001.00	\$ 600.60
	NOTE- R12 Chassis will not supported until R13 r7		
3HE08974NA	5620 SAM-E R12 7210 SAS-R6	\$ 667.33	\$ 400.40
3HE08974PA	5620 SAM-E R13 LIC. 7210 SAS-R6 / R12	\$ 667.33	\$ 400.40
	NOTE- R12 Chassis will not supported until R13 r7		
3HE08974PB	5620 SAM-E R13 UPG LIC 7210 SAS-R6 / R12	\$ 333.66	\$ 200.20
	NOTE- R12 Chassis will not supported until R13 r7		
3HE09159PA	VSAP R13 VRS 10G HYPERVISOR PORT	\$ 86.00	\$ 46.43
3HE09160PA	VSAP R13 VRS 40G HYPERVISOR PORT	\$ 175.00	\$ 92.23
3HE09162PA	VSAP R13 dVS 10G L2 PORT	\$ 130.00	\$ 69.33
3HE09163PA	VSAP R13 dVRS 10G L3 PORT	\$ 175.00	\$ 92.23
3HE09283PA	VSAP R13 dVS 40G L2 PORT	\$ 515.00	\$ 277.32
3HE09284PA	VSAP R13 dVRS 40G L3 PORT	\$ 700.00	\$ 370.19
3HE09332NA	5620 SAM-EAP R12 LIC WLS METRO/ENT CELL	\$ 81.00	\$ 48.60
3HE09332PA	5620 SAM-EAP R13 LIC WLS METRO/ENT CELL	\$ 70.00	\$ 38.16
3HE09332PB	5620 SAM-EAP R13 UPG WLS METRO/ENT CELL	\$ 35.00	\$ 19.08
3HE09333NA	5620 SAM-E/A/P R12 LIC WLS HOME CELL	\$ 20.00	\$ 12.00
3HE09333PA	5620 SAM-E/A/P R13 LIC WLS HOME CELL	\$ 18.00	\$ 10.18
3HE09333PB	5620 SAM-E/A/P R13 UPG LIC WLS HOME CELL	\$ 9.00	\$ 5.09
3HE09334NA	5620 SAM-E/A/P R12 LIC WLS SC GW	\$ 18,600.00	\$ 11,160.00
3HE09334PA	5620 SAM-E/A/P R13 LIC WLS SC GW	\$ 16,000.00	\$ 8,763.63
3HE09334PB	5620 SAM-E/A/P R13 UPG. LIC WLS SC GW	\$ 8,000.00	\$ 4,381.82
3HE09593NA	5620 SAM-E/A/P R12 7750 SR-a MDA	\$ 3,200.00	\$ 1,920.00
3HE09593PA	5620 SAM-E/A/P R13 7750 SR-a MDA	\$ 3,200.00	\$ 1,920.00
3HE09593PB	5620 SAM-E/A/P R13 UPG LIC 7750 SR-a MDA	\$ 1,600.00	\$ 960.00
3HE09594NA	5620 SAM-E R12 7750 SR-a MDA	\$ 1,066.00	\$ 639.60
3HE09594PA	5620 SAM-E R13 7750 SR-a MDA	\$ 1,066.00	\$ 639.60
3HE09594PB	5620 SAM-E R13 UPG. LIC. 7750 SR-a MDA	\$ 533.00	\$ 319.80
3HE09692NA	5620 SAM-E/A/P R12 7210 SAS-K	\$ 90.00	\$ 54.00
3HE09692PA	5620 SAM-E/A/P R13 7210 SAS-K	\$ 90.00	\$ 54.00
3HE09692PB	5620 SAM-E/A/P R13 UPG. LIC. 7210 SAS-K	\$ 45.00	\$ 27.00
3HE09693NA	5620 SAM-E R12 7210 SAS-K	\$ 30.00	\$ 18.00
3HE09693PA	5620 SAM-E R13 LIC. 7210 SAS-K	\$ 30.00	\$ 18.00
3HE09693PB	5620 SAM-E R13 UPG. LIC 7210 SAS-K	\$ 15.00	\$ 9.00
3HE09955PA	5620 SAM R13 IPDR NBI	\$ 250,000.00	\$ 150,000.00
3HE09955PB	5620 SAM R13 IPDR NBI UPG	\$ 125,000.00	\$ 75,000.00
3HE09955QA	5620 SAM R14 AA ANALYTICS BASE	\$ 145,000.00	\$ 86,504.16
3HE09955QB	5620 SAM AA ANALYTICS BASE UPG R14	\$ 72,500.00	\$ 43,252.08
3HE09956PA	5620 SAM R13 REDUNDANT IPDR NBI	\$ 125,000.00	\$ 75,000.00
3HE09956PB	5620 SAM R13 REDUNDANT IPDR NBI UPG	\$ 62,500.00	\$ 37,500.00

Part No	Description	Unit GLP	Unit Sell Price
3HE09957PA	5620 SAM R13 10K AA RESIDENTIAL SUB	\$ 11,000.00	\$ 6,600.00
3HE09957PB	5620 SAM R13 10K AA UPG RESIDENTIAL SUB	\$ 5,500.00	\$ 3,300.00
3HE09957QA	5620 SAM R14 10K AA RESIDENTIAL SUBS	\$ 10,000.00	\$ 5,724.54
3HE09957QB	5620 SAM 10K AA RESIDENTIAL SUBS UPG R14	\$ 5,000.00	\$ 2,862.27
3HE09958PA	5670 SAM R13 10K AA MOBILE SUB	\$ 5,000.00	\$ 3,000.00
3HE09958PB	5670 SAM R13 10K AA UPG MOBILE SUB	\$ 2,500.00	\$ 1,500.00
3HE09958QA	5620 SAM R14 10K AA MOBILE SUBS	\$ 10,000.00	\$ 5,724.54
3HE09958QB	5620 SAM 10K AA MOBILE SUBS UPG.TO R14	\$ 5,000.00	\$ 2,862.27
3HE09959PA	5620 SAM R13 500 AA BUSINESS SUB	\$ 20,000.00	\$ 12,000.00
3HE09959PB	5620 SAM R13 500 AA UPG BUSINESS SUB	\$ 10,000.00	\$ 6,000.00
3HE09959QA	5620 SAM R14 500 AA BUSINESS SUBS	\$ 20,000.00	\$ 11,449.08
3HE09959QB	5620 SAM 500 AA BUSINESS SUBS UPG. R14	\$ 10,000.00	\$ 5,724.54
3HE09960PA	5620 SAM R13 PER AA-ISA REP	\$ 2,000.00	\$ 1,200.00
3HE09960PB	5620 SAM R13 PER AA-ISA REP UPG	\$ 1,000.00	\$ 600.00
3HE09961PA	5620 SAM R13 CFLOWD AUXILIARY SERVER	\$ 40,000.00	\$ 24,000.00
3HE09961PB	5620 SAM R13 CFLOWD AUXILIARY SERVER UPG	\$ 20,000.00	\$ 12,000.00
3HE10033PA	5620 SAM-E/A/P R13 LIC. NGE	\$ 400.00	\$ 240.00
3HE10034PA	5620 SAM-E/A/P R13 LIC 7705 SAR-X	\$ 2,700.00	\$ 1,620.00
3HE10035PA	5620 SAM-E R13 LIC 7705 SAR-X	\$ 900.00	\$ 540.00
3HE10036PA	5620 SAM-EAP R13 -9500 MPR MSS-O CHASSIS	\$ 250.00	\$ 150.00
3HE10037PA	5620 SAM-E R13 - 9500 MPR MSS-O CHASSIS	\$ 62.50	\$ 37.50
3HE10038PA	5620 SAM-E/A/P R13 1830 GMPLS NODE	\$ 33,000.00	\$ 19,800.00
3HE10072PA	VSAP R13 VNS CORE STANDARD / NSG	\$ 140.00	\$ 84.00
3HE10100NA	5620 SAM-EAP R12 EAST/WEST EMS BUNDLE 25	\$ 1,000.00	\$ 600.00
3HE10100PA	5620 SAM-EAP R13 EAST/WEST EMS BUNDLE 25	\$ 1,000.00	\$ 600.00
3HE10100PB	5620 SAM-EAP R13 UPG EAST/WEST BUNDLE 25	\$ 500.00	\$ 300.00
3HE10245NA	5620 SAM-E/A/P R12 LIC WLS LMG NODE	\$ 116,552.70	\$ 62,969.94
3HE10245PA	5620 SAM-E/A/P R13 LIC WLS LMG NODE	\$ 105,000.00	\$ 58,124.43
3HE10245PB	5620 SAM-E/A/P R13 UPG. LIC WLS LMG NODE	\$ 52,500.00	\$ 29,062.22
3HE10250AA	5620 SAM-E/A/P R13 VMG DISTRIBUTED VNF	\$ 36,000.00	\$ 21,600.00
3HE10251AA	5620 SAM-E/A/P R13 VMG-SGW 10K SUBS	\$ 3,000.00	\$ 1,800.00
3HE10252AA	5620 SAM-E/A/P R13 VMG-PGW 10K SUBS	\$ 6,000.00	\$ 3,600.00
3HE10253AA	5620 SAM-E/A/P R13 VMG-SGW M2M 10K SUBS	\$ 700.00	\$ 420.00
3HE10254AA	5620 SAM-E/A/P R13 VMG-PGW M2M 10K SUBS	\$ 1,350.00	\$ 810.00
3HE10255AA	5620 SAM-E/A/P R13 VMG-AA ID 10K SUBS	\$ 600.00	\$ 360.00
3HE10256AA	5620 SAM-E/A/P R13 VMG-AA ICAP 10K SUBS	\$ 12,000.00	\$ 7,200.00
3HE10257AA	5620 SAM-E/A/P R13 VMG-AA IBN 10K SUBS	\$ 1,200.00	\$ 720.00
3HE10258AA	5620 SAM-E/A/P R13 VMG-AA URL 10K SUBS	\$ 1,200.00	\$ 720.00
3HE10259AA	5620 SAM-E/A/P R13 VMG-AA FW 10K SUBS	\$ 300.00	\$ 180.00
3HE10260AA	5620 SAM-E/A/P R13 VMG-AA RTP 10K SUBS	\$ 1,200.00	\$ 720.00
3HE10261AA	5620 SAM-E/A/P R13 VMG-EPDG 10K SUBS	\$ 2,400.00	\$ 1,440.00
3HE10262AA	5620 SAM-E/A/P R13 VMM DISTRIBUTED VNF	\$ 36,000.00	\$ 21,600.00
3HE10263AA	5620 SAM-E/A/P R13 VMM-MME 10K SUBS	\$ 4,700.00	\$ 2,820.00
3HE10264AA	5620 SAM-E/A/P R13 VMM-SGSN 10K SUBS	\$ 2,150.00	\$ 1,290.00
3HE10265AA	5620 SAM-E/A/P R13 VMM-MME M2M 10K SUBS	\$ 940.00	\$ 564.00
3HE10266AA	5620 SAM-E/A/P R13 VMM-SGSN M2M 10K SUBS	\$ 430.00	\$ 258.00
3HE10330PA	5620 SAM-E/A/P R13 7210 SAS-MXP	\$ 1,300.00	\$ 780.00
3HE10331PA	5620 SAM-E R13 7210 SAS-MXP	\$ 650.00	\$ 390.00
3HE10463PA	5620 SAM R13 AUXILARY DATABASE 1 TB	\$ 13,000.00	\$ 7,800.00
3HE10463QA	5620 SAM R14 AUXILARY DATABASE 1 TB	\$ 13,000.00	\$ 7,632.72
3HE10463QB	5620 SAM AUXILARY DATABASE 1 TB UPG R14	\$ 6,500.00	\$ 3,816.36
3HE10464PA	5620 SAM-E/A/P R13 - 9500 MPR MSS-1c	\$ 150.00	\$ 90.00
3HE10465PA	5620 SAM-E R13 LIC- 9500 MPR MSS-1c	\$ 37.50	\$ 22.50
3HE10746PA	VSAP R13 40G L3 dVRS-B 3rd PARTY-VTEP PT	\$ 250.00	\$ 138.03
3HE10747PA	VSAP R13 40G L2 dVS-B 3rd PARTY-VTEP PT	\$ 685.00	\$ 369.55
3HE10748PA	VSAP R13 10G L3 dVRS-B 3rd PARTY-VTEP PT	\$ 64.00	\$ 34.35
3HE10749PA	VSAP R13 10G L2 dVS-B 3rd PARTY-VTEP PT	\$ 172.00	\$ 92.23
3HE10820QA	5620 SAM R14 BASE PRODUCT - CLASSIC	\$ 80,000.00	\$ 44,524.20
3HE10820QB	5620 SAM BASE PRODUCT - CLASSIC UPG- R14	\$ 40,000.00	\$ 22,262.10
3HE10821QA	5620 SAM R14 BASE PRODUCT - PREMIUM	\$ 160,000.00	\$ 89,048.40
3HE10821QB	5620 SAM BASE PROD. PREMIUM UPG -R14	\$ 80,000.00	\$ 44,524.20
3HE10821QC	5620 SAM R14 BASE CONV CLASSIC TO PREM.	\$ 80,000.00	\$ 44,524.20
3HE10822QA	5620 SAM R14 EXTENDED NE S/W SUPPORT	\$ 10,000.00	\$ 6,360.60
3HE10823QA	5620 SAM R14 CLASSIC SUITE LICENSE POINT	\$ 110.00	\$ 63.61
3HE10823QB	5620 SAM CLASSIC SUITE LIC POINT UPG R14	\$ 55.00	\$ 31.80

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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
3HE10824QA	5620 SAM R14 PREMIUM SUITE LICENSE POINT	\$ 165.00	\$ 95.41
3HE10824QB	5620 SAM PREMIUM SUITE LIC POINT UPG R14	\$ 82.50	\$ 47.70
3HE10824QC	5620 SAM R14 CLASSIC TO PREMIUM LP CONV.	\$ 55.00	\$ 31.80
3HE10838AA	5620 SAM MULTI-VENDOR DRIVER DEVELOPMENT	\$ 25,000.00	\$ 15,901.50
3HE10838AB	5620 SAM MULTI-VENDOR DRIVER S/W UPGRADE	\$ 12,500.00	\$ 7,950.75
3HE10839AA	5620 SAM MULTI-VENDOR DRIVER 3 YEAR SSP	\$ 35,000.00	\$ 21,467.03
3HE10846QA	5620 SAM R14 OPTICS INTEGRATION MODULE	\$ 175,000.00	\$ 95,409.00
3HE11048QA	5620 SAM R14 CLASSIC WLS LTE LIC POINT	\$ 110.00	\$ 63.61
3HE11048QB	5620 SAM CLASSIC WLS LTE LP UPG R14	\$ 55.00	\$ 31.80
3HE11049QA	5620 SAM R14 CLASSIC WLS SC LIC POINT	\$ 110.00	\$ 63.61
3HE11049QB	5620 SAM CLASSIC WLS SC LP UPG R14	\$ 55.00	\$ 31.80
3HE11050QA	5620 SAM R14 PREMIUM WLS LTE LIC POINT	\$ 165.00	\$ 95.41
3HE11050QB	5620 SAM PREMIUM WLS LTE LP UPG R14	\$ 82.50	\$ 47.70
3HE11050QC	5620 SAM R14 CLASSIC-PREM WLS LTE LP CON	\$ 55.00	\$ 31.80
3HE11051QA	5620 SAM R14 PREMIUM WLS SC LIC POINT	\$ 165.00	\$ 95.41
3HE11051QB	5620 SAM PREMIUM WLS SC LP UPG R14	\$ 82.50	\$ 47.70
3HE11051QC	5620 SAM R14 CLASSIC-PREM WLS SC LP CONV	\$ 55.00	\$ 31.80
<b>5650 Control Plane Assurance Management &amp; 7701 CPAA (CPAM)</b>			
3HE02977HA	5650 CPAM R8.0 BASE PRODUCT	\$ 25,000.00	\$ 15,000.00
3HE02977HB	5650 CPAM R8.0 BASE PRODUCT UPGRADE	\$ 12,500.00	\$ 7,500.00
3HE02977JA	5650 CPAM R9.0 BASE PRODUCT	\$ 25,000.00	\$ 15,000.00
3HE02977JB	5650 CPAM R9.0 BASE PRODUCT UPGRADE	\$ 12,500.00	\$ 7,500.00
3HE02980HA	5650 CPAM-O R8.0 LICENSE - CPAM INSTALL	\$ 20,000.00	\$ 12,000.00
3HE02980HB	5650 CPAM-O R8.0 LICENSE UPGRADE	\$ 10,000.00	\$ 6,000.00
3HE02980JA	5650 CPAM-O R9.0 LICENSE - CPAM INSTALL	\$ 20,000.00	\$ 12,000.00
3HE02980JB	5650 CPAM-O R9.0 LICENSE UPGRADE	\$ 10,000.00	\$ 6,000.00
3HE02982HA	5650 CPAM R8.0 3P P/PE RT LIC (1-100)	\$ 3,000.00	\$ 1,800.00
3HE02982HB	5650 CPAM R8.0 3P P/PE RT LIC (101-300)	\$ 750.00	\$ 450.00
3HE02982HC	5650 CPAM R8.0 3P P/PE RT LIC (301>)	\$ 300.00	\$ 180.00
3HE02982HD	5650 CPAM R8.0 3P P/PE RT UPG LIC(1-100)	\$ 1,500.00	\$ 900.00
3HE02982HE	5650 CPAM R8 3P P/PE RT UPG LIC(101-300)	\$ 375.00	\$ 225.00
3HE02982HF	5650 CPAM R8.0 3P P/PE RT UPG LIC (301>)	\$ 150.00	\$ 90.00
3HE02982JA	5650 CPAM R9.0 3P P/PE RT LIC (1-100)	\$ 3,000.00	\$ 1,800.00
3HE02982JB	5650 CPAM R9.0 3P P/PE RT LIC (101-300)	\$ 750.00	\$ 450.00
3HE02982JC	5650 CPAM R9.0 3P P/PE RT LIC (301>)	\$ 300.00	\$ 180.00
3HE02982JD	5650 CPAM R9.0 3P P/PE RT UPG LIC(1-100)	\$ 1,500.00	\$ 900.00
3HE02982JE	5650 CPAM R9 3P P/PE RT UPG LIC(101-300)	\$ 375.00	\$ 225.00
3HE02982JF	5650 CPAM R9.0 3P P/PE RT UPG LIC (301>)	\$ 150.00	\$ 90.00
3HE02983HA	5650 CPAM R8.0 ALU P/PE RT LIC. (1-100)	\$ 4,250.00	\$ 2,550.00
3HE02983HB	5650 CPAM R8.0 ALU P/PE RT LIC (101-300)	\$ 1,075.00	\$ 645.00
3HE02983HC	5650 CPAM R8.0 ALU P/PE RT LIC. (301 >)	\$ 425.00	\$ 255.00
3HE02983HD	5650 CPAM ALU P/PE RT UPG. LIC R8(1-100)	\$ 2,125.00	\$ 1,275.00
3HE02983HE	5650 ALU P/PE RT UPG LIC R8.0 (101-300)	\$ 537.50	\$ 322.50
3HE02983HF	5650 CPAM ALU P/PE RT UPG LIC R8 (301 >)	\$ 212.50	\$ 127.50
3HE02983JA	5650 CPAM R9.0 ALU P/PE RT LIC. (1-100)	\$ 4,250.00	\$ 2,550.00
3HE02983JB	5650 CPAM R9.0 ALU P/PE RT LIC (101-300)	\$ 1,075.00	\$ 645.00
3HE02983JC	5650 CPAM R9.0 ALU P/PE RT LIC. (301 >)	\$ 425.00	\$ 255.00
3HE02983JD	5650 CPAM ALU P/PE RT UPG. LIC R9(1-100)	\$ 2,125.00	\$ 1,275.00
3HE02983JE	5650 ALU P/PE RT UPG LIC R9.0 (101-300)	\$ 537.50	\$ 322.50
3HE02983JF	5650 CPAM ALU P/PE RT UPG LIC R9 (301 >)	\$ 212.50	\$ 127.50
3HE04125HA	5650 CPAM R8.0 ALU P/PE SM RT LIC(1-100)	\$ 525.00	\$ 315.00
3HE04125HB	5650 CPAM R8 ALU P/PE SM RT LIC(101-300)	\$ 200.00	\$ 120.00
3HE04125HC	5650 CPAM R8.0 ALU P/PE SM RT LIC(301 >)	\$ 125.00	\$ 75.00
3HE04125HD	5650 CPAM R8.0 ALU P/PE SM RT UPG(1-100)	\$ 262.50	\$ 157.50
3HE04125HE	5650 CPAM R8 ALU P/PE SM RT UPG(101-300)	\$ 100.00	\$ 60.00
3HE04125HF	5650 CPAM R8.0 ALU P/PE SM RT UPG(301 >)	\$ 62.50	\$ 37.50
3HE04125JA	5650 CPAM R9.0 ALU P/PE SM RT LIC(1-100)	\$ 525.00	\$ 315.00
3HE04125JB	5650 CPAM R9 ALU P/PE SM RT LIC(101-300)	\$ 200.00	\$ 120.00
3HE04125JC	5650 CPAM R9.0 ALU P/PE SM RT LIC(301 >)	\$ 125.00	\$ 75.00
3HE04125JD	5650 CPAM R9.0 ALU P/PE SM RT UPG(1-100)	\$ 262.50	\$ 157.50
3HE04125JE	5650 CPAM R9 ALU P/PE SM RT UPG(101-300)	\$ 100.00	\$ 60.00
3HE04125JF	5650 CPAM R9.0 ALU P/PE SM RT UPG(301 >)	\$ 62.50	\$ 37.50
3HE04126HA	5650 CPAM R8.0 MULTICAST RT LIC. (1-100)	\$ 950.00	\$ 570.00
3HE04126HB	5650 CPAM R8.0 MULTICAST RT LIC(101-300)	\$ 300.00	\$ 180.00
3HE04126HC	5650 CPAM R8.0 MULTICAST RT LIC. (301 >)	\$ 150.00	\$ 90.00

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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
3HE04126HD	5650 CPAM R8.0 MULTICAST RT UPG (1-100)	\$ 475.00	\$ 285.00
3HE04126HE	5650 CPAM R8.0 MULTICAST RT UPG(101-300)	\$ 150.00	\$ 90.00
3HE04126HF	5650 CPAM R8.0 MULTICAST RT UPG (301 >)	\$ 75.00	\$ 45.00
3HE04126JA	5650 CPAM R9.0 MULTICAST RT LIC. (1-100)	\$ 950.00	\$ 570.00
3HE04126JB	5650 CPAM R9.0 MULTICAST RT LIC(101-300)	\$ 300.00	\$ 180.00
3HE04126JC	5650 CPAM R9.0 MULTICAST RT LIC. (301 >)	\$ 150.00	\$ 90.00
3HE04126JD	5650 CPAM R9.0 MULTICAST RT UPG (1-100)	\$ 475.00	\$ 285.00
3HE04126JE	5650 CPAM R9.0 MULTICAST RT UPG(101-300)	\$ 150.00	\$ 90.00
3HE04126JF	5650 CPAM R9.0 MULTICAST RT UPG (301 >)	\$ 75.00	\$ 45.00
3HE04128HA	5650 CPAM R8.0 RCIA ROUTER LIC. (1-100)	\$ 950.00	\$ 570.00
3HE04128HB	5650 CPAM R8.0 RCIA ROUTER LIC (101-300)	\$ 300.00	\$ 180.00
3HE04128HC	5650 CPAM R8.0 RCIA ROUTER LIC. (301 >)	\$ 150.00	\$ 90.00
3HE04128HD	5650 CPAM R8.0 RCIA ROUTERUPG LI (1-100)	\$ 475.00	\$ 285.00
3HE04128HE	5650 CPAM R8.0 RCIA ROUTER UPG (101-300)	\$ 150.00	\$ 90.00
3HE04128HF	5650 CPAM R8.0 RCIA ROUTER UPG (301 >)	\$ 75.00	\$ 45.00
3HE04128JA	5650 CPAM R9.0 RCIA ROUTER LIC. (1-100)	\$ 950.00	\$ 570.00
3HE04128JB	5650 CPAM R9.0 RCIA ROUTER LIC (101-300)	\$ 300.00	\$ 180.00
3HE04128JC	5650 CPAM R9.0 RCIA ROUTER LIC. (301 >)	\$ 150.00	\$ 90.00
3HE04128JD	5650 CPAM R9.0 RCIA ROUTERUPG LI (1-100)	\$ 475.00	\$ 285.00
3HE04128JE	5650 CPAM R9.0 RCIA ROUTER UPG (101-300)	\$ 150.00	\$ 90.00
3HE04128JF	5650 CPAM R9.0 RCIA ROUTER UPG (301 >)	\$ 75.00	\$ 45.00
3HE08510HA	5650 CPAM R8.0 500 BGP ROUTE PROFILE	\$ 2,500.00	\$ 1,500.00
3HE08510HB	5650 CPAM R8 500 BGP ROUTE PROFILE UPG.	\$ 1,250.00	\$ 750.00
3HE08510JA	5650 CPAM R9.0 500 BGP ROUTE PROFILE	\$ 2,500.00	\$ 1,500.00
3HE08510JB	5650 CPAM R9 500 BGP ROUTE PROFILE UPG.	\$ 1,250.00	\$ 750.00
3HE02948HA	7701 CPAA S/W UPGRADE LICENSE TO R8.0	\$ 4,000.00	\$ 2,400.00
3HE02948HC	7701 CPAA S/W LICENSE R8.0	\$ 8,000.00	\$ 4,800.00
3HE02948JA	7701 CPAA S/W UPGRADE LICENSE TO R9.0	\$ 4,000.00	\$ 2,400.00
3HE02948JC	7701 CPAA S/W LICENSE R9.0	\$ 8,000.00	\$ 4,800.00
3HE06666AA	7701 CPAA REV 2 MEMORY EXPANSION 2G PKG	\$ 1,200.00	\$ 720.00
<b>5670 Reporting and Analysis Manager (RAM)</b>			
3HE04265HA	5670 RAM R8.0 BASE - RESIDENTIAL / MOBILE	\$ 249,981.00	\$ 149,988.60
3HE04265HB	5670 RAM R8.0 BASE UPG RESIDENTIAL/MOBILE	\$ 124,990.00	\$ 74,994.00
3HE04265JA	5670 RAM R9.0 BASE - RESIDENTIAL / MOBILE	\$ 249,981.00	\$ 149,988.60
3HE04265JB	5670 RAM R9.0 BASE UPG RESIDENTIAL/MOBILE	\$ 124,990.00	\$ 74,994.00
3HE04267HA	5670 RAM R8.0 10K RESIDENTIAL SUB	\$ 11,000.00	\$ 6,600.00
3HE04267HB	5670 RAM R8.0 10K UPG. RESIDENTIAL SUBS	\$ 5,500.00	\$ 3,300.00
3HE04267JA	5670 RAM R9.0 10K RESIDENTIAL SUB	\$ 11,000.00	\$ 6,600.00
3HE04267JB	5670 RAM R9.0 10K UPG. RESIDENTIAL SUBS	\$ 5,500.00	\$ 3,300.00
3HE04269HA	5670 RAM R8.0 ADD'L 5 RECIPIENT USERS	\$ 3,600.00	\$ 2,160.00
3HE04269HB	5670 RAM R8.0 ADDL 5 RECIPIENT USERS UPG	\$ 1,800.00	\$ 1,080.00
3HE04269JA	5670 RAM R9.0 ADD'L 5 RECIPIENT USERS	\$ 3,600.00	\$ 2,160.00
3HE04269JB	5670 RAM R9.0 ADDL 5 RECIPIENT USERS UPG	\$ 1,800.00	\$ 1,080.00
3HE04270HA	5670 RAM R8.0 ADD'L WEB ADMINISTRATOR	\$ 10,000.00	\$ 6,000.00
3HE04270HB	5670 RAM R8.0 ADD'L WEB ADMIN. - UPGRADE	\$ 5,000.00	\$ 3,000.00
3HE04270JA	5670 RAM R9.0 ADD'L WEB ADMINISTRATOR	\$ 10,000.00	\$ 6,000.00
3HE04270JB	5670 RAM R9.0 ADD'L WEB ADMIN. - UPGRADE	\$ 5,000.00	\$ 3,000.00
3HE04271HA	5670 RAM R8.0 ADD'L PROFESSIONAL AUTHOR	\$ 4,500.00	\$ 2,700.00
3HE04271HB	5670 RAM R8.0 ADD'L PROF AUTHOR -UPGRADE	\$ 2,250.00	\$ 1,350.00
3HE04271JA	5670 RAM R9.0 ADD'L PROFESSIONAL AUTHOR	\$ 4,500.00	\$ 2,700.00
3HE04271JB	5670 RAM R9.0 ADD'L PROF AUTHOR -UPGRADE	\$ 2,250.00	\$ 1,350.00
3HE04910HA	5670 RAM R8.0 REDUNDANT AGGREGATOR	\$ 99,981.00	\$ 59,988.60
3HE04910HB	5670 RAM R8.0 REDUNDANT AGGREGATOR - UPG	\$ 49,990.00	\$ 29,994.00
3HE04910JA	5670 RAM R9.0 REDUNDANT AGGREGATOR	\$ 99,981.00	\$ 59,988.60
3HE04910JB	5670 RAM R9.0 REDUNDANT AGGREGATOR - UPG	\$ 49,990.00	\$ 29,994.00
3HE04911HA	5670 RAM R8.0 2K BUSINESS SUB RPT'ING	\$ 74,981.00	\$ 44,988.60
3HE04911HB	5670 RAM R8.0 2K UPG BUSINESS SUBS RPT'G	\$ 37,490.00	\$ 22,494.00
3HE04911JA	5670 RAM R9.0 2K BUSINESS SUB RPT'ING	\$ 74,981.00	\$ 44,988.60
3HE04911JB	5670 RAM R9.0 2K UPG BUSINESS SUBS RPT'G	\$ 37,490.00	\$ 22,494.00
3HE05558HA	5670 RAM R8.0 DCP S/W LICENSE	\$ 41,000.00	\$ 24,600.00
3HE05558JA	5670 RAM R9.0 DCP S/W LICENSE	\$ 41,000.00	\$ 24,600.00
3HE05559HA	5670 RAM R8.0 ADDITIONAL DCP ISA LIC.	\$ 2,000.00	\$ 1,200.00
3HE05559HB	5670 RAM R8.0 ADD'L DCP ISA UPG LICENSE	\$ 1,000.00	\$ 600.00
3HE05559JA	5670 RAM R9.0 ADDITIONAL DCP ISA LIC.	\$ 2,000.00	\$ 1,200.00
3HE05559JB	5670 RAM R9.0 ADD'L DCP ISA UPG LICENSE	\$ 1,000.00	\$ 600.00

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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
3HE06515HA	5670 RAM R8.0 PER AA-ISA LICENSE	\$ 10,000.00	\$ 6,000.00
3HE06515HB	5670 RAM R8.0 PER AA-ISA UPG LICENSE	\$ 5,000.00	\$ 3,000.00
3HE06515JA	5670 RAM R9.0 PER AA-ISA LICENSE	\$ 10,000.00	\$ 6,000.00
3HE06515JB	5670 RAM R9.0 PER AA-ISA UPG LICENSE	\$ 5,000.00	\$ 3,000.00
3HE06843HA	5670 RAM R8.0 2K BUSINESS SUB (OSSD)	\$ 74,981.00	\$ 44,988.60
3HE06843HB	5670 RAM R8.0 2K UPG BUSINESS SUB (OSSD)	\$ 37,490.00	\$ 22,494.00
3HE06843JA	5670 RAM R9.0 2K BUSINESS SUB (OSSD)	\$ 74,981.00	\$ 44,988.60
3HE06843JB	5670 RAM R9.0 2K UPG BUSINESS SUB (OSSD)	\$ 37,490.00	\$ 22,494.00
3HE06844HA	5670 RAM R8.0 BASE- AA-VPN / REPORTING	\$ 405,323.00	\$ 243,193.80
3HE06844HB	5670 RAM R8.0 BASE UPG- AA-VPN / RPT'ING	\$ 202,651.00	\$ 121,590.60
3HE06844JA	5670 RAM R9.0 BASE- AA-VPN / REPORTING	\$ 405,323.00	\$ 243,193.80
3HE06844JB	5670 RAM R9.0 BASE UPG- AA-VPN / RPT'ING	\$ 202,651.00	\$ 121,590.60
3HE06845HA	5670 RAM R8.0 BASE PROD- AA - VPN / OSSD	\$ 405,323.00	\$ 243,193.80
3HE06845HB	5670 RAM R8.0 BASE UPG - AA - VPN / OSSD	\$ 202,651.00	\$ 121,590.60
3HE06845JA	5670 RAM R9.0 BASE PROD- AA - VPN / OSSD	\$ 405,323.00	\$ 243,193.80
3HE06845JB	5670 RAM R9.0 BASE UPG - AA - VPN / OSSD	\$ 202,651.00	\$ 121,590.60
3HE07374HA	5670 RAM R8.0 BASE PEERING /REPORTING	\$ 109,981.00	\$ 65,988.60
3HE07374HB	5670 RAM R8.0 BASE UPG PEERING/REPORTING	\$ 54,990.00	\$ 32,994.00
3HE07374JA	5670 RAM R9.0 BASE PEERING /REPORTING	\$ 109,981.00	\$ 65,988.60
3HE07374JB	5670 RAM R9.0 BASE UPG PEERING/REPORTING	\$ 54,990.00	\$ 32,994.00
3HE07375HA	5670 RAM R8.0 10K BLOCK MOBILE SUB	\$ 5,000.00	\$ 3,000.00
3HE07375HB	5670 RAM R8.0 10K UPG BLOCK MOBILE SUB	\$ 2,500.00	\$ 1,500.00
3HE07375JA	5670 RAM R9.0 10K BLOCK MOBILE SUB	\$ 5,000.00	\$ 3,000.00
3HE07375JB	5670 RAM R9.0 10K UPG BLOCK MOBILE SUB	\$ 2,500.00	\$ 1,500.00
3HE07376HA	5670 RAM R8.0 20 BUS SUB (PEERING PT)	\$ 65,798.00	\$ 39,478.80
3HE07376HB	5670 RAM R8.0 20 UPG BUS SUB (PEER PT)	\$ 32,899.00	\$ 19,739.40
3HE07376JA	5670 RAM R9.0 20 BUS SUB (PEERING PT)	\$ 65,798.00	\$ 39,478.80
3HE07376JB	5670 RAM R9.0 20 UPG BUS SUB (PEER PT)	\$ 32,899.00	\$ 19,739.40
3HE08525HA	5670 RAM R8.0 - ADD'L ONE CPU CORE LIC.	\$ 7,500.00	\$ 4,500.00
3HE08525HB	5670 RAM R8.0- ADDL ONE CPU CORE LIC UPG	\$ 3,750.00	\$ 2,250.00
3HE08525JA	5670 RAM R9.0 - ADD'L ONE CPU CORE LIC.	\$ 7,500.00	\$ 4,500.00
3HE08525JB	5670 RAM R9.0- ADDL ONE CPU CORE LIC UPG	\$ 3,750.00	\$ 2,250.00
3HE08694AA	5670 RAM CUSTOM REPORT DEVELOPMENT-1 DAY	\$ 1,049.00	\$ 629.40
<b>Network Services Platform (NSP)</b>			
3HE11799CA	NSP 17: NFM-P STANDARD BASE	\$ 80,000.00	\$ 48,000.00
3HE11800CA	NSP 17: NFM-P PREMIUM BASE	\$ 160,000.00	\$ 96,000.00
3HE11800CC	NSP 17: NFM-P CONVERSION STD TO PREM BASE	\$ 80,000.00	\$ 48,000.00
3HE11801CA	NSP 17: NFM-P STANDARD LP	\$ 110.00	\$ 66.00
3HE11802CA	NSP 17: NFM-P PREMIUM LP	\$ 165.00	\$ 99.00
3HE11802CC	NSP 17: NFM-P LP CONV. STD. TO PREMIUM	\$ 55.00	\$ 33.00
3HE11803CA	NSP 17: NFM-P HIGH AVAILABILITY LP	\$ 20.00	\$ 12.00
3HE11808CA	NSP: NFM-P MULTI-VENDOR DRIVER DEV.	\$ 25,000.00	\$ 15,000.00
3HE11808CB	NSP: NFM-P MULTI-VENDOR DRIVER S/W UPG.	\$ 12,500.00	\$ 7,500.00
3HE11809CA	NSP: NFM-P MULTI-VENDOR DRIVER 3 YR SRS	\$ 35,000.00	\$ 21,000.00
3HE11810CA	NSP 17: NFM-P AA ANALYTICS BASE	\$ 145,000.00	\$ 87,000.00
3HE11811CA	NSP 17: NFM-P AUXILARY DATABASE 1 TB	\$ 13,000.00	\$ 7,800.00
3HE11812CA	NSP 17: NFM-P 10K AA RESIDENTIAL SUBS	\$ 10,000.00	\$ 6,000.00
3HE11813CA	NSP 17: NFM-P 10K AA MOBILE SUBS	\$ 10,000.00	\$ 6,000.00
3HE11814CA	NSP 17: NFM-P 500 AA BUSINESS SUBS	\$ 20,000.00	\$ 12,000.00
3HE11815CA	NSP 17: NFM-P EXTENDED NE S/W SUPPORT	\$ 10,000.00	\$ 6,000.00
1AK14288AAAB	DL380 GEN9 2 CPU 16 CORE	\$ 24,918.73	\$ 13,462.85
3KC73612AAAA	NSP NFM-T 2 CPU EMBEDDED OS ENHANCEMENT	\$ 659.29	\$ 356.19
3HE11269CA	NSP 17: NRC-F STANDARD BASE	\$ 400,000.00	\$ 240,000.00
3HE09989CA	NSP 17: NRC-P STANDARD BASE	\$ 400,000.00	\$ 240,000.00
3HE09985CA	NSP 17: NSD STANDARD BASE	\$ 600,000.00	\$ 360,000.00
3HE12275CA	NSP 17: NSD-NRC STANDARD LP	\$ 110.00	\$ 66.00
3HE12276CA	NSP 17: NSD-NRC HIGH AVAILABILITY LP	\$ 20.00	\$ 12.00
3HE11804CA	NSP 17 WIRELESS STANDARD LTE LP	\$ 110.00	\$ 66.00
3HE11805CA	NSP 17 WIRELESS PREMIUM LTE LP	\$ 165.00	\$ 99.00
3HE11805CC	NSP 17 WIRELESS STD TO PREM LTE LP CONV	\$ 55.00	\$ 33.00

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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
3HE11806CA	NSP 17 WIRELESS STANDARD SC LP	\$ 110.00	\$ 66.00
3HE11807CA	NSP 17 WIRELESS PREMIUM SC LP	\$ 165.00	\$ 99.00
3HE11807CC	NSP 17 WIRELESS STD. TO PREM SC LP CONV	\$ 55.00	\$ 33.00
3HE12097AA	NSP VIRTUAL INSTANCE	\$ 1,000.00	\$ 600.00
<b>Virtualized Services Assurance Platform (VSAP)</b>			
3HE08619QA	VSAP R14 BASE PRODUCT LICENSE	\$ 29,000.00	\$ 17,269.03
3HE08619QB	VSAP BASE PRODUCT LICENSE UPG LIC. - R14	\$ 14,500.00	\$ 8,634.51
3HE08619QC	VSAP R14 BASE CONVERSION LICENSE	\$ 9,900.00	\$ 5,788.15
3HE08619RA	VSAP 17 BASE PRODUCT LICENSE	\$ 29,000.00	\$ 17,400.00
3HE08619RC	VSAP 17 BASE CONVERSION LICENSE	\$ 9,900.00	\$ 5,940.00
3HE08620QA	VSAP R14 REDUNDANT PRODUCT LICENSE	\$ 52,200.00	\$ 28,113.85
3HE08620QB	VSAP REDUNDANT PRODUCT LICENSE UPG - R14	\$ 26,100.00	\$ 14,056.93
3HE08620QC	VSAP R14 REDUNDANT CONVERSION LICENSE	\$ 17,350.00	\$ 9,350.08
3HE11724QA	VSAP R14 NETWORK ELEMENT MGN'T LICENSE	\$ 1,028.00	\$ 572.45
3HE11724QB	VSAP NETWORK ELEMENT MGN'T UPG. - R14	\$ 514.00	\$ 286.23
3HE11724RA	VSAP 17 NETWORK ELEMENT MGN'T LICENSE	\$ 1,028.00	\$ 616.80
3HE11725QA	VSAP VIRTUAL ROUTING & SWITCH LIC (10GE)	\$ 350.00	\$ 190.82
3HE11725QB	VSAP VIRTUAL ROUTING & SWITCH LIC (40GE)	\$ 1,227.00	\$ 661.50
3HE12101RA	VSAP 17 VIRTUAL RT & SWITCHING NSG LIC.	\$ 110.00	\$ 66.00
3HE12102RA	VSAP 17 HIGH AVAILABILITY NE MGN'T LIC.	\$ 190.00	\$ 114.00

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**SERVICES**

Part No	Description	Metric	Unit Price
<b>REMOTE TECHNICAL SUPPORT</b>			<b>Price per Year</b>
301013231	7750 SR SPGWwAggRtr - Remote Technical Support Gold	per unit	\$ 51,971
301013231	7750 SR - Remote Technical Support Gold	per unit	\$ 13,260
301013231	7705 SAR - Remote Technical Support Gold	per unit	\$ 725
301013231	9471 MME - Remote Technical Support Gold	per unit	\$ 33,239
301013231	7210 SAS Remote Technical Support Gold	per unit	\$ 720
301013231	7750 SR SPGWwAggRtr - Remote Technical Support Silver	per unit	\$ 49,373
301013231	7750 SR - Remote Technical Support Silver	per unit	\$ 12,597
301013231	7705 SAR - Remote Technical Support Silver	per unit	\$ 688
301013231	7210 SAS - Remote Technical Support Silver	per unit	\$ 684
301013231	7750 SR SPGWwAggRtr - Remote Technical Support Bronze	per unit	\$ 46,774
301013231	7750 SR - Remote Technical Support Bronze	per unit	\$ 11,967
301013231	7705 SAR - Remote Technical Support Bronze	per unit	\$ 652
301013231	7210 SAS - Remote Technical Support Bronze	per unit	\$ 650
<b>HARDWARE REPAIR &amp; REPLACEMENT (RES-RFR)</b>			<b>Price per Year</b>
301048468	7750 SR SPGWwAggRtr - (RES-RFR)	per unit	\$ 5,788
301048468	7750 SR	per unit	See Note 12 below
301048468	7705 SAR - (RES-RFR)	per unit	\$ 910
301048468	7210 SAS - (RES-AE)	per unit	\$ 720
<b>HARDWARE REPAIR &amp; REPLACEMENT - ADVANCED EXCHANGE (RES-AE)</b>			<b>Price per Year</b>
301048450	7750 SR SPGWwAggRtr - (RES-AE)	per unit	\$ 6,588
301048468	7750 SR	per unit	See Note 12 below
301048450	7705 SAR - (RES-AE)	per unit	\$ 1,001
301048450	7210 SAS - (RES-AE)	per unit	\$ 864
<b>SOFTWARE SUBSCRIPTION PLANS</b>			<b>Price per Year</b>
3HE01807AB	7750 SR SPGWwAggRtr - Software Subscription Plan	per unit	\$ 24,666
301048468	7750 SR	per unit	\$ 2,800
3HE05610AB	7705 SAR - Software Subscription Plan	per unit	\$ 503
3HE00407XZ	5620 SAM - Software Subscription (Annual price beginning in Year 1)	per Unit	\$ 8,087
3HE00407XZ	5620 SAM - Software Subscription - Additional Node license	See Note 3 below	See Note 3 below
<b>INSTALLATION AND IMPLEMENTATION</b>			
3HE01605AA	Program Management - Remote	per hour	\$ 196
3HE01600AA	Site Survey - OnSite	per site	\$ 2,100
3HE01606AA	Engineering - Remote	per hour	\$ 175
3HE01601AA	Installation - OnSite	per hour	\$ 183
3HE07794AA	Integration - OnSite	per hour	\$ 305
301071387	Site Materials	priced per specific site	
<b>RESIDENT ENGINEER</b>			
3HE06254AA	ONSITE SUPPORT ENGINEER NOC	per month	\$ 52,103
3HE09107AA	ONSITE SUPPORT ENGINEER NOC	per year	\$ 355,478
3HE06627AA	ONSITE ARCHTIECTURE ENGINEER	per month	\$ 52,103
3HE09108AA	ONSITE ARCHTIECTURE ENGINEER	per year	\$ 355,478
3HE06628AA	5620 SAM SUPPORT ENGINEER	per month	\$ 52,103
3HE09109AA	5620 SAM SUPPORT ENGINEER	per year	\$ 355,478

# NOKIA

# SERVICES

Part No	Description	Metric	Unit Price
<b>INTEGRATION</b>			
3HE06631AA	NETWORK INTEGRATION 7x50 SR/ESS	per unit	\$ 5,789
3HE06632AA	NETWORK INTEGRATION 7705 SAR	per unit	\$ 1,930
3HE07153AA	ON-SITE NETWORK INTEGRATION 7950 XRS, 7750 SR, 7705 SAR 7210 SAS - 1 WEEK	per week	\$ 16,758
3HE01601AA	Professional Svcs - Remote (Includes Design, Integration, Consultation & IOT)	per hour	\$ 255
3HE07794AA	Professional Svcs - Onsite (Includes Design, Integration, Consultation & IOT)	per hour	\$ 360
<b>OSS (SAM/CPAM)</b>			
3HE06639AA	5620 SAM UPGRADE ( STAGING & REMOTE )	per network	\$ 28,946
3HE04124AA	5620 SAM UPGRADE ( STAGING & ON SITE )	per network	\$ 35,548
3HE02934AA	5620 SAM INSTALLATION - 5 DAYS (REMOTE)	per network	\$ 15,235
3HE09347AA	5620 SAM INSTALLATION - 5 DAYS (ONSITE)	per network	\$ 19,297
3HE04256AA	5620 SAM OPERATIONS CONSULTING	per network	\$ 27,930
3HE09112AA	5620 SAM INSTALLATION & OPERATION FOR STRATEGICS	per network	\$ 32,501

**\* Notes:**

1. RTS, RESRFR, RES-AE and SSP pricing shown above assumes minimum configurations
2. RTS, RES-RFR and RES-AE values are calculated per project based on type, configuration, quantity of nodes and term of agreement. The values shown above are minimum per network fees.
3. 5620 SAM SSP annual rates =  $\$ \sum (\text{base SW} + \text{RTUs/License Points}) \times 40\%$  of purchase price
4. Site Survey is limited to the United States, excluding Hawaii and Canada
5. Site Survey Assumptions: Pricing includes performing a basic site survey, which c/o verification of equipment bay location, peripheral equipment termination assignments, power type and termination assignments, and cable running routes.
6. Ordering codes are subject to change and will be determined when an official quote is provided by Nokia
7. Installation and Implementation Services pricing does not apply to states with prevailing wages statutes. Pricing will be quoted based on individual State adherence to prevailing wage requirements
8. Program Management performed remotely. Any customer-required travel will be billed as incurred.
9. All services are subject to specific definitions, inclusions, exclusions, terms, etc. as defined in a Statement of Work that will accompany each price quote from Nokia to the WSCA Customer.
10. All hourly rates are based on a 40-hour work week and normal business hours.
11. Onsite rates do not include travel and living expenses
12. 7750 SR repair services are configuration dependent.



**NOKIA**



**NOKIA**  
**Microwave Products and Services**  
**Price Catalog - January 2018**

Mobile Networks

**Customer: State of Michigan**

**Notes:**

- 1) Prices valid until 1/31/2023
- 2) Prices shown for "drop ship" only. Does not include Taxes or any other configurations.
- 3) Prices shown are for FOB origin, Freight Prepaid and Charged.

**The 9500 MPR Family**

Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
<b>RACKS - Table K</b>				
694-9000-006	Standard Rack, 7' tall, 19" wide	N	\$ 450.00	\$ 328.50
1AD014120046	14854	N	\$ 1,500.00	\$ 1,095.00
690-1125-003	Rack Extension Kit - 19" rack	N	\$ 230.00	\$ 167.90
3EM13317AB	Power Distribution Panel with Fuse Alarm Card included	N	\$ 455.00	\$ 332.15
3EM13317AC	Power Distribution Panel with Relay Alarm Card included	N	\$ 655.00	\$ 478.15
690-4373-001	Kit AC Outlet	N	\$ 105.00	\$ 76.65
695-1001-006	Aluminum Rack Screw Kit	N	\$ 50.00	\$ 36.50
695-1001-007	Seismic Rack Screw Kit	N	\$ 55.00	\$ 40.15
695-1001-005	Seismic Rack Grounding Kit	N	\$ 150.00	\$ 109.50
694-9004-001	Adjacent Rack Attachment Assy (without rack extensions)	N	\$ 25.00	\$ 18.25
694-9004-002	Adjacent Rack Attachment Assy (with rack extensions)	N	\$ 25.00	\$ 18.25
3EM19148AD	Laptop Shelf Assy	N	\$ 300.00	\$ 219.00
<b>RACKS - Table KI</b>				
695-0905-003	Standard Rack, 7' tall, 23" wide	N	\$ 500.00	\$ 365.00
694-8873-005	Adapters for 23", 2 RU (PDU two required)	N	\$ 30.00	\$ 21.90
<b>CABINETS</b>				
3MU00079AA	9500 MPR Flx16WS 1 MSS	N	\$ 21,000.00	\$ 15,330.00
3MU00079AB	9500 MPR Flx16WS 2 MSS	N	\$ 23,000.00	\$ 16,790.00
3MU00079AC	9500 MPR Flx16WS Empty	N	\$ 17,500.00	\$ 12,775.00
<b>Cabinets - Wall and H-Frame Mounting</b>				
3EM24726AA	Kit, Wall Mount, ATT FTCS	N	\$ 1,619.24	\$ 1,182.05
3MV00159AB	Kit, Wall Mount, FLX16WS, Battery Base	N	\$ 3,320.66	\$ 2,424.08
3MV00159AC	Kit, Wall Mtg, FTCS, 90Deg	N	\$ 4,432.05	\$ 3,235.40
<b>Cabinets - Pole Mounting Kits</b>				
3MV00159AD	Kit, Pole Mnt, FTCS	N	\$ 5,591.92	\$ 4,082.10
3MV00159AE	Kit, Pole Mnt, FTCS, 90Deg	N	\$ 5,953.50	\$ 4,346.06
3MV00159AF	Kit, Banded, Pole Mnt, FTCS	N	\$ 5,075.16	\$ 3,704.87
3MV00159AG	Kit, Mounting, 3-1/2 Pole, FLX12WS	N	\$ 2,188.35	\$ 1,597.50
<b>Cabinets - Pad Mount Kits</b>				
3MV00159AH	Kit, ASSY, Plinth, 4" High, FTCS	N	\$ 2,989.48	\$ 2,182.32
3MV00159AJ	Kit, ASSY, Plinth, 14" High, FTCS	N	\$ 3,242.15	\$ 2,366.77
3MV00159AK	ASSY, Plate, Anchor, FLX, FTCS	N	\$ 2,276.70	\$ 1,661.99
1AD165490001	Kit, 1/2-13 hardware, FTCS, CAB to CAB	N	\$ 166.59	\$ 121.61
<b>Cabinets - MPT-HL Flex 25</b>				
3MU00119AA	9500 MPR FLX25 MPT-HL Cabinet with MSS	N	\$ 54,644.00	\$ 19,671.84
<b>Cabinets - MPT-HL Flex 25 Mounting Option</b>				
3MU00127AA	Flex25 14" Plinth Base	N	\$ 3,879.00	\$ 1,396.44
3MU00128AA	Flex25 Pole Mount Kit	N	\$ 3,884.00	\$ 1,398.24
<b>Cabinets - Eyebolt FRU Kit</b>				
1AD165480001	LIFT BOLTS 1/2 9412	N	\$ 241.80	\$ 176.51
<b>Cabinets - DSL Kits</b>				
1AB405070001	DSL Patch Panel DIM-1C2036	N	\$ 3,300.00	\$ 2,409.00
1AB404960001	DSL Circuit Protection RH33250-000	N	\$ 1,400.00	\$ 1,022.00
<b>MSS SHELF OPTIONS - Table A</b>				
3EM22715AH	9500 MPR Shelf Kit w/FanEvo - HSv2	N	\$ 2,150.00	\$ 774.00
3DB18163AB	MSS Slot Cover - Blank Plate 1/2H	N	\$ 40.60	\$ 14.62
3EM24105AA	Fan Alarm Cable - 25 foot	N	\$ 175.00	\$ 63.00
3EM24105AB	Fan Alarm Cable - 50 foot	N	\$ 250.00	\$ 90.00
3DB05594AA	AUX Cable for Housekeeping	N	\$ 74.00	\$ 26.64
3EM24631AA	AUX Cable for Housekeeping 6'	N	\$ 85.00	\$ 30.60
3EM24631AB	AUX Cable for Housekeeping 50'	N	\$ 215.00	\$ 77.40
<b>MSS SHELF OPTION SPARES - Table A</b>				
3DB18485EA	9500 MSS-8 Shelf HSv3	N	\$ 1,332.00	\$ 479.52
3EM23911BB	MSS Fan Alarm Evo	Y	\$ 400.00	\$ 144.00
3DB18218AD	MSS-4 FAN	Y	\$ 330.00	\$ 118.80
3MU00153AA	MSS Power Supply Cable Kit	N	\$ 121.10	\$ 43.60
3EM24095AB	MPT-HL & HLC Power Cable	N	\$ 216.00	\$ 77.76
3EM24040AA	MPT-HL Air Filter (Spare)	N	\$ 30.00	\$ 10.80
3DB76288AA	MPT-HLC Air Filter Kit (Spare)	N	\$ 175.00	\$ 63.00
3DB80367AA	MPT-HLC Air Filter Assembly (Spare)	Y	\$ 350.00	\$ 126.00
<b>MSS1 - Table A1</b>				
3DB19015BA	MSS1 Spare ONLY	Y	\$ 3,200.00	\$ 1,152.00
3DB19015CA	MSS1 (1588 BC+ QMA Power) Spare ONLY	Y	\$ 3,200.00	\$ 1,152.00

**The 9500 MPR Family**

Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
3MU00109AB	MSS1 Kit	Y	\$ 3,250.00	\$ 1,170.00
1AC007800068	cable to power MSS-1c (2 conductors, 1mm sq) GLP is per foot	N	\$ 0.77	\$ 0.56
<b>MSS-O - Table A1</b>				
3DB19159AA	MSS-O AC Kit, include Pole/Wall Mounting	Y	\$ 3,375.00	\$ 1,215.00
3DB19281AA	MSS-O DC Kit, include Pole/Wall Mounting	Y	\$ 3,375.00	\$ 1,215.00
3DB19158AA	Pole/wall IM for MSS-O, Spare ONLY	N	\$ 275.00	\$ 99.00
1AB150990012	RFE protection connector MSS-O	Y	\$ 40.00	\$ 14.40
1AB150990013	fiber extension tube for MSS-O	N	\$ 187.00	\$ 67.32
1AC052600002	Outdoor AC Power Cable (meter)	N	\$ 7.25	\$ 2.61
1AC057660001	Outdoor DC Power Cable (meter)	N	\$ 12.00	\$ 4.32
3CC50271AA	Triple Grounding Kit	N	\$ 324.00	\$ 116.64
3CC52210AA	MM Fiber, LC/LC for MSS-O, 5m	N	\$ 135.00	\$ 48.60
3CC52210AB	MM Fiber, LC/LC for MSS-O, 10m	N	\$ 157.00	\$ 56.52
3CC52210AC	MM Fiber, LC/LC for MSS-O, 25m	N	\$ 245.00	\$ 88.20
<b>MSS-SHELF OPTIONS - Table A</b>				
3DB18326AC	Core Enhanced Module w 6 GbE ports (CORE-E) - TH/Clei	Y	\$ 2,807.00	\$ 1,010.52
3DB18788BA	CorEvo-10G	Y	\$ 3,010.00	\$ 1,565.20
3DB18126AE	32xT1 TDM Module - TH/Clei	Y	\$ 2,030.00	\$ 730.80
3DB18194AC	2xDS3 TDM Module	Y	\$ 2,075.00	\$ 747.00
3DB18634AB	MPT-Access with PoE	Y	\$ 1,754.00	\$ 631.44
3DB18236AB	AUX Housekeeping	Y	\$ 950.00	\$ 342.00
3DB18735AA	2xOC3 Module	Y	\$ 1,879.00	\$ 676.44
3DB19017AB	Ethernet Access Module Version2 with PoE	Y	\$ 2,400.00	\$ 864.00
3DB78017AA	Sync In/Out SFP for MSS-1/CorEvo-10G	Y	\$ 1,200.00	\$ 432.00
3DB78022AA	1588 ToD SFP	Y	\$ 1,000.00	\$ 360.00
3DB19414AA	MSS-8 Anti Tamper Kit	Y	\$ 350.00	\$ 126.00
<b>Optical Coupler for CoreE Protection</b>				
3EM09257AA	Fiber Management Panel	N	\$ 150.00	\$ 109.50
1AB432200001	Splitter/Combiner unit for 2x4 Management Panel (LC)	N	\$ 1,200.00	\$ 876.00
1AB123320023	Splitter/Combiner unit for 2x4 Management Panel (SC)	N	\$ 1,000.00	\$ 730.00
<b>DC Power Injector for MPT-HC</b>				
3CC50129AA	DC injector Box	Y	\$ 250.00	\$ 90.00
3CC50120AA	DC injector plug-in	Y	\$ 250.00	\$ 90.00
3CC50173AA	MPT Power Unit	Y	\$ 877.50	\$ 315.90
3CC50174AA	MPT Extended Power Unit	Y	\$ 1,252.25	\$ 450.81
<b>DC:DC Power Converter - MSS Version</b>				
3DB18862AA	+24 /-48 Vdc Two converters with chassis (Requires 1 MSS Slot)	N	\$ 2,790.00	\$ 1,004.40
3DB18863AA	+24 /-48 Vdc Single converter with chassis (Requires 1 MSS Slot)	N	\$ 1,371.00	\$ 493.56
<b>MPT-HL Shelf Kit - Table F</b>				
3EM24238AA	MPT-HL Shelf Kit Single T-R	N	\$ 1,730.00	\$ 622.80
3EM24238AB	MPT-HL Shelf Kit Dual T-R	N	\$ 1,790.00	\$ 644.40
<b>MPT-HLC MODULES - Table F1</b>				
3DB19060AA	MPT-HLC XCVR L6 GHZ	Y	\$ 12,000.00	\$ 4,320.00
3DB19060BA	MPT-HLC XCVR L6 GHZ WITH COMBINER	Y	\$ 15,000.00	\$ 5,400.00
3DB19060CA	MPT-HLC XCVR L6 GHZ HP	Y	\$ 16,500.00	\$ 5,940.00
3DB19060DA	MPT-HLC XCVR L6 GHZ HP WITH COMBINER	Y	\$ 19,500.00	\$ 7,020.00
3DB19060EA	MPT-HLC Plus XCVR L6	Y	\$ 21,000.00	\$ 7,560.00
3DB19060FA	MPT-HLC Plus XCVR L6 WITH COMBINER	Y	\$ 24,000.00	\$ 8,640.00
3DB76047AA	MPT-HLC XCVR U6 GHZ	Y	\$ 12,000.00	\$ 4,320.00
3DB76047BA	MPT-HLC XCVR U6 GHZ WITH COMBINER	Y	\$ 13,000.00	\$ 5,400.00
3DB76047CA	MPT-HLC XCVR U6 GHZ HP	Y	\$ 16,500.00	\$ 5,940.00
3DB76047DA	MPT-HLC XCVR U6 GHZ HP WITH COMBINER	Y	\$ 19,500.00	\$ 7,020.00
3DB76047EA	MPT-HLC Plus XCVR U6	Y	\$ 21,000.00	\$ 7,560.00
3DB76047FA	MPT-HLC Plus XCVR U6 WITH COMBINER	Y	\$ 24,000.00	\$ 8,640.00
3DB76078AA	MPT-HLC XCVR 10.5 GHZ	Y	\$ 13,000.00	\$ 4,680.00
3DB76078BA	MPT-HLC XCVR 10.5 GHZ WITH COMBINER	Y	\$ 16,000.00	\$ 5,760.00
3DB76050AA	MPT-HLC XCVR 11 GHZ	Y	\$ 13,000.00	\$ 4,680.00
3DB76050BA	MPT-HLC XCVR 11 GHZ WITH COMBINER	Y	\$ 16,000.00	\$ 5,760.00
3DB76050CA	MPT-HLC XCVR 11 GHZ HP TX LOW	Y	\$ 17,500.00	\$ 6,300.00
3DB76050DA	MPT-HLC XCVR 11 GHZ HP W/COMBINER TX LO	Y	\$ 20,500.00	\$ 7,380.00
3DB76050EA	MPT-HLC XCVR 11 GHZ HP TX HIGH	Y	\$ 17,500.00	\$ 6,300.00
3DB76050FA	MPT-HLC XCVR 11 GHZ HP W/COMBINER TX HI	Y	\$ 20,500.00	\$ 7,380.00
3DB76050GA	MPT-HLC Plus XCVR 11GHz	Y	\$ 22,000.00	\$ 7,920.00
3DB76050HA	MPT-HLC Plus XCVR 11GHz WITH COMBINER	Y	\$ 25,000.00	\$ 9,000.00
3CC50210AA	MPT-HLC Antenna Alignment Cable	N	\$ 55.00	\$ 19.80
<b>MPT-HLC XPIC Cables</b>				
3CC52204AA	XPIC cable RJ45-RJ45, 3 m	N	\$ 150.00	\$ 109.50
3CC52204AB	XPIC cable RJ45-RJ45, 5 m	N	\$ 220.00	\$ 160.60
3CC52204AC	XPIC cable RJ45-RJ45, 10 m	N	\$ 300.00	\$ 219.00

**The 9500 MPR Family**

Part No	Description	Space	MPCS MSRP	MPCS Unit Price
3CC52204AD	XPIC cable RJ45-RJ45, 0.5 m	N	\$ 75.00	\$ 54.75
3CC52204AE	XPIC cable RJ45-RJ45, 1 m	N	\$ 100.00	\$ 73.00
<b>MPT-III, Transmit Monitor Port Kit</b>				
3EM24447AA	6 GHz Transmit Monitor Port Kit	Y	\$ 2,000.00	\$ 1,460.00
3EM24447AB	11 GHz Transmit Monitor Port Kit	Y	\$ 2,500.00	\$ 1,825.00
<b>Diplexer Bracket Kits - Table F2</b>				
3EM23465AA	6/11 GHz Hot Standby 1:10 Coupler Diplexer Bracket	N	\$ 1,229.00	\$ 442.44
3EM23465AB	6/11 GHz Hot Standby Space Diversity Diplexer Bracket	N	\$ 1,250.00	\$ 450.00
3EM23465AC	6/11 GHz 1+0 (Non-Standby) Diplexer Bracket	N	\$ 262.00	\$ 94.32
3EM23465AD	6/11 GHz Single Shelf Repeater Diplexer Bracket	N	\$ 451.00	\$ 162.36
3EM23465AE	1+1 HSB, SD w/ Combiner	N	\$ 1,425.00	\$ 513.00
3EM23465AF	2x(1+0), SD w/ Combiner	N	\$ 825.00	\$ 297.00
3EM23465AG	1+0, SD w/ Combiner	N	\$ 400.00	\$ 144.00
3EM23465AH	Expansion to 2x(1+0), SD w/ Combiner	N	\$ 345.00	\$ 124.20
3MU00117AA	UU6 GHz, HSB, 1:10 Coupler Diplexer Bracket Kit	N	\$ 5,450.00	\$ 1,962.00
3MU00117AB	UU6 GHz, 1+0 (Non-Stby) Diplexer Bracket Kit	N	\$ 4,375.00	\$ 1,575.00
3MU00117AC	UU6 GHz, HSB, HSB w/ SD Diplexer Bracket Kit	N	\$ 7,785.00	\$ 2,802.60
3MU00117AD	UU6 GHz, HSB, Single Shelf Repeater Diplexer Bracket Kit	N	\$ 8,335.00	\$ 3,000.60
3DB76236AA	BRANCHING COMPACT 4GHZ 1+1 HSB 1:10 COUP	N	\$ 3,200.00	\$ 1,152.00
3DB76237AA	BRANCHING COMP. 4GHZ 1+1 HSB SD RPS	N	\$ 3,775.00	\$ 1,359.00
3DB76232AA	BRANCHING COMPACT 4GHZ 1 0	N	\$ 1,800.00	\$ 648.00
3DB76234AA	BRANCHING COMPACT 4GHZ 2x (1+0)	N	\$ 3,650.00	\$ 1,314.00
3DB76238AA	BRANCHING COMP. 4GHZ1X(1+1 HSB SD COMBI	N	\$ 5,575.00	\$ 2,007.00
3DB76235AA	BRANCHING COMPACT 4GHZ 2x (1+0) SD	N	\$ 5,850.00	\$ 2,106.00
3DB76233AA	BRANCHING COMPACT 4GHZ 1+0 SD	N	\$ 2,925.00	\$ 1,053.00
<b>Diplexer, Clamp and Isolator Kits - Lower 6GHz - Table F3</b>				
3EM23466AA	L6 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 547.00	\$ 196.92
3EM23466AB	L6 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 500.00	\$ 180.00
3EM23466AC	L6 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 264.00	\$ 95.04
3EM23466AD	L6 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 636.00	\$ 228.96
3EM23466AN	L6 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,025.00	\$ 369.00
3EM23466AP	L6 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,145.00	\$ 412.20
3EM23466AQ	L6 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 535.00	\$ 192.60
3EM23466AR	L6 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 575.00	\$ 207.00
<b>Diplex, Clamp, Isoltr &amp; Cable Kits - L6GHz 60 MHz Channels - Table F3</b>				
3DB76116AA	L6 GHz, 60 MHz Hot Standby 1:10 Coupler	N	\$ 2,275.00	\$ 819.00
3DB76119AA	L6 GHz, 60 MHz Hot Standby Space Diversity	N	\$ 1,650.00	\$ 594.00
3DB76117AA	L6 GHz, 60 MHz 1+0 (Non-Standby)	N	\$ 750.00	\$ 270.00
3DB76120AA	L6 GHz, 60 MHz Single Shelf Repeater	N	\$ 1,125.00	\$ 405.00
3DB76115AA	L6 GHz, 60 MHz 1+1 HSB, SD w/ Combiner	N	\$ 7,500.00	\$ 2,700.00
3DB76121AA	L6 GHz, 60 MHz 2x(1+0), SD w/ Combiner	N	\$ 1,225.00	\$ 441.00
3DB76118AA	L6 GHz, 60 MHz 1+0, SD w/ Combiner	N	\$ 750.00	\$ 270.00
<b>Diplexer, Clamp and Isolator Kits - Upper 6GHz - Table F3</b>				
3EM23466AE	U6 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 564.00	\$ 203.04
3EM23466AF	U6 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 514.00	\$ 185.04
3EM23466AG	U6 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 273.00	\$ 98.28
3EM23466AH	U6 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 653.00	\$ 235.08
3EM23466AS	U6 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 4,625.00	\$ 1,665.00
3EM23466AT	U6 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,335.00	\$ 480.60
3EM23466AY	U6 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 675.00	\$ 243.00
3EM23466AV	U6 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 665.00	\$ 239.40
<b>Diplexer, Clamp and Isolator Kits - Upper 5.8GHz - Table F3</b>				
3EM23466AJ	5.8 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 1,355.00	\$ 487.80
3EM23466AK	5.8 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 485.00	\$ 174.60
3EM23466AL	5.8 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 253.00	\$ 91.08
3EM23466AM	5.8 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 505.00	\$ 181.80
3EM23466AW	5.8 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 3,875.00	\$ 1,395.00
3EM23466AY	5.8 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 785.00	\$ 282.60
3EM23466AZ	5.8 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 370.00	\$ 133.20
3EM23466BA	5.8 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 395.00	\$ 142.20
<b>Diplexer, Clamp and Isolator Kits - 10.5 GHz - Table F3</b>				
3EM24188CA	10.5 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 620.00	\$ 223.20
3EM24188CB	10.5 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 565.00	\$ 203.40
3EM24188CC	10.5 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 300.00	\$ 108.00
3EM24188CD	10.5 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 718.00	\$ 258.48
3EM24188CE	10.5 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,215.00	\$ 437.40
3EM24188CF	10.5 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,295.00	\$ 466.20
3EM24188CG	10.5 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 650.00	\$ 234.00
3EM24188CH	10.5 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 650.00	\$ 234.00
3EM24188CJ	10.5 GHz Diplexer Clamp Kit Antenna Prot9500 MPR	N	\$ 1,055.00	\$ 381.75

**The 9500 MPR Family**

Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
<b>Diplexer Clamp and Isolator Kits - 11 Ghz - Table R3</b>				
3EM24188BA	11 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	N	\$ 620.00	\$ 223.20
3EM24188BB	11 GHz Hot Standby Space Diversity Diplexer Clamp and Isolator Kits	N	\$ 565.00	\$ 203.40
3EM24188BC	11 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	N	\$ 300.00	\$ 108.00
3EM24188BD	11 GHz Single Shelf Repeater Diplexer Clamp and Isolator Kits	N	\$ 718.00	\$ 258.48
3EM24188BE	11 GHz 1+1 HSB, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 2,295.00	\$ 826.20
3EM24188BF	11 GHz 2x(1+0), SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 1,295.00	\$ 466.20
3EM24188BG	11 GHz 1+0, SD w/ Combiner Diplexer Clamp and Isolator Kit	N	\$ 605.00	\$ 217.80
3EM24188BH	11 GHz Expansion to 2x(1+0), SD w/ Combiner Dplxr Clamp & Iso Kit	N	\$ 650.00	\$ 234.00
3EM24188BJ	11 GHz Diplexer Clamp Kit Antenna Prof9500 MPR	N	\$ 955.00	\$ 343.80
<b>RF Diplexer Filters - Table G</b>				
3EM24458AA	RF Diplexer Filter Xmt 5725-5755, Rev 5790-5820, 30MHz	N	\$ 1,000.00	\$ 360.00
3EM24458AB	RF Diplexer Filter Xmt 5755-5785, Rev 5820-5850, 30MHz	N	\$ 1,000.00	\$ 360.00
3EM24458AC	RF Diplexer Filter Xmt 5725-5755, Rev 5820-5850, 30MHz	N	\$ 1,000.00	\$ 360.00
3EM16710AB	RF Diplexer Filter Xmt 5925-6175, Rev 6175-6425, 10 MHz BW	N	\$ 1,500.00	\$ 540.00
3EM16710AC	RF Diplexer Filter Xmt 6175-6425, Rev 5925-6175, 10 MHz BW	N	\$ 1,500.00	\$ 540.00
3EM24335AA	RF Diplexer Filter 5925-6425, 30MHz, Symmetrical	N	\$ 1,500.00	\$ 540.00
3DB76188AA	RF Diplexer Filter Xmt 5925-6175, Rev 6175-6425, 60 MHz BW	N	\$ 2,000.00	\$ 720.00
3DB76189AA	RF Diplexer Filter Xmt 6175-6425, Rev 5925-6175, 60 MHz BW	N	\$ 2,000.00	\$ 720.00
3EM09730AA	RF Diplexer Filter Xmt 6525-6875, Rev 6525-6875, 10 MHz BW	N	\$ 800.00	\$ 288.00
3EM24333AA	RF Diplexer Filter Xmt 6525-6875, 30MHz, Symmetrical	N	\$ 1,500.00	\$ 540.00
967-1585-002	RF Diplexer Filter Xmt 6440-6750, Rev 6440-6750, 10 MHz BW	N	\$ 1,500.00	\$ 540.00
967-1585-003	RF Diplexer Filter Xmt 6440-6750, Rev 6750-7080, 10 MHz BW	N	\$ 1,200.00	\$ 432.00
967-1585-004	RF Diplexer Filter Xmt 6750-7080, Rev 6440-6750, 10 MHz BW	N	\$ 1,200.00	\$ 432.00
967-1585-005	RF Diplexer Filter Xmt 6750-7080, Rev 6750-7080, 10 MHz BW	N	\$ 1,200.00	\$ 432.00
3EM04024AC	RF Diplexer Filter Xmt 6440-6580, Rev 6740-6920, 30MHz	N	\$ 1,500.00	\$ 540.00
3EM04024AD	RF Diplexer Filter Xmt 6581-6740, Rev 6921-7080, 30MHz	N	\$ 850.00	\$ 306.00
3EM04024AE	RF Diplexer Filter Xmt 6740-6920, Rev 6440-6580, 30MHz	N	\$ 1,500.00	\$ 540.00
3EM04024AF	RF Diplexer Filter Xmt 6921-7080, Rev 6581-6740, 30MHz	N	\$ 850.00	\$ 306.00
3EM24078AA	RF Diplexer Filter 10550-10680, 10 MHz BW, Symmetrical	N	\$ 1,500.00	\$ 540.00
3EM24081AA	RF Diplexer Filter 10700-11700, 30 MHz, Symmetrical	N	\$ 1,500.00	\$ 540.00
<b>RF Space Filters - Table G1</b>				
3EM11649AA	RF Diplexer Space Diversity Filter 5725-5755/30MHz	N	\$ 1,500.00	\$ 540.00
3EM11649AB	RF Diplexer Space Diversity Filter 5755-5785/30MHz	N	\$ 1,500.00	\$ 540.00
3EM11649AC	RF Diplexer Space Diversity Filter 5790-5820/30MHz	N	\$ 1,500.00	\$ 540.00
3EM11649AD	RF Diplexer Space Diversity Filter 5820-5850/30MHz	N	\$ 1,500.00	\$ 540.00
967-0506-002	RF Diplexer Space Diversity Filter 5925-6175 /10MHz BW	N	\$ 1,500.00	\$ 540.00
967-0506-003	RF Diplexer Space Diversity Filter 6175-6425 /10MHz BW	N	\$ 1,500.00	\$ 540.00
3EM04182AA	RF Diplexer Space Diversity Filter 5925-6050/30MHz	N	\$ 1,500.00	\$ 540.00
3EM04182AB	RF Diplexer Space Diversity Filter 6050-6175/30MHz	N	\$ 1,500.00	\$ 540.00
3EM04182AC	RF Diplexer Space Diversity Filter 6175-6300/30MHz	N	\$ 1,500.00	\$ 540.00
3EM04182AD	RF Diplexer Space Diversity Filter 6300-6425/30MHz	N	\$ 1,500.00	\$ 540.00
3DB76190AA	RF Diplexer Space Diversity Filter 5925-6175 /60MHz BW	N	\$ 725.00	\$ 261.00
3DB76191AA	RF Diplexer Space Diversity Filter 6175-6425 /60MHz BW	N	\$ 725.00	\$ 261.00
3DB76113AA	RF Diplexer Space Diversity Filter 5925-6175 /60MHz BW	N	\$ 725.00	\$ 261.00
3DB76114AA	RF Diplexer Space Diversity Filter 6175-6425 /60MHz BW	N	\$ 725.00	\$ 261.00
3EM19463AA	RF Diplexer Space Diversity Filter 6525-6875 / 10MHz BW	N	\$ 700.00	\$ 252.00
3EM04235AA	RF Diplexer Space Diversity Filter 6525-6710/30MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AB	RF Diplexer Space Diversity Filter 6710-6875/30MHz	N	\$ 1,000.00	\$ 360.00
967-0506-004	RF Diplexer Space Diversity Filter 6440-6750/10MHz	N	\$ 1,750.00	\$ 630.00
967-0506-005	RF Diplexer Space Diversity Filter 67500-7080/10MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AC	RF Diplexer Space Diversity Filter 6440-6580/30MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AD	RF Diplexer Space Diversity Filter 6580-6740/30MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AE	RF Diplexer Space Diversity Filter 6740-6920/30MHz	N	\$ 1,000.00	\$ 360.00
3EM04235AF	RF Diplexer Space Diversity Filter 6920-7080/30MHz	N	\$ 1,000.00	\$ 360.00
3EM24614AA	RF Diplexer Space Diversity Filter 10550-10680 / 10 MHz	N	\$ 1,400.00	\$ 504.00
3EM24310AA	RF Diplexer Space Diversity Filter 10700-11200 / 30 MHz	N	\$ 875.00	\$ 315.00
3EM24310AB	RF Diplexer Space Diversity Filter 11200-11700 / 30 MHz	N	\$ 875.00	\$ 315.00
<b>Waveguide Transition Kits - Table G2</b>				
3EM23511AA	Diplexer Transition Assy A2 (6Ghz) Position Kit	N	\$ 500.00	\$ 180.00
3EM23511AB	Diplexer Transition Assy A3 (6Ghz) Position Kit	N	\$ 300.00	\$ 108.00
3EM23511AC	Diplexer Transition Assy A4 (6Ghz) Position Kit	N	\$ 663.00	\$ 238.68
3EM23511AD	Diplexer Transition Assy A5 (6Ghz) Position Kit	N	\$ 541.00	\$ 194.76
3EM23511AE	Flat Bracket Kit	N	\$ 116.00	\$ 41.76
3EM23511AF	Diplexer Transition Assy A2 (11 Ghz) Position Kit	N	\$ 550.00	\$ 198.00
3EM23511AG	Diplexer Transition Assy A3 (11 Ghz) Position Kit	N	\$ 350.00	\$ 126.00
3EM23511AH	Diplexer Transition Assy A4 (11 Ghz) Position Kit	N	\$ 725.00	\$ 261.00
3EM23511AJ	Diplexer Transition Assy A5 (11 Ghz) Position Kit	N	\$ 600.00	\$ 216.00
3EM23511AP	6 GHz Trans Kit A3' Transition Kit A3'	N	\$ 600.00	\$ 216.00
3EM23511AQ	6 GHz Trans Kit A3' FD Transition Kit A3' FD	N	\$ 132.96	\$ 47.87
3EM23511AR	6 GHz Trans Kit A4' Transition Kit A4'	N	\$ 116.58	\$ 41.97
3EM23511AS	6 GHz Trans Kit A4' FD Transition Kit A4' FD	N	\$ 132.96	\$ 47.87
3EM23511AT	11 GHz Trans Kit A3' Transition Kit A3'	N	\$ 116.58	\$ 41.97
3EM23511AU	11 GHz Trans Kit A3' FD Transition Kit A3' FD	N	\$ 178.29	\$ 64.18

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**The 9500 MPR Family**

Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
3EM23511AV	11 GHz Trans Kit A4 Transition Kit A4	N	\$ 161.91	\$ 58.29
3EM23511AW	11 GHz Trans Kit A4 FD Transition Kit A4 FD	N	\$ 178.29	\$ 64.18
<b>Waveguide Transition Kits - Table G3 (note 1097)</b>				
1AB077940016	Diplexer to Transition Cable Assy 228.6mm 155-0560-209	N	\$ 50.00	\$ 18.00
1AB077940017	Diplexer to Transition Cable Assy 304.8mm 155-0560-212	N	\$ 55.00	\$ 19.80
1AB077940018	Diplexer to Transition Cable Assy 381mm 155-0560-215	N	\$ 75.00	\$ 27.00
<b>Stacking Filter Waveguide Kits - Lower 6 GHz - Table H</b>				
3EM24123DA	Stacking Filter L6 GHz Hot Standby W/G Kit 1st MPT	N	\$ 2,372.00	\$ 853.92
3EM24123DB	Stacking Filter L6 GHz Hot Standby W/G Kit 1st & 2nd MPT	N	\$ 3,124.00	\$ 1,124.64
3EM24123DC	Stacking Filter L6 GHz Hot Stby W/G Kit 3rd MPT	N	\$ 2,369.00	\$ 852.84
3EM24123DD	Stacking Filter L6 GHz Hot Stby W/G Kit 3rd & 4th MPT	N	\$ 3,084.00	\$ 1,110.24
3EM24123DE	Stacking Filter L6 GHz Hot Stby W/G Kit Add-On 3rd MPT	N	\$ 1,575.00	\$ 567.00
3EM24123DF	Stacking Filter L6 GHz Hot Stby W/G Kit Add-On 3rd & 4th MPT	N	\$ 1,725.00	\$ 621.00
3EM24123DG	Stacking Filter L6 GHz Hot Stby W/G Kit Add-On 2nd or 4th MPT	N	\$ 625.00	\$ 225.00



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Part No	Description	Space	MPCS MSRP	MPCS Unit Price
<b>Stacking Filter Waveguide Kits - Upper 6 GHz - Table H</b>				
3EM24123EA	Stacking Filter U6 GHz Hot Standby W/G Kit 1st MPT	N	\$ 2,372.00	\$ 853.92
3EM24123EB	Stacking Filter U6 GHz Hot Standby W/G Kit 1st & 2nd MPT	N	\$ 3,124.00	\$ 1,124.64
3EM24123EC	Stacking Filter U6 GHz Hot Stby W/G Kit 3rd MPT	N	\$ 2,369.00	\$ 852.84
3EM24123ED	Stacking Filter U6 GHz Hot Stby W/G Kit 3rd & 4th MPT	N	\$ 3,084.00	\$ 1,110.24
3EM24123EE	Stacking Filter U6 GHz Hot Stby W/G Kit Add-On 3rd MPT	N	\$ 1,600.00	\$ 576.00
3EM24123EF	Stacking Filter U6 GHz Hot Stby W/G Kit Add-On 3rd & 4th MPT	N	\$ 1,800.00	\$ 648.00
3EM24123EG	Stacking Filter U6 GHz Hot Stby W/G Kit Add-On 2nd or 4th MPT	N	\$ 675.00	\$ 243.00
<b>Stacking Filter Waveguide Kits - 6 GHz - Table H</b>				
3EM24123AE	Stacking Filter 6 GHz Add-on Space Kit 1st MPT (HSB)	N	\$ 2,045.00	\$ 736.20
3EM24123AF	Stacking Filter 6 GHz Add-on Space Kit 1st & 2nd MPT (HSB)	N	\$ 2,540.00	\$ 914.40
3EM24123BF	Stacking Filter 6 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 1,450.00	\$ 522.00
3EM24123BG	Stacking Filter 6 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 1,550.00	\$ 558.00
3EM24123AG	Stacking Filter 6 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 2,257.00	\$ 812.52
3EM24123AH	Stacking Filter 6 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 2,597.00	\$ 934.92
3EM24123BR	Stacking Filter 6 GHz Add-on Space Kit 2nd or 4th MPT (HSB)	N	\$ 600.00	\$ 216.00
3EM24123AJ	Stacking Filter Initial Bracket Kit	N	\$ 145.00	\$ 52.20
3EM24123AK	Stacking Filter Flat Bracket Kit	N	\$ 65.00	\$ 23.40
3EM24123AW	Stacking Filter Stacker Bracket Kit	N	\$ 165.00	\$ 59.40
3EM24123AL	Stacking Filter Add-on Xmt & Rcv Circulators	N	\$ 963.00	\$ 346.68
3EM24123AY	Stacking Filter 6 GHz Freq Div W/G Kit 1st MPT 1x(1+0)	N	\$ 7,025.00	\$ 2,529.00
3EM24123AM	Stacking Filter 6 GHz Freq Div W/G Kit 1st MPT 2x(1+0)	N	\$ 5,470.00	\$ 1,969.20
3EM24123AZ	Stacking Filter 6 GHz Freq Div W/G Kit 1st & 2nd MPT 3x(1+0)	N	\$ 7,750.00	\$ 2,790.00
3EM24123AN	Stacking Filter 6 GHz Freq Div W/G Kit 1st & 2nd MPT 4x(1+0)	N	\$ 6,354.00	\$ 2,287.44
3EM24123BA	Stacking Filter 6 GHz Freq Div W/G Kit 3rd MPT 2nd dir 1x(1+0)	N	\$ 7,250.00	\$ 2,610.00
3EM24123AP	Stacking Filter 6 GHz Freq Div W/G Kit 3rd MPT 2nd dir 2x(1+0)	N	\$ 5,723.00	\$ 2,060.28
3EM24123BB	Stacking Filter 6 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 3x(1+0)	N	\$ 7,975.00	\$ 2,871.00
3EM24123AQ	Stacking Filter 6 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 4x(1+0)	N	\$ 6,947.00	\$ 2,500.92
3EM24123BV	Stacking Filter 6 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 2x(1+0)	N	\$ 4,875.00	\$ 1,755.00
3EM24123BU	Stacking Filter 6 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 1x(1+0)	N	\$ 4,700.00	\$ 1,692.00
3EM24123BC	Stackg Fltr 6 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 3x(1+0)	N	\$ 1,650.00	\$ 594.00
3EM24123BD	Stackg Fltr 6 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 4x(1+0)	N	\$ 1,625.00	\$ 585.00
3EM24123BE	Stacking Filter 6 GHz Freq Div W/G Kit Add-On Kit Grow 2nd or 4th MPT	N	\$ 825.00	\$ 297.00
3EM24123BH	1st MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,950.00	\$ 1,062.00
3EM24123BJ	1st MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,900.00	\$ 1,044.00
3EM24123BK	1st & 2nd MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 2,850.00	\$ 1,026.00
3EM24123BL	1st & 2nd MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 2,825.00	\$ 1,017.00
3EM24123BM	3rd MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,350.00	\$ 846.00
3EM24123BN	3rd MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,325.00	\$ 837.00
3EM24123BP	3rd & 4th MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 2,750.00	\$ 990.00
3EM24123BQ	3rd & 4th MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 2,725.00	\$ 981.00
3EM24123BS	Field Add-On 2nd MPT to 1x(1+0) Kit or 4th MPT to 3x(1+0) (SD FD)	N	\$ 425.00	\$ 153.00
3EM24123BT	Field Add-On 3rd MPT to 2x(1+0) Kit (SD FD)	N	\$ 875.00	\$ 315.00
<b>Waveguide Extension Kits - Table L</b>				
3EM24123AR	6 GHz W/G Extension Kit Xmt/Rev A8-A11	N	\$ 2,250.00	\$ 810.00
3EM24123AS	6 GHz W/G Extension Kit Space Div A8-A11 (MPT-HL)	N	\$ 1,850.00	\$ 666.00
3EM24123AV	6 GHz W/G Extension Kit Space Div A8-A11 (MPT-HLC)	N	\$ 2,885.00	\$ 1,038.60
3EM24123AU	6 GHz W/G Extension A8 to Top (Xmt/Rev or Space Div)	N	\$ 1,050.00	\$ 378.00
3EM24123AT	6 GHz W/G Extension A3 to A8, A5 to A10 (Xmt/Rev or Space Div)	N	\$ 600.00	\$ 216.00
3EM17592AA	Bracket, WG Support (1 hole)	N	\$ 50.00	\$ 18.00
3EM17592AB	Bracket, WG Support (2 hole)	N	\$ 56.00	\$ 20.16
3EM23867AC	Bracket, WG Support (2 hole)	N	\$ 110.00	\$ 39.60
<b>Stacking Filter Waveguide Kits - 11 GHz - Table H</b>				
3EM24166AA	Stacking Filter WG Initial Comb Assy 11 GHz 1st MPT HSB	N	\$ 2,609.00	\$ 939.24
3EM24166AB	Stacking Filter WG Initial Comb Assy 11 GHz 1st & 2nd MPT HSB	N	\$ 3,436.00	\$ 1,236.96
3EM24166AC	Stacking Filter WG Add-on Assy 11 GHz 3rd MPT HSB	N	\$ 2,605.00	\$ 937.80
3EM24166AD	Stacking Filter WG Add-on Assy 11 GHz 3rd & 4th MPT HSB	N	\$ 3,392.00	\$ 1,221.12
3EM24166DE	Stacking Filter 11 GHz Hot Stby W/G Kit Add-On 3rd MPT	N	\$ 2,290.00	\$ 824.40
3EM24166DF	Stacking Filter 11 GHz Hot Stby W/G Kit Add-On 3rd & 4th MPT	N	\$ 2,915.00	\$ 1,049.40
3EM24166DG	Stacking Filter 11 GHz Hot Stby W/G Kit Add-On 2nd or 4th MPT	N	\$ 875.00	\$ 315.00
3EM24166AE	Stacking Filter WG Add SD Assy 11 GHz 1st MPT (HSB)	N	\$ 2,249.00	\$ 809.64
3EM24166AF	Stacking Filter WG Add SD Assy 11 GHz 1st & 2nd MPT (HSB)	N	\$ 2,794.00	\$ 1,005.84
3EM24166BF	Stacking Filter 11 GHz Add-on Space Kit 3rd MPT (HSB)	N	\$ 1,395.00	\$ 502.20
3EM24166BG	Stacking Filter 11 GHz Add-on Space Kit 3rd & 4th MPT (HSB)	N	\$ 1,995.00	\$ 718.20
3EM24166AG	Stacking Filter WG Add SD Assy 11 GHz 3rd MPT (HSB)	N	\$ 2,482.00	\$ 893.52
3EM24166AH	Stacking Filter WG Add SD Assy 11 GHz 3rd & 4th MPT (HSB)	N	\$ 2,856.00	\$ 1,028.16
3EM24166BR	Stacking Filter 11 GHz Add-on Space Kit 2nd or 4th MPT (HSB)	N	\$ 950.00	\$ 342.00
3EM24166AJ	Stacking Filter Initial Bracket Kit	N	\$ 159.00	\$ 57.24
3EM24123AK	Stacking Filter Flat Bracket Kit	N	\$ 65.00	\$ 23.40
3EM24123AW	Stacking Filter Stacker Bracket Kit	N	\$ 165.00	\$ 59.40
3EM24166AK	Stacking Filter Add-on XMT & RCV Circulators	N	\$ 1,059.00	\$ 381.24
3EM24166AY	Stacking Filter 11 GHz Freq Div W/G Kit 1st MPT 1x(1+0)	N	\$ 5,450.00	\$ 1,962.00
3EM24166AZ	Stacking Filter 11 GHz Freq Div W/G Kit 1st MPT 2x(1+0)	N	\$ 6,017.00	\$ 2,166.12
3EM24166AZ	Stacking Filter 11 GHz Freq Div W/G Kit 1st & 2nd MPT 3x(1+0)	N	\$ 7,250.00	\$ 2,610.00
3EM24166AM	Stacking Filter 11 GHz Freq Div W/G Kit 1st & 2nd MPT 4x(1+0)	N	\$ 6,989.00	\$ 2,516.04

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Part No	Description	Space	NPSCS MSRP	NPSCS Unit Price
3EM24166BA	Stacking Filter 11 GHz Freq Div W/G Kit 3rd MPT 2nd dir 1x(1+0)	N	\$ 6,150.00	\$ 2,214.00
3EM24166AN	Stacking Filter 11 GHz Freq Div W/G Kit 3rd MPT 2x(1+0)	N	\$ 6,295.00	\$ 2,266.20
3EM24166BB	Stacking Filter 11 GHz Freq Div W/G Kit 3rd & 4th MPT 2nd dir 3x(1+0)	N	\$ 7,850.00	\$ 2,826.00
3EM24166AP	Stacking Filter 11 GHz Freq Div W/G Kit 3rd & 4th MPT 4x(1+0)	N	\$ 7,641.00	\$ 2,750.76
3EM24166BV	Stacking Filter 11 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 2x(1+0)	N	\$ 5,500.00	\$ 1,980.00
3EM24166BU	Stacking Filter 11 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 1x(1+0)	N	\$ 4,700.00	\$ 1,692.00
3EM24166BU	Stacking Filter 11 GHz Freq Div W/G Kit 2nd MPT 2nd Dir 1x(1+0)	N	\$ 1,825.00	\$ 657.00
3EM24166BC	Stckg Fltr 11 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 3x(1+0)	N	\$ 1,775.00	\$ 639.00
3EM24166BD	Stckg Fltr 11 GHz Freq Div W/G Kit Add-on 2nd/4th MPT Grow to 4x(1+0)	N	\$ 1,425.00	\$ 513.00
3EM24166BE	Stacking Filter 11 GHz Freq Div W/G Kit Add-On Kit Grow 2nd MPT	N	\$ 1,275.00	\$ 459.00
3EM24166BW	Stacking Filter 11 GHz Freq Div W/G Kit Add-On Kit Grow 4th MPT	N	\$ 2,145.00	\$ 772.20
3EM24166BH	1st MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,550.00	\$ 918.00
3EM24166BJ	1st MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 3,000.00	\$ 1,080.00
3EM24166BK	1st & 2nd MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 3,200.00	\$ 1,152.00
3EM24166BL	1st & 2nd MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 1,975.00	\$ 711.00
3EM24166BM	3rd MPT Add Space Div to 1x(1+0) Kit (SD FD)	N	\$ 2,375.00	\$ 855.00
3EM24166BN	3rd MPT Add Space Div to 2x(1+0) Kit (SD FD)	N	\$ 2,850.00	\$ 1,026.00
3EM24166BP	3rd & 4th MPT Add Space Div to 3x(1+0) Kit (SD FD)	N	\$ 3,000.00	\$ 1,080.00
3EM24166BQ	3rd & 4th MPT Add Space Div to 4x(1+0) Kit (SD FD)	N	\$ 725.00	\$ 261.00
3EM24166BS	Field Add-On 2nd MPT to 1x(1+0) Kit (SD FD)	N	\$ 635.00	\$ 228.60
3EM24166BY	Field Add-On 4th MPT to 3x(1+0) Kit (SD FD)	N	\$ 900.00	\$ 324.00
3EM24166BT	Field Add-On 3rd MPT to 2x(1+0) Kit (SD FD)	N		
<b>Waveguide Extension Kits - Table L</b>				
3EM24166AQ	11 GHz WG Ext Xmt-Rcv Kit Positions A8-A11 Left or Right	N	\$ 1,016.00	\$ 365.76
3EM24166AR	11 GHz W/G Extension Kit Space Div A8-A11 (MPT-HL)	N	\$ 1,118.00	\$ 402.48
3EM24166AV	11 GHz W/G Extension Kit Space Div A8-A11 (MPT-HLC)	N	\$ 1,825.00	\$ 657.00
<b>RF Stacking Filters - 6 GHz - Table J</b>				
3EM16948AG	RCV RF Stacking Filter 5725-5850 MHz	N	\$ 900.00	\$ 324.00
3EM16949AG	XMT RF Stacking Filter 5725-5850 MHz	N	\$ 1,100.00	\$ 396.00
3EM16948AA	RCV RF Stacking Filter 5925-6175 MHz	N	\$ 1,150.00	\$ 414.00
3EM16949AB	XMT RF Stacking Filter 6175-6425 MHz	N	\$ 1,200.00	\$ 432.00
3EM16948AB	RCV RF Stacking Filter 6175-6425 MHz	N	\$ 1,650.00	\$ 594.00
3EM16949AA	XMT RF Stacking Filter 5925-6175 MHz	N	\$ 725.00	\$ 261.00
3DB76113AA	RF Stacking Filter 5925-6175 MHz (XMT or RCV) 60 MHz	N	\$ 725.00	\$ 261.00
3DB76114AA	RF Stacking Filter 6175-6425 MHz (XMT or RCV) 60 MHz	N	\$ 7,500.00	\$ 2,700.00
3DB76092AA	60 MHz Filter Flange Adapter Kit	N	\$ 950.00	\$ 342.00
3EM16948AD	RCV RF Stacking Filter 6525-6875 MHz	N	\$ 950.00	\$ 342.00
3EM16949AD	XMT RF Stacking Filter 6525-6875 MHz	N	\$ 1,700.00	\$ 612.00
3EM16948AE	RCV RF Stacking Filter 6440-6740 MHz	N	\$ 1,250.00	\$ 450.00
3EM16949AF	XMT RF Stacking Filter 6740-7080 MHz	N	\$ 1,250.00	\$ 450.00
3EM16948AF	RCV RF Stacking Filter 6740-7080 MHz	N	\$ 850.00	\$ 306.00
3EM16949AE	XMT RF Stacking Filter 6440-6740 MHz	N		
<b>RF Stacking Filters - 11 GHz - Table J</b>				
3EM05115AA	RCV RF Stacking Filter 10700-11200 MHz	N	\$ 1,500.00	\$ 540.00
3EM05115AC	RCV RF Stacking Filter 11200-11700 MHz	N	\$ 1,500.00	\$ 540.00
3EM05114AA	XMT RF Stacking Filter 10700-11200 MHz	N	\$ 1,500.00	\$ 540.00
3EM05114AC	XMT RF Stacking Filter 11200-11700 MHz	N	\$ 1,500.00	\$ 540.00
<b>Cable Kits - Table JI</b>				
3EM23523AJ	Stacking Cable Assy Hot Standby 1:10 Coupler	N	\$ 1,145.00	\$ 412.20
3EM23523AK	Stacking Cable Assy Hot Standby w/ Space Diversity	N	\$ 1,150.00	\$ 414.00
3EM23523AL	Stacking Cable Assy Freq Diversity 2x(1+0)	N	\$ 450.00	\$ 162.00
3EM23523AM	Stacking Cable Assy 1+0 Non-Standby Circulators Right-Rear	N	\$ 200.00	\$ 72.00
3EM23523AN	Stacking Cable Assy 1+0 Non-Standby Circulators Left-Rear	N	\$ 235.00	\$ 84.60
3EM23523AP	Stacking Cable Assy Expansion to 2x(1+0) Circulators Right-Rear	N	\$ 235.00	\$ 84.60
3EM23523AQ	Stacking Cable Assy Expansion to 2x(1+0) Circulators Left-Rear	N	\$ 200.00	\$ 72.00
3EM23523AR	Stacking Cable Assy Hot-Standby, Space Div with Combiner	N	\$ 1,345.00	\$ 484.20
3EM23523AS	Stacking Cable Assy Freq Diversity 2x(1+0), Space Div with Combiner	N	\$ 500.00	\$ 180.00
3EM23523AT	Freq Div 1x(1+0), Space Div w/Combiner Circulators Right-Rear	N	\$ 285.00	\$ 102.60
3EM23523AU	Freq Div 1x(1+0), Space Div w/Combiner Circulators Left-Rear	N	\$ 350.00	\$ 126.00
3EM23523AV	Expansion to 2x(1+0), SD w/ Combiner Circulators Right-Rear	N	\$ 345.00	\$ 124.20
3EM23523AW	Expansion to 2x(1+0), SD w/ Combiner Circulators Left-Rear	N	\$ 290.00	\$ 104.40
3EM23523AY	Hot Standby w/ Transmitter Diversity Antenna	N	\$ 915.00	\$ 329.40
<b>Isolator Kits - Lo - Table JI</b>				
3EM23524AA	Isolator Assy Lower 6 GHz Hot Standby 1:10 Coupler	N	\$ 461.00	\$ 165.96
3EM23524AB	Isolator Assy Lower 6 GHz Hot Standby Space Diversity or FD	N	\$ 449.00	\$ 161.64
3EM23524AC	Isolator Assy Lower 6 GHz 1+0 (Non-Standby)	N	\$ 224.00	\$ 80.64
3EM23524AG	Isolator Assy Lower 6 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 840.00	\$ 302.40
3EM23524AH	Isolator Assy Lower 6 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 650.00	\$ 234.00
3EM23524AJ	Isolator Assy Lower 6 GHz 1+0, Space Div w/ Combiner	N	\$ 325.00	\$ 117.00
3EM23524AK	Isolator Assy Lower 6 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 750.00	\$ 270.00
<b>Isolator Kits - U6 - Table JI</b>				
3EM23524AD	Isolator Assy Upper 6 GHz Hot Standby 1:10 Coupler	N	\$ 479.00	\$ 172.44
3EM23524AE	Isolator Assy Upper 6 GHz Hot Standby Space Diversity or FD	N	\$ 466.00	\$ 167.76



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Part No	Description	Spare	MPCS MSRP	MFSCS Unit Price
3EM23524AF	Isolator Assy Upper 6 GHz 1+0 (Non-Standby)	N	\$ 233.00	\$ 83.88
3EM23524AL	Isolator Assy Upper 6 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 925.00	\$ 333.00
3EM23524AM	Isolator Assy Upper 6 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 725.00	\$ 261.00
3EM23524AN	Isolator Assy Upper 6 GHz 1+0, Space Div w/ Combiner	N	\$ 365.00	\$ 131.40
3EM23524AP	Isolator Assy Upper 6 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 895.00	\$ 322.20
<b>Isolator Kits - 10.5/11 GHz - Table J2</b>				
3EM24189AA	Isolator Assy 10.5/11 GHz Hot Standby 1:10 Coupler	N	\$ 526.00	\$ 189.36
3EM24189AB	Isolator Assy 10.5/11 GHz Hot Standby Space Diversity or FD	N	\$ 512.00	\$ 184.32
3EM24189AC	Isolator Assy 10.5/11 GHz 1+0 (Non-Standby)	N	\$ 256.00	\$ 92.16
3EM24189AD	Isolator Assy 10.5/11 GHz 1+1 HSB, Space Div w/ Combiner	N	\$ 750.00	\$ 270.00
3EM24189AE	Isolator Assy 10.5/11 GHz 2x(1+0), Space Div w/ Combiner	N	\$ 625.00	\$ 225.00
3EM24189AF	Isolator Assy 10.5/11 GHz 1+0, Space Div w/ Combiner	N	\$ 325.00	\$ 117.00
3EM24189AH	Isolator Assy 10.5 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 850.00	\$ 306.00
3EM24189AG	Isolator Assy 11 GHz Hot-Standby w/ Transmit Diversity Antenna	N	\$ 850.00	\$ 306.00
<b>Flange Adapter Kit - Table J3</b>				
3DH04122HA	Flange Adapter CPR-137 1PORT, 6Ghz	N	\$ 250.00	\$ 90.00
3DH04122HB	Flange Adapter CPR-137 2PORT, 6Ghz	N	\$ 500.00	\$ 180.00
3DH04122HC	Flange Adapter CPR-137 3PORT, 6Ghz	N	\$ 600.00	\$ 216.00
3DH04122HD	Flange Adapter CPR-159 1PORT, 6Ghz	N	\$ 200.00	\$ 72.00
3DH04122HE	Flange Adapter CPR-159 2PORT, 6Ghz	N	\$ 500.00	\$ 180.00
3DH04122HF	Flange Adapter CPR-159 3PORT, 6Ghz	N	\$ 600.00	\$ 216.00
3DH04122HG	Flange Adapter CMR-159 1PORT, 6Ghz	N	\$ 200.00	\$ 72.00
3DH04122HH	Flange Adapter CMR-159 2PORT, 6Ghz	N	\$ 350.00	\$ 126.00
3DH04122HI	Flange Adapter CMR-159 3PORT, 6Ghz	N	\$ 450.00	\$ 162.00
3DH04122HJ	Flange Adapter CMR-90 1PORT, 11Ghz	N	\$ 250.00	\$ 90.00
3DH04122HK	Flange Adapter CPR-90 1PORT, 11Ghz	N	\$ 500.00	\$ 180.00
3DH04122HL	Flange Adapter CPR-90 2PORT, 11Ghz	N	\$ 600.00	\$ 216.00
3DH04122HM	Flange Adapter CPR-90 3PORT, 11Ghz	N	\$ 150.00	\$ 54.00
3DH04122HN	Flange Adapter CMR-90 1PORT, 11Ghz	N	\$ 350.00	\$ 126.00
3DH04122HO	Flange Adapter CMR-90 2PORT, 11Ghz	N	\$ 450.00	\$ 162.00
3DH04122HP	Flange Adapter CMR-90 3PORT, 11Ghz	N	\$ 450.00	\$ 162.00
<b>Waveguide - Table H</b>				
3EM24197AA	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 350.00	\$ 126.00
3EM24197AB	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 475.00	\$ 171.00
3EM24191AA	6 GHz E-E BEND WAVEGUIDE ADAPTER	N	\$ 650.00	\$ 234.00
3EM24191AB	6 GHz E-E BEND WAVEGUIDE ADAPTER	N	\$ 650.00	\$ 234.00
3EM24197AC	6 GHz WAVEGUIDE, STRAIGHT	N	\$ 750.00	\$ 270.00
3EM24190AA	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 414.00
3EM24190AB	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 414.00
3EM24190AD	6 GHz E-E-H-H BEND WAVEGUIDE ADAPTER	N	\$ 1,150.00	\$ 414.00
<b>ACCP Lo and U6 GHz</b>				
3DB76151AB	KIT SUPPORT WG R70 UP/DOWN	N	\$ 425.00	\$ 153.00
3DB76152AC	KIT BRANCHING CHI SIDE UP	N	\$ 1,835.00	\$ 660.60
3DB76153AC	KIT BRANCHING CHI DOWN	N	\$ 2,150.00	\$ 774.00
3DB76154AB	KIT EXPANSION BRACKETS CHANNELS 3-5-7 UP/DOWN	N	\$ 385.00	\$ 138.60
3DB76155AB	KIT EXPANSION TX-RX CHANNELS 3-5-7	N	\$ 525.00	\$ 189.00
3DB76156AB	KIT EXPANSION TX-RX CH.2-4-6-8	N	\$ 400.00	\$ 144.00
3DB76157AC	KIT BRANCHING RX-DIV CHI UP	N	\$ 575.00	\$ 207.00
3DB76158AC	KIT BRANCHING RX-DIV CHI DOWN	N	\$ 1,175.00	\$ 423.00
3DB76159AB	KIT EXTENSION RX DIV. CHANNELS 3-5-7	N	\$ 250.00	\$ 90.00
3DB76161AB	KIT EXTENSION RX-DIV CHANNELS 2-4-6-8 UP/DOWN	N	\$ 200.00	\$ 72.00
3DB76285AA	5.9-6.95 GHz circulator	N	\$ 200.00	\$ 72.00
3DB01185AA	WR137 Power Absorber 5.6-7.1 GHz	N	\$ 95.00	\$ 34.20
3DB02412AA	FLANGED STUB L=47MM (x CH2)	N	\$ 55.00	\$ 19.80
3DB02414AA	FLANGED STUB L=141 MM (x CH3)	N	\$ 70.00	\$ 25.20
3DB02415AA	FLANGED STUB L=188 MM (x CH4)	N	\$ 80.00	\$ 28.80
3DB02417AA	FLANGED STUB L=282 MM (x CH5)	N	\$ 100.00	\$ 36.00
3DB02418AA	FLANGED STUB L=329 MM (x CH6)	N	\$ 115.00	\$ 41.40
3DB24240AA	FLANGED STUB L=423 MM (x CH7)	N	\$ 135.00	\$ 48.60
3DB76146AA	FLANGED STUB R70 L=470 MM (x CH8)	N	\$ 200.00	\$ 72.00
3DB76145AA	FLANGED STUB R70 (CPRI37)	N	\$ 225.00	\$ 81.00
3DB76246AA	FLANGED STUB R70 (L=210mm)(CMR137)	N	\$ 85.00	\$ 30.60
3DB76131AA	TUNED 6 CAV FILTER 5.90-6.20 GHz CH 30 MHz	N	\$ 775.00	\$ 279.00
3DB76132AA	TUNED 6 CAV FILTER 6.15-6.45 GHz CH 30 MHz	N	\$ 775.00	\$ 279.00
3DB76286AA	TUNED 6 CAV FILTER 6.4-6.75 GHz CH 30 MHz (BW 25.5MHz)	N	\$ 775.00	\$ 279.00
3DB76287AA	TUNED 6 CAV FILTER 6.7-7.1 GHz CH 30 MHz (BW 25.5 MHz)	N	\$ 775.00	\$ 279.00
3DB76197AA	REJECTION FILTER 3 cav. 6L INF	N	\$ 475.00	\$ 171.00
3DB76198AA	REJECTION FILTER 3 cav. 6L SUP	N	\$ 475.00	\$ 171.00
3DB76113AA	RF Stacking Filter 5925-6175 MHz (XMT or RCY) 60 MHz	N	\$ 725.00	\$ 261.00
3DB76114AA	RF Stacking Filter 6175-6425 MHz (XMT or RCY) 60 MHz	N	\$ 725.00	\$ 261.00
3DB76199AA	REJECTION FILTER 6 CAV. 6L INF (Only for Ch 60 Mhz)	N	\$ 425.00	\$ 153.00
3DB76200AA	REJECTION FILTER 6 CAV. 6L SUP (Only for Ch 60 Mhz)	N	\$ 425.00	\$ 153.00
3CC50266AB	KIT SCREW FOR DOUBLE REJECTION FILTERS	N	\$ 5.00	\$ 1.80
3DB80438AA	SHORTING PLATE KIT	N	\$ 55.00	\$ 19.80
3DB76258AB	KIT BRANCHING TX SPLIT ON RXD 1+0 UP	N	\$ 3,050.00	\$ 1,098.00

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Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
3DB76259AB	KIT BRANCHING TX SPLIT ON RXD 1+0 DOWN	N	\$ 3,850.00	\$ 1,386.00
3DB76261AB	KIT EXP. CONFIG. 3+0 5+0 7+0 UP/DOWN	N	\$ 935.00	\$ 336.60
3DB76260AB	KIT EXP. CONFIG. 2+0 4+0 6+0 8+0 UP/DOWN	N	\$ 815.00	\$ 293.40
3DB76162AA	KIT FIXING BRACKET BRANCH. CONFIG. 5+0 7+0	N	\$ 85.00	\$ 30.60
3DB76262AA	KIT FIX BRACKETS TX ON RXD FOR EVEN CONFIGURATION	N	\$ 95.00	\$ 34.20
1AB441920005	UW ISOLATOR COAX 5,73-6,43GHZ - 51A32-27*20dB	N	\$ 40.23	\$ 14.48
1AB456210001	UW ISOLATOR COAX 5,73-6,43GHZ - 51A32-29*20dB	N	\$ 42.19	\$ 15.19
1AB443880001	UW ISOLATOR COAX 6,43-7,13GHZ - 51A27-06* 20dB	N	\$ 50.54	\$ 18.19
1AB470490001	UW ISOLATOR COAX 6,43-7,13GHZ - 60D294-29* 20dB	N	\$ 46.99	\$ 16.92
<b>ACCP Cable Kits Lower 6 GHz</b>				
3EM23523CA	MPT-HLC ACCP Ch 1, 3, 5, 7 Cable Kit	N	\$ 160.00	\$ 57.60
3EM23523CB	MPT-HLC ACCP Ch 2, 4, 6, 8 Cable Kit	N	\$ 160.00	\$ 57.60
3EM23523CC	6 G MPT-HLC ACCP SD Ch 1,3,5,7 Cable Kit	N	\$ 80.00	\$ 28.80
3EM23523CD	6 G MPT-HLC ACCP SD Ch 2,4,6,8 Cable Kit	N	\$ 80.00	\$ 28.80
<b>ACCP 11 GHz</b>				
3DB76151AB	KIT SUPPORT WG UP/DOWN	N	\$ 425.00	\$ 153.00
3DB76151AC	KIT SUPPORT WG UP/DOWN	N	\$ 425.00	\$ 153.00
3DB76201AB	KIT BRANCHING TX-RX CH1 SIDE UP 11 GHz	N	\$ 1,975.00	\$ 711.00
3DB76202AB	KIT BRANCHING CH1 SIDE DOWN 11 GHz	N	\$ 1,775.00	\$ 639.00
3DB76203AB	KIT EXT. BRACKETS CHANNELS 3-5-7 11 GHz	N	\$ 550.00	\$ 198.00
3DB76204AA	KIT EXT. TX-RX CH 3-5-7 UP/DOWN 11 GHz	N	\$ 945.00	\$ 340.20
3DB76205AA	KIT EXT. TX-RX CH 2-4-6-8 UP/DOWN 11GHz	N	\$ 600.00	\$ 216.00
3DB76206AB	KIT BRANCHING RX-DIV CH1 UP 11 GHz	N	\$ 825.00	\$ 297.00
3DB76207AB	KIT BRANCHING RX-DIV CH1 DOWN 11 GHz	N	\$ 815.00	\$ 293.40
3DB76208AA	KIT EXT RX-DIV. CH 3-5-7 UP/DOWN 11 GHz	N	\$ 475.00	\$ 171.00
3DB76209AA	KIT EXT RX-DIV. CH 2-4-6-8 UP/DOWN 11 GHz	N	\$ 300.00	\$ 108.00
3DB02132AA	11 GHz CIRCULATOR	N	\$ 300.00	\$ 108.00
3DB80566AA	FILTER 11,2-11,7 GHz 6 CAV. BW 40 MHZ	N	\$ 853.60	\$ 307.30
3DB80567AA	FILTER 10,7-11,2 GHz 6 CAV. BW 40 MHZ	N	\$ 853.60	\$ 307.30
3DB76228AA	FILTER 11,2-11,7 GHz 6 CAV. BW 40 MHZ	N	\$ 1,325.00	\$ 477.00
3DB76229AA	FILTER 10,7-11,2 GHz 6 CAV. BW 40 MHZ	N	\$ 1,325.00	\$ 477.00
3DB02189AA	TERMINATION 11-13GHz WR75	N	\$ 125.00	\$ 45.00
3DB76215AA	FLANGED STUB R120 L=261mm (TX-RX and RXD - UP)	N	\$ 175.00	\$ 63.00
3DB76223AA	DOUBLE BEND E PLANE R120 (TX-RX - DOWN)	N	\$ 485.00	\$ 174.60
3DB76224AA	DOUBLE BEND E PLANE R120 (RXD - DOWN)	N	\$ 485.00	\$ 174.60
3DB76222AA	FLANGED STUB R120 L=39mm (2CH)	N	\$ 145.00	\$ 52.20
3DB76216AA	FLANGED STUB R120 L=141mm (3CH)	N	\$ 150.00	\$ 54.00
3DB76217AA	FLANGED STUB R120 L=180mm (4CH)	N	\$ 150.00	\$ 54.00
3DB76218AA	FLANGED STUB R120 L=282mm (5CH)	N	\$ 165.00	\$ 59.40
3DB76219AA	FLANGED STUB R120 L=321mm (6CH)	N	\$ 165.00	\$ 59.40
3DB76220AA	FLANGED STUB R120 L=423mm (7CH)	N	\$ 175.00	\$ 63.00
3DB76221AA	FLANGED STUB R120 L=462mm (8CH)	N	\$ 175.00	\$ 63.00
3DB80699AA	CLOSED KIT CHANNEL CIRCULATOR	N	\$ 47.80	\$ 17.21
3DB76266AA	FLANGED STUB R120 L=705mm (11CH)	N	\$ 175.00	\$ 63.00
<b>ACCP Cable Kits 11 GHz</b>				
3EM23523CE	MPT-HLC ACCP Ch 1, 3, 5, 7 Cable Kit	N	\$ 160.00	\$ 57.60
3EM23523CF	MPT-HLC ACCP Ch 2, 4, 6, 8 Cable Kit	N	\$ 160.00	\$ 57.60
3EM23523CG	11 G MPT-HLC ACCP SD Ch 1,3,5,7 Cable Kit	N	\$ 80.00	\$ 28.80
3EM23523CH	11 G MPT-HLC ACCP SD Ch 2,4,6,8 Cable Kit	N	\$ 80.00	\$ 28.80
<b>MPT-HCv2 5.8G 64MHz</b>				
3DB20913BA	MPT-HC V2 5,8GHz 5725.5-5785.5	Y	\$ 9,230.00	\$ 3,322.80
3DB20914BA	MPT-HC V2 5,8GHz 5789.5-5849.5	Y	\$ 9,230.00	\$ 3,322.80
3DB20913BB	MPT-HC V2 5,8GHz 5725.5-5785.5 (GR-3108 version)	Y	\$ 9,230.00	\$ 3,322.80
3DB20914BB	MPT-HC V2 5,8GHz 5789.5-5849.5 (GR-3108 version)	Y	\$ 9,230.00	\$ 3,322.80
<b>MPT-HCv2 5.8 GHz Diplexers- Table E4</b>				
3DB20752BA	5.8GHz CH1-1P P.SH.64MHz 5725.5-5755.5 / 5789.5-5819.5	N	\$ 1,800.00	\$ 648.00
3DB20752BB	5.8GHz CH2-2P P.SH.64MHz 5755.5-5785.5 / 5819.5-5849.5	N	\$ 1,800.00	\$ 648.00
3DB20752BC	5.8GHz CH1-1P P.SH.64MHz 5725.5-5755.5 / 5789.5-5819.5 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
3DB20752BD	5.8GHz CH2-2P P.SH.64MHz 5755.5-5785.5 / 5819.5-5849.5 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
<b>MPT-HCv2 1.6 GHz Diplexers- Table E4</b>				
3DB20753BA	5929.96-6050 / 6182-6302.04	N	\$ 1,800.00	\$ 648.00
3DB20753BB	6032.96-6168 / 6285-6420.04	N	\$ 1,800.00	\$ 648.00
3DB20753BD	5929.96-6050 / 6182-6302.04 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
3DB20753BE	6032.96-6168 / 6285-6420.04 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
<b>MPT-HCv2 0.6 160GHz Diplexers- Table E4</b>				
3DB20756BA	6540-6610 / 6710-6780	N	\$ 1,800.00	\$ 648.00
3DB20756BB	6590-6660 / 6750-6820	N	\$ 1,800.00	\$ 648.00
3DB20756BC	6640-6710 / 6800-6870	N	\$ 1,800.00	\$ 648.00
3DB20756BD	6540-6610 / 6710-6780 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
3DB20756BE	6590-6660 / 6750-6820 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00

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Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
3DB20756BF	6640-6710 / 6800-6870 (GR-3108 version)	N	\$ 1,800.00	\$ 648.00
<b>MPT-HC/2-U6 340 GHz Duplexers- Table E4</b>				
3DB20755BA	6420-6600, 1 / 6760-6940, 1P (for HC only)	N	\$ 1,800.00	\$ 648.00
3DB20755BB	6565-6720, 2 / 6905-7060, 2P (for HC only)	N	\$ 1,800.00	\$ 648.00
3DB20755BC	6595-6775, 3 / 6935-7115, 3P (for HC only)	N	\$ 1,800.00	\$ 648.00
3DB20755BG	6420-6600, 1 / 6760-6940, 1P (for HC & XP)	N	\$ 1,800.00	\$ 648.00
3DB20755BH	6565-6720, 2 / 6905-7060, 2P (for HC & XP)	N	\$ 1,800.00	\$ 648.00
3DB20755BJ	6595-6775, 3 / 6935-7115, 3P (for HC & XP)	N	\$ 1,800.00	\$ 648.00
<b>MPT-HC/XP-HQAM 6GHz</b>				
3DB20800DA	MPT-HC-HQAM L6GHz low	Y	\$ 9,230.00	\$ 3,322.80
3DB20802DA	MPT-HC-HQAM L6GHz high	Y	\$ 9,230.00	\$ 3,322.80
3DB20760DA	MPT-XP-HQAM L6GHz low	Y	\$ 11,730.00	\$ 4,222.80
3DB20761DA	MPT-XP-HQAM L6GHz high	Y	\$ 11,730.00	\$ 4,222.80
3DB20804DA	MPT-HC-HQAM U6GHz low	Y	\$ 9,230.00	\$ 3,322.80
3DB20806DA	MPT-HC-HQAM U6GHz high	Y	\$ 9,230.00	\$ 3,322.80
3DB20763DA	MPT-XP-HQAM U6GHz low	Y	\$ 11,730.00	\$ 4,222.80
3DB20764DA	MPT-XP-HQAM U6GHz high	Y	\$ 11,730.00	\$ 4,222.80
<b>MPT-HC/XP-HQAM 11GHz</b>				
3DB22000DA	MPT-HC-HQAM 11GHz low	Y	\$ 9,230.00	\$ 3,322.80
3DB22001DA	MPT-HC-HQAM 11GHz high	Y	\$ 9,230.00	\$ 3,322.80
3DB22002DA	MPT-XP-HQAM 11GHz low	Y	\$ 11,730.00	\$ 4,222.80
3DB22003DA	MPT-XP-HQAM 11GHz high	Y	\$ 11,730.00	\$ 4,222.80
<b>MPT-HC/XP-HQAM 18GHz</b>				
3DB20432DA	MPT-HC-HQAM 18GHz 1560 1/P	Y	\$ 9,200.00	\$ 3,312.00
3DB20433DA	MPT-HC-HQAM 18GHz 1560 1P/1	Y	\$ 9,200.00	\$ 3,312.00
<b>MPT-HC/XP-HQAM 23GHz</b>				
3DB20473DA	MPT-HC-HQAM 23GHz 1200 1/P	Y	\$ 9,200.00	\$ 3,312.00
3DB20474DA	MPT-HC-HQAM 23GHz 1200 2/2P	Y	\$ 9,200.00	\$ 3,312.00
3DB20475DA	MPT-HC-HQAM 23GHz 1200 1P/1	Y	\$ 9,200.00	\$ 3,312.00
3DB20476DA	MPT-HC-HQAM 23GHz 1200 2P/2	Y	\$ 9,200.00	\$ 3,312.00
<b>MPT-HC/XP-HQAM 11 GHz Diplexer</b>				
3DB20991BD	11 GHz : 10695 - 10961 / 11199 - 11485	Y	\$ 1,800.00	\$ 648.00
3DB20991BE	11 GHz : 10933 - 11200 / 11430 - 11705	Y	\$ 1,800.00	\$ 648.00
3DB20991BF	11GHz CH3-3P SH 490-530MHz (ANSI special apps)	Y	\$ 1,800.00	\$ 648.00
<b>MPT-HC Coupler-Equal 3:3 Table E10</b>				
3CC58276AA	5.8GHz 3dB coupler	N	\$ 1,080.00	\$ 388.80
3CC13473AA	18-25GHz 3dB coupler	N	\$ 1,316.86	\$ 474.07
3CC58276AC	coupler 3 dB 5.7-7.1 GHz GR3108	N	\$ 1,080.00	\$ 388.80
3CC58224AB	coupler 3 dB 10-11.7 GHz flat GR3108	N	\$ 1,964.00	\$ 707.04
3CC13473AC	18/23/25 GHz 3dB COUPLER GR3108	N	\$ 405.00	\$ 145.80
<b>MPT-HC Coupler Unequal 1:10 Table E9</b>				
3CC58276AB	5.8GHz 10dB coupler	N	\$ 1,024.00	\$ 368.64
3CC13473AB	18-25GHz 10dB coupler	N	\$ 652.48	\$ 234.89
3CC58056AD	Coupler 10dB 6 GHz GR3108	N	\$ 1,082.43	\$ 389.67
3CC58276AD	coupler 10 dB 5.7-7.1 GHz GR3108	N	\$ 1,316.35	\$ 473.89
3CC14140AD	11GHz 10dB coupler GR3108	N	\$ 1,894.12	\$ 681.88
3CC58226AB	coupler 10 dB 10-11.7 GHz flat GR3108	N	\$ 1,964.00	\$ 707.04
3CC13473AD	18/23/25 GHz 10dB COUPLER GR3108	N	\$ 675.27	\$ 243.10
<b>MPT-HC 4x OMT Table E12</b>				
3CC58244AA	OMT-C 6LGHz	N	\$ 10,064.25	\$ 3,623.13
3CC58266AA	OMT-C U6 GHz	N	\$ 10,064.25	\$ 3,623.13
3CC58200AA	OMT-C 11GHz	N	\$ 2,236.28	\$ 805.06
3CC58201AA	OMT-C 18GHz	N	\$ 6,638.49	\$ 2,389.86
3CC58202AA	OMT-C 23GHz	N	\$ 2,236.28	\$ 805.06
<b>MPT-HC 2x OMT Table E11</b>				
3CC58134AA	OMT 6LGHz	N	\$ 2,370.00	\$ 853.20
3CC58186AA	OMT 6UGHz	N	\$ 2,370.00	\$ 853.20
3CC58161AA	OMT 11GHz	N	\$ 1,555.00	\$ 559.80
3CC58229AA	OMT 11 GHz - flat	N	\$ 1,555.00	\$ 559.80
3CC58164AA	OMT 18GHz	N	\$ 1,555.00	\$ 559.80
3CC58165AA	OMT 23GHz	N	\$ 1,555.00	\$ 559.80
<b>MPT-HC OMT Coupler Termination-Table E13</b>				
3CC58225AA	6 GHz 50 Ohm Termination	N	\$ 405.00	\$ 145.80
3CC58223AA	11 GHz 50 Ohm Termination	N	\$ 405.00	\$ 145.80
3CC58221AA	18/25 GHz 50 Ohm Termination	N	\$ 405.00	\$ 145.80

**The 9500 MPR Family**

Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
<b>MPT-HC Mounting Table E7</b>				
3DB10137AB	Non-integrated Pole Mount (GR-3108)	N	\$ 300.00	\$ 108.00
3CC50172AA	5.8 GHz N-Type nose adapter	N	\$ 503.00	\$ 181.08
3DB01460AB	6 GHz Nose for not integrated ant	N	\$ 283.50	\$ 102.06
3CC50125AA	11GHz nose WR90 (flange UBR100)	N	\$ 270.00	\$ 97.20
3CC50178AA	18-23 GHz nose adapter	N	\$ 520.00	\$ 187.20
3EM24705AA	Rack mount panel / Star adapter kit	N	\$ 490.00	\$ 176.40
3EM24705AB	ODU RACK MOUNT MPT-HC/MPRe 6 GHz	N	\$ 490.00	\$ 176.40
<b>Outdoor.PdE</b>				
3DB19194AA	PD-9501GO/FP/AC-NA	N	\$ 850.00	\$ 306.00
3DB19195AA	PD-OUT-MBK	N	\$ 160.00	\$ 57.60
<b>MPT-HC Cables</b>				
3CC52191AA	Light Service alignment kit with LEMO connector	N	\$ 284.00	\$ 102.24
<b>MPT-HC CAT5e IM Table A6</b>				
1AC016760006	Cat5e cable - GLP is per foot	N	\$ 1.15	\$ 0.84
1AD040130004	Ground kit - (qty 3 per run, based on length)	N	\$ 58.52	\$ 21.07
3CC50251AA	Ground kit, 2M - (qty 3 per run, based on length)	N	\$ 60.00	\$ 21.60
1AB074610027	RJ-45 connector for indoor and outdoor ends of cat5e	N	\$ 8.17	\$ 2.94
1AB150990002	R2CT connector protection for RJ45 outdoor	N	\$ 34.36	\$ 12.37
1AD160490001	Tool HIROSE RJ45 IDU-ODU cable assembling	N	\$ 2,064.15	\$ 743.09
<b>MPT-HC CAT5e Cords A4</b>				
3CC52199AE	3m Preassembled CAT5e R2TC/RJ45	N	\$ 232.00	\$ 83.52
3CC52199AF	5m Preassembled CAT5e R2TC/RJ45	N	\$ 244.00	\$ 87.84
3CC52199AG	10m Preassembled CAT5e R2TC/RJ45	N	\$ 272.00	\$ 97.92
3CC52199AH	18m Preassembled CAT5e R2TC/RJ45	N	\$ 308.00	\$ 110.88
3CC52199AA	25m Preassembled CAT5e R2TC/RJ45	N	\$ 418.00	\$ 150.48
3CC52199AJ	40m Preassembled CAT5e R2TC/RJ45	N	\$ 500.00	\$ 180.00
3CC52199AB	50m Preassembled CAT5e R2TC/RJ45	N	\$ 745.00	\$ 268.20
3CC52199AC	75m Preassembled CAT5e R2TC/RJ45	N	\$ 1,081.00	\$ 389.16
3CC52199AD	100m Preassembled CAT5e R2TC/RJ45	N	\$ 1,408.00	\$ 506.88
<b>MPT-HC CAT5e Cords A4</b>				
3CC52170BA	Preassembled fiber cord LC-LC/Q-XCO 80m (multimode)	N	\$ 875.00	\$ 315.00
3CC52170BB	Preassembled fiber cord LC-LC/Q-XCO 100m (multimode)	N	\$ 895.00	\$ 322.20
3CC52170BC	Preassembled fiber cord LC-LC/Q-XCO 120m (pref) (multimode)	N	\$ 901.75	\$ 324.63
3CC52170BD	Preassembled fiber cord LC-LC/Q-XCO 140m (multimode)	N	\$ 1,034.00	\$ 372.24
3CC52170BE	Preassembled fiber cord LC-LC/Q-XCO 160m (multimode)	N	\$ 1,141.00	\$ 410.76
3CC52170BF	Preassembled fiber cord LC-LC/Q-XCO 180m (multimode)	N	\$ 1,248.50	\$ 449.46
3CC52170BG	Preassembled fiber cord LC-LC/Q-XCO 200m (pref) (multimode)	N	\$ 1,357.50	\$ 488.70
3CC52170BH	Preassembled fiber cord LC-LC/Q-XCO 220m (multimode)	N	\$ 1,470.00	\$ 529.20
3CC52170BI	Preassembled fiber cord LC-LC/Q-XCO 240m (multimode)	N	\$ 1,631.80	\$ 587.45
3CC52170BJ	Preassembled fiber cord LC-LC/Q-XCO 250m (multimode)	N	\$ 1,901.20	\$ 684.43
3CC52170BK	Preassembled fiber cord LC-LC/Q-XCO 300m (multimode)	N	\$ 851.00	\$ 306.36
3CC52170BL	Preassembled fiber cord LC-LC/Q-XCO 50m (multimode)	N	\$ 729.00	\$ 262.44
3CC52170BM	Preassembled fiber cord LC-LC/Q-XCO 25m (multimode)	N	\$ 1,810.00	\$ 651.60
3CC52121AB	Preassembled fiber cord LC-LC/Q-XCO 400m (singlemode)	N	\$ 2,100.00	\$ 756.00
3CC52121AC	Preassembled fiber cord LC-LC/Q-XCO 480m (singlemode)	N	\$ 199.26	\$ 71.73
3CC50097AA	Fiber storage - pole/wall mount (100m)	N	\$ 313.71	\$ 112.94
3CC50095AA	Fiber storage - rack mount (25 m)	N		
<b>MPT-HC RPS Cables Table E5</b>				
3CC52169BA	RPS LC-LC optical jumper preassembled L=1m	N	\$ 161.33	\$ 58.08
3CC52169BB	RPS LC-LC optical jumper preassembled L=10m	N	\$ 229.50	\$ 82.62
3CC52169BC	RPS LC-LC optical jumper preassembled L=20m	N	\$ 290.25	\$ 104.49
<b>MPT-HC XPIC Cables Table E5</b>				
3CC52186CA	XPIC cable 1 m	N	\$ 140.94	\$ 50.74
3CC52186CB	XPIC cable 2.5 m	N	\$ 318.50	\$ 114.66
3CC52186CC	XPIC cable 8 m	N	\$ 295.00	\$ 106.20
<b>MPT-HC Battery IM</b>				
3CC50030AA	Lightning Arrestor when batt on coaxial cable	N	\$ 116.00	\$ 84.68
1AB251350001	LPF for batt, 2 wire N adapter (filters 48v from ODU)	N	\$ 295.00	\$ 106.20
1AB328430001	Lightning arrestor RJ-45 router output (MPRe)	N	\$ 725.25	\$ 261.09
3CC50158AA	Support for 1AB37230001 LA, max 8 LA	N	\$ 56.00	\$ 20.16
3CC52188AA	N- to Free Wire	N	\$ 85.73	\$ 30.86
3CC52159AA	Pig-tail, 2 wires to N-connector, 4 m (batt to N then LA, LPF...)	N	\$ 113.00	\$ 40.68
3CC52167AA	N- to RJ45	N	\$ 182.00	\$ 65.52
<b>SOFTWARE R5.0r - Table B</b>				
3DB18970BGAD	9500 MPR R5.2.0 SW ICS04 CD Kit	N	\$ 1,500.00	\$ 540.00
3EM23086ARAD	9500 MPR R5.2.0 ICS04 Flash Card	N	\$ 100.00	\$ 36.00
3DB18970BGBD	9500 MPR R5.2.0 ICS04 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 360.00



### The 9500 MPR Family

Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
<b>SOFTWARE R6.0x - Table B</b>				
3DB23386AAAC	9500 MPR R6.0.0 uSD Card for CorEvo-10G ICS03	N	\$ 100.00	\$ 36.00
3DB18970BHAC	9500 MPR R6.0 SW CD Kit (MSS1/4/8) ICS03	N	\$ 1,500.00	\$ 540.00
3DB18970BHBC	9500 MPR R6.0 SW Electronic Delivery Kit ICS03	N	\$ 1,000.00	\$ 360.00
3EM23086ASAC	9500 MPR R6.0.0 Flash Card ICS03	N	\$ 100.00	\$ 36.00
3DB23386ABAC	9500 MPR R6.1.0 uSD Card for CorEvo-10G ICS03	N	\$ 100.00	\$ 36.00
3DB18970BJAC	9500 MPR R6.1 SW CD Kit (MSS1/4/8) ICS03	N	\$ 1,500.00	\$ 540.00
3DB18970BJBC	9500 MPR R6.1 SW Electronic Delivery Kit ICS03	N	\$ 1,000.00	\$ 360.00
3EM23086ATAC	9500 MPR R6.1.0 Flash Card ICS03	N	\$ 100.00	\$ 36.00
<b>SOFTWARE R7.0x - Table B</b>				
3DB23386ACAA	9500 MPR R7.0.0 uSD Card for CorEvo-10G	N	\$ 100.00	\$ 36.00
3DB18970BKAA	9500 MPR R7.0 SW CD Kit (MSS1/4/8)	N	\$ 1,500.00	\$ 540.00
3DB18970BKBA	9500 MPR R7.0 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 360.00
3EM23086AUAA	9500 MPR R7.0.0 Flash Card	N	\$ 100.00	\$ 36.00
3DB23386ADAA	9500 MPR R7.1.0 uSD Card for CorEvo-10G	N	\$ 100.00	\$ 36.00
3DB18970BLAA	9500 MPR R7.1 SW CD Kit	N	\$ 1,500.00	\$ 540.00
3DB18970BLBA	9500 MPR R7.1 SW Electronic Delivery Kit	N	\$ 1,000.00	\$ 360.00
3EM23086AVAA	9500 MPR R7.1.0 Flash Card	N	\$ 100.00	\$ 36.00
<b>SOFTWARE R8.0x - Table B</b>				
3DB23386AEAB	9500 MPR R8.0.0 uSD Card for CorEvo-10G ICS02	N	\$ 100.00	\$ 36.00
3DB18970BMAAB	9500 MPR R8.0 SW CD Kit (MSS1/4/8) ICS02	N	\$ 1,500.00	\$ 540.00
3DB18970BMBB	9500 MPR R8.0 SW Electronic Delivery Kit ICS02	N	\$ 1,000.00	\$ 360.00
3EM23086AWAB	9500 MPR R8.0.0 Flash Card ICS02	N	\$ 100.00	\$ 36.00
<b>MISC RTU</b>				
3EM23067AAAA	9500 MPR CT License (Per PC Installed)	N	\$ 500.00	\$ -
3EM24226AA	Microwave Factory Test Certificate	N	\$ 1,500.00	\$ -
3EM24592AAAB	9500 MPR Software Subscription (Per Node)	N	\$ 500.00	\$ 180.00
3EM24745AAAA	9500 MPR OS License	N	\$ 1,500.00	\$ 540.00
3MU00146AAAA	MPT on MSS-O RTU	N	\$ 3,000.00	\$ 1,080.00
3MU00147AAAA	MPT Spectrum Analyzer Tool RTU	N	\$ 3,000.00	\$ 1,080.00
<b>RTUs - per ODU or RF Transceiver - Table B1</b>				
3EM23068AAAA	RTU 40Mbps TRX Capacity	N	\$ 75.00	\$ 27.00
3EM23068ABAA	RTU 80Mbps TRX Capacity	N	\$ 500.00	\$ 180.00
3EM23068ACAA	RTU 120Mbps TRX Capacity	N	\$ 2,000.00	\$ 720.00
3EM23068ADAA	RTU 160Mbps TRX Capacity	N	\$ 3,500.00	\$ 1,260.00
3EM23068AFAA	RTU 220Mbps TRX Capacity	N	\$ 4,250.00	\$ 1,530.00
3EM23068AEAA	RTU 320Mbps TRX Capacity	N	\$ 5,000.00	\$ 1,800.00
3EM23068AGAA	RTU 450Mbps TRX Capacity	N	\$ 6,500.00	\$ 2,340.00
3EM23068AHAA	RTU 500Mbps TRX Capacity	N	\$ 7,000.00	\$ 2,520.00
3EM23261AAAA	9500 MPR 5.8GHz Unlicensed RTU (MPT-HL only)	N	\$ 1,500.00	\$ 540.00
3EM23073AAAA	9500 MPR Adaptive Modulation RTU	N	\$ 1,500.00	\$ 540.00
3MU00086AAAA	9500 MPR MSP Ring RTU	N	\$ 1,500.00	\$ 540.00
3MU00092AAAA	9500 MPR Packet Throughput Booster RTU	N	\$ 4,000.00	\$ 1,440.00
3MU00122AAAA	9500 MPR XPIC RTU	N	\$ 1,200.00	\$ 432.00
3MU00121AAAA	9500 MPR AES RTU	N	\$ 5,000.00	\$ 1,800.00
3MU00148AAAA	1588 TC RTU	N	\$ 1,500.00	\$ 540.00
3MU00149AAAA	1588 BC RTU (MPR 7.1 and greater)	N	\$ 2,000.00	\$ 720.00
3MU00154AAAA	9500 MPR RTU 10G Interface	N	\$ 2,500.00	\$ 900.00
3MU00155AAAA	9500 MPR RTU MSS-O L1 LAG	N	\$ 2,500.00	\$ 900.00
3MU00156AAAA	9500 MPR RTU 5+ L1 LAG	N	\$ 5,500.00	\$ 1,980.00
<b>Upgrade RTUs - Table B2</b>				
3EM23577AAAA	RTU 40Mbps TRX Capacity Upgrade	N	\$ 80.00	\$ 28.80
3EM23577ABAA	RTU 80Mbps TRX Capacity Upgrade	N	\$ 500.00	\$ 180.00
3EM23577ACAA	RTU 120Mbps TRX Capacity Upgrade	N	\$ 2,000.00	\$ 720.00
3EM23577ADAA	RTU 160Mbps TRX Capacity Upgrade	N	\$ 3,500.00	\$ 1,260.00
3EM23577BBAA	RTU 220Mbps TRX Capacity Upgrade	N	\$ 4,250.00	\$ 1,530.00
3EM23577AEAA	RTU 320Mbps TRX Capacity Upgrade	N	\$ 5,000.00	\$ 1,800.00
3EM23577BCAA	RTU 450Mbps TRX Capacity Upgrade	N	\$ 6,500.00	\$ 2,340.00
3EM23577BTAA	RTU 500Mbps TRX Capacity Upgrade	N	\$ 7,000.00	\$ 2,520.00
3EM23577AFAA	9500 MPR Adaptive Modulation RTU Upgrade	N	\$ 1,500.00	\$ 540.00
3EM23577AGAA	9500 MPR 5.8GHz Unlicensed RTU Upgrade	N	\$ 1,500.00	\$ 540.00
3EM23577AUAA	9500 MPR MSP Ring RTU Upgrade	N	\$ 1,500.00	\$ 540.00
3EM23577AVAA	9500 MPR Packet Throughput Booster RTU Upgrade	N	\$ 4,000.00	\$ 1,440.00
3EM23577AYAA	9500 MPR XPIC RTU Upgrade	N	\$ 1,200.00	\$ 432.00
3EM23577AZAA	9500 MPR AES RTU Upgrade	N	\$ 5,000.00	\$ 1,800.00
3EM23577BPAA	1588 TC Upgrade	N	\$ 1,500.00	\$ 540.00
3EM23577BQAA	1588 BC Upgrade (MPR 7.1 and greater)	N	\$ 2,000.00	\$ 720.00
3EM23577BUAA	9500 MPR RTU 10G Interface Upgrade	N	\$ 2,500.00	\$ 900.00
3EM23577BVAA	9500 MPR RTU MSS-O L1 LAG Upgrade	N	\$ 1,000.00	\$ 360.00
3EM23577BWAA	9500 MPR RTU 5+ L1 LAG Upgrade	N	\$ 5,500.00	\$ 1,980.00



**The 9500 MPR Family**

Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
<b>Capacity Upgrades - Table B3</b>				
3EM23577AHAA	Capacity Upgrade MPR-TR-40T80	N	\$ 420.00	\$ 151.20
3EM23577AJAA	Capacity Upgrade MPR-TR-40T120	N	\$ 1,920.00	\$ 691.20
3EM23577AKAA	Capacity Upgrade MPR-TR-40T160	N	\$ 3,420.00	\$ 1,231.20
3EM23577ALAA	Capacity Upgrade MPR-TR-40T320	N	\$ 4,920.00	\$ 1,771.20
3EM23577AMAA	Capacity Upgrade MPR-TR-80T120	N	\$ 1,500.00	\$ 540.00
3EM23577ANAA	Capacity Upgrade MPR-TR-80T160	N	\$ 3,000.00	\$ 1,080.00
3EM23577APAA	Capacity Upgrade MPR-TR-80T320	N	\$ 4,500.00	\$ 1,620.00
3EM23577AQAA	Capacity Upgrade MPR-TR120T160	N	\$ 1,500.00	\$ 540.00
3EM23577ARAA	Capacity Upgrade MPR-TR120T320	N	\$ 3,000.00	\$ 1,080.00
3EM23577ASAA	Capacity Upgrade MPT-TR160T320	N	\$ 1,500.00	\$ 540.00
3EM23577BDAA	Capacity Upgrade MPR-TR-40T220	N	\$ 4,170.00	\$ 1,501.20
3EM23577BEAA	Capacity Upgrade MPR-TR-80T220	N	\$ 3,750.00	\$ 1,350.00
3EM23577BFAA	Capacity Upgrade MPR-TR-120T220	N	\$ 2,250.00	\$ 810.00
3EM23577BGAA	Capacity Upgrade MPR-TR-160T220	N	\$ 750.00	\$ 270.00
3EM23577BHAA	Capacity Upgrade MPR-TR-40T450	N	\$ 6,420.00	\$ 2,311.20
3EM23577BJAA	Capacity Upgrade MPR-TR-80T450	N	\$ 6,000.00	\$ 2,160.00
3EM23577BKAA	Capacity Upgrade MPR-TR-120T450	N	\$ 4,500.00	\$ 1,620.00
3EM23577BLAA	Capacity Upgrade MPR-TR-160T450	N	\$ 3,000.00	\$ 1,080.00
3EM23577BMAA	Capacity Upgrade MPR-TR-220T450	N	\$ 2,250.00	\$ 810.00
3EM23577BNAA	Capacity Upgrade MPR-TR-320T450	N	\$ 1,500.00	\$ 540.00
3EM23577BYAA	Capacity Upgrade MPR-TR-40T500	N	\$ 6,920.00	\$ 2,491.20
3EM23577BZAA	Capacity Upgrade MPR-TR-80T500	N	\$ 6,500.00	\$ 2,340.00
3EM23577CAA	Capacity Upgrade MPR-TR-120T500	N	\$ 5,000.00	\$ 1,800.00
3EM23577CBAA	Capacity Upgrade MPR-TR-160T500	N	\$ 3,500.00	\$ 1,260.00
3EM23577CCAA	Capacity Upgrade MPR-TR-220T500	N	\$ 2,750.00	\$ 990.00
3EM23577CDA	Capacity Upgrade MPR-TR-320T500	N	\$ 2,000.00	\$ 720.00
3EM23577CEAA	Capacity Upgrade MPR-TR-450T500	N	\$ 500.00	\$ 180.00
<b>DOCUMENTATION (1 Per NE) - Table K3</b>				
3EM23951APAA	9500 MPR 5.2 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275AAAA	9500 MPR 6.0 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275ABAA	9500 MPR 6.1 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275ACAA	9500 MPR 7.0 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275ADAA	9500 MPR 7.1 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
3DB19275AEAA	9500 MPR 8.0 O&M Manual Electronic Delivery OLCS	N	\$ 90.00	\$ 32.40
<b>Tributary Options OPTICS - Table A1</b>				
3EM20277AA	Optics SFP GigE 850 NM Multimode 550 Meter	Y	\$ 225.00	\$ 164.25
3EM20277AB	Optics SFP GigE 1310 NM Singlemode 10 Kilometer	Y	\$ 225.00	\$ 164.25
3EM23141AA	SFP Copper Cable, 0.5 M	N	\$ 200.00	\$ 146.00
3EM23141AB	SFP Copper Cable, 1.0 M	N	\$ 210.00	\$ 153.30
3EM23141AC	SFP Copper Cable, 1.5 M	N	\$ 215.00	\$ 156.95
3EM23141AG	SFP Copper Cable, 2.0 M	N	\$ 220.00	\$ 160.60
3EM23141AD	SFP Copper Cable, 3.0 M	N	\$ 225.00	\$ 164.25
3CC50167AA	Optical SFP (850 MM) for use in ODU - MPT-HC	Y	\$ 70.00	\$ 51.10
3CC50168AA	Opt SFP 1000Base-LX for use in ODU - MPT-HC	Y	\$ 225.00	\$ 164.25
3CC50169AA	Copper SFP (Finisar) - not for use on ODU	Y	\$ 126.00	\$ 91.98
3CC50166AA	OC3 optical SFP, L.1.1 (Was 1AB194670005)	Y	\$ 100.00	\$ 73.00
3CC50165AA	OC3 optical SFP, S.1.1	Y	\$ 55.00	\$ 40.15
3AL82027AA	SFP+ 10GBASE-SR	Y	\$ 638.00	\$ 465.74

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Part No	Description	Spare	MSRP	MSRP	MSRP
				MSRP	Unit Price
3AL82026AA	SFP+ 10GBASE-LR	Y	\$	1,450.00	\$ 1,058.50
3CC50183AA	SFP 1000Base-BX20-U	Y	\$	232.00	\$ 169.36
3CC50184AA	SFP 1000Base-BX20-D	Y	\$	232.00	\$ 169.36
3CC50198AA	SFP 1000Base-BX40-U	Y	\$	292.00	\$ 213.16
3CC50199AA	SFP 1000Base-BX40-D	Y	\$	292.00	\$ 213.16
<b>Tributary Options DSI Cables/Supplies - Table A1</b>					
1AF15245AB	32 E1/T1 Protection Panel - RJ45	N	\$	727.16	\$ 530.83
3DB16102AA	32 E1/T1 Protection Panel - D-Connector	N	\$	647.00	\$ 472.31
3MU00173AA	DS1 Protection Panel 68 SCSI to 37 D-Sub	N	\$	647.00	\$ 472.31
3CC52118AA	E1/T1 SCSI-SCSI Interface Cable (16 T1/E1 per Cable)	N	\$	133.07	\$ 97.14
3EM21339AA	16 DS1 Cable Stub (SCSI-Open) 25' Main Side	N	\$	268.00	\$ 195.64
3EM21339AB	16 DS1 Cable Stub (SCSI-Open) 25' Spare Side	N	\$	268.00	\$ 195.64
3EM21339AC	16 DS1 Cable Stub (SCSI-Open) 50' Main Side	N	\$	482.00	\$ 351.86
3EM21339AD	16 DS1 Cable Stub (SCSI-Open) 50' Spare Side	N	\$	482.00	\$ 351.86
3EM23110AA	8 DS1 Cable Assembly (D-Open) 15'	N	\$	140.00	\$ 102.20
3EM23110AB	8 DS1 Cable Assembly (D-Open) 30'	N	\$	224.00	\$ 163.52
3EM23110AC	8 DS1 Cable Assembly (D-Open) 50'	N	\$	268.00	\$ 195.64
3EM23110AD	8 DS1 Cable Assembly (D-Open) 100'	N	\$	600.00	\$ 438.00
<b>Tributary Options DS3 Cables/Supplies - Table A1</b>					
3EM22900AA	DS3 Protection Splitter Cable	N	\$	150.00	\$ 109.50
3EM22687AA	DS3 BNC to Mini-BNC Cable - 2 Meter	N	\$	50.00	\$ 36.50
3EM22687AB	DS3 BNC to Mini-BNC Cable - 5 Meter	N	\$	109.00	\$ 79.57
3EM24462AA	DS3 Grooming Panel Kit	N	\$	75.00	\$ 54.75
<b>Tributary Options Sync Cables - Table A1</b>					
3DB05850AA	9500 MPR Sync Cable	N	\$	17.00	\$ 12.41
3DB18204AA	9500 MPR Sync Y-Cable	N	\$	100.00	\$ 73.00
3DB04295AA	9500 MPR Sync Cable (1.0/2.3 - 1.0/2.3) 1.1m	N	\$	40.00	\$ 29.20
3DB02901AA	9500 MPR Sync Cable (1.0/2.3 - 1.0/2.3) 6.0m	N	\$	70.00	\$ 51.10
3CC52203AA	9500 MPR Sync Cable for Sync SFP	N	\$	33.00	\$ 24.09
<b>Tributary Options Ethernet Cables/Supplies - Table A1</b>					
3MU00085AA	1 ft RJ45 Cat5e Cable	N	\$	30.00	\$ 21.90
3MU00085AB	2 ft RJ45 Cat5e Cable	N	\$	35.00	\$ 25.55
3MU00085AC	3 ft RJ45 Cat5e Cable	N	\$	40.00	\$ 29.20
3MU00085AD	6 ft RJ45 Cat5e Cable	N	\$	45.00	\$ 32.85
3MU00085AE	10 ft RJ45 Cat5e Cable	N	\$	50.00	\$ 36.50
3MU00085AF	20 ft RJ45 Cat5e Cable	N	\$	55.00	\$ 40.15
3MU00085AG	30 ft RJ45 Cat5e Cable	N	\$	60.00	\$ 43.80
3MU00085AH	50 ft RJ45 Cat5e Cable	N	\$	90.00	\$ 65.70
3MU00085AJ	70 ft RJ45 Cat5e Cable	N	\$	120.00	\$ 87.60
3MU00085AK	100 ft RJ45 Cat5e Cable	N	\$	150.00	\$ 109.50
3MU00085AL	200 ft RJ45 Cat5e Cable	N	\$	250.00	\$ 182.50
3MU00085AM	300 ft RJ45 Cat5e Cable	N	\$	350.00	\$ 255.50
<b>ODU Coax Supplies - Table E2</b>					
409072832	6 GHz FlexTwist 4' WR137 CPR - Andrew F137CCS5	N	\$	545.00	\$ 397.85
1AF02957ABAA	11 GHz FlexTwist	N	\$	314.00	\$ 229.22
<b>Fiber Optic Jumpers - Table A1</b>					
3EM23272AA	KIT SUPPORT FOR 3 CORDS N/QMA IDU	N	\$	16.00	\$ 11.68
3EM23311AA	N Jack Bulkhead to QMA Plug (14 inch)	N	\$	69.30	\$ 50.59
3EM23311AB	N Jack Bulkhead to QMA Plug (108 inch)	N	\$	442.00	\$ 322.66
1AB388100001	SMA to QMA Adaptor	N	\$	180.00	\$ 131.40
1AC014320002	Coaxial Cable LMR-400 FR - price per foot	N	\$	2.00	\$ 1.46
337-9194-000	STRAIGHT MALE N MALE N COAXIAL Barrel	N	\$	30.00	\$ 21.90
1AB095530045	Connector N PPC Straight Male	N	\$	36.00	\$ 26.28
1AB095530044	Connector N PPC Right Angle Male	N	\$	59.00	\$ 43.07
1AB095530046	Connector N PPC Straight Female	N	\$	36.00	\$ 26.28
1AB383930001	Compression Tool for PPC	N	\$	747.00	\$ 545.31
1AB350440001	LMR grounding kit	N	\$	60.00	\$ 43.80
3CC50015AA	LIGHTNING ARREST 9913 INU/IDU&ODU ARREST	N	\$	232.00	\$ 169.36
3CC50030AA	Single Lightning Arrest Kit	N	\$	116.00	\$ 84.68
3CC50029AA	Single Lightning Arrest Bracket	N	\$	10.00	\$ 7.30
<b>Fiber Optic Jumpers - Table A1</b>					
3EM07641AC	Fiber Optic Jumper Cable, LC to LC, 3 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07641AD	Fiber Optic Jumper Cable, LC to LC, 5 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07641AE	Fiber Optic Jumper Cable, LC to LC, 10 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07641AF	Fiber Optic Jumper Cable, LC to LC, 3 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07641AG	Fiber Optic Jumper Cable, LC to SC, 3 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07641AH	Fiber Optic Jumper Cable, LC to SC, 5 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07641AI	Fiber Optic Jumper Cable, LC to SC, 10 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07651AC	Fiber Optic Jumper Cable, LC to FC, 3 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07651AD	Fiber Optic Jumper Cable, LC to FC, 5 meter, multi mode	N	\$	200.00	\$ 146.00
3EM07651AE	Fiber Optic Jumper Cable, LC to FC, 10 meter, multi mode	N	\$	200.00	\$ 146.00

**NOKIA**

The 9500 MPR Family				
Part No	Description	Spare	MPSCS MSRP	MPSCS Unit Price
3EM07641AH	Fiber Optic Jumper Cable, LC to LC, 3 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07641AJ	Fiber Optic Jumper Cable, LC to LC, 5 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07641AK	Fiber Optic Jumper Cable, LC to LC, 10 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07646AH	Fiber Optic Jumper Cable, LC to SC, 3 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07646AJ	Fiber Optic Jumper Cable, LC to SC, 5 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07646AK	Fiber Optic Jumper Cable, LC to SC, 10 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07651AH	Fiber Optic Jumper Cable, LC to FC, 3 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07651AJ	Fiber Optic Jumper Cable, LC to FC, 5 meter, single mode	N	\$ 200.00	\$ 146.00
3EM07651AK	Fiber Optic Jumper Cable, LC to FC, 10 meter, single mode	N	\$ 200.00	\$ 146.00



**NOKIA**

The 9500 MPR Family				
Part No	Description	Spare	MPCS MSRP	MPCS Unit Price
	Accessories			
3EM16790RA	VoIP OrderWire, -48Vdc	N	\$ 5,558.00	\$ 4,057.34
3EM16790RB	VoIP Orderwire Dual -48V Offnet	N	\$ 7,178.00	\$ 5,239.94

END of 9500 MPR Family Price Catalog

**NOKIA**

DC Plant				
Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
1AF29973AAA	Shelf, 240759, 19", No Rack 2-40amp HE Rectifier	N	\$ 5,426.40	\$ 4,612.44
1AF29974AAA	Shelf, 240766, 23", No Rack 2-40amp HE Rectifier	N	\$ 5,426.40	\$ 4,612.44
1AF06633AAA	Bay, 240776, 7" Rack, 19", 2-40amp HE Rectifier	N	\$ 6,355.20	\$ 5,401.92
1AF06314ABA	Bay, 240782, 7" Rack, 23", 2-40amp HE Rectifier	N	\$ 5,296.00	\$ 4,501.60
1AF17590AAA	Smartpack WEB/SNMP Eltek 242100.118	N	\$ 648.00	\$ 550.80
409097698	HE Rectifier, 241115.105, 42amp, FP2 HE	Y	\$ 700.00	\$ 595.00
1AF06632AAA	Blank Panel for Empty Rectifier Slots	N	\$ 28.80	\$ 24.48
409108727	Battery Tray 19", Heavy Duty Eltek 217035 If Loose or additional trays are required	N	\$ 288.00	\$ 244.80
409077419	BATTERY TRAY 23" HEAVY DUTY Eltek 504880 If Loose or additional trays are required	N	\$ 458.00	\$ 389.30
409072048	Battery Cable #1 125A with connectors If one battery and tray is required	N	\$ 156.75	\$ 133.24
409072030	Battery Cable #2 125A with connectors If second battery and tray is required Eltek 503852	N	\$ 136.79	\$ 116.27
409108735	Battery Cable #4 125A with connectors, 6.5', 1/4 Lugs If 3rd and 4th battery and tray is required Eltek 503850	N	\$ 114.00	\$ 96.90
1AB346630001	100A Battery Breaker Order 1 per additional battery tray and Cable ordered	N	\$ 36.00	\$ 30.60
409077393	19" standard Relay rack	N	\$ 504.00	\$ 428.40
409116183	23" standard Relay rack	N	\$ 516.00	\$ 438.60
1AF29975AAA	19" Zone 4 seismic Relay rack	N	\$ 3,199.68	\$ 2,719.73
408917870	23" Zone 4 seismic Relay rack	N	\$ 1,054.00	\$ 895.90
409108768	Batt Shield, 19"W X 27.25"D X 6" Rail	N	\$ 156.00	\$ 132.60
409071925	AC Line Cord 12' 14awg 5-15P	N	\$ 45.00	\$ 38.25
1AF29422AAA	Battery Plant, 48V, Enersys 12HX205 45AH 10Yr	N	\$ 1,008.00	\$ 856.80
1AF29423AAA	Battery Plant, 48V, Enersys 12HX300 70AH Top Terminal 10Yr	N	\$ 1,200.00	\$ 1,020.00
1AF29425AAA	BATTERY LEAD-ACID, 48VE95, 48 V, 320 LB, 96AH, (4) 12 VOLT BATTERIES	N	\$ 1,593.60	\$ 1,354.56
1AF29426AAA	Battery Plant, 48V, Enersys 12HX540 125AH Top Terminal 10Yr	N	\$ 2,140.80	\$ 1,819.68
409071768	Battery Plant, 48V, Enersys 12V92F 92AH Front Terminal 10Yr	N	\$ 2,169.60	\$ 1,844.16
409071776	Battery Plant, 48V, Enersys 48V125F 125AH Front Terminal 10Yr	N	\$ 1,760.00	\$ 1,496.00
409073962	Battery Plant, 48V, Enersys 2DDmP50-09 200AH 20yr	N	\$ 9,600.00	\$ 8,160.00
409074036	Battery Plant, 48V, Enersys 2DDmP85-27 1105AH 20yr	N	\$ 28,944.00	\$ 24,602.40

End of Customer Specific



**9500 MPR  
MPT-HC / MPR-e INTEGRATED ANTENNAS FROM RFS**

Freq Band (GHz)	Part Number	Model Number	Freq Range (GHz)	MSPCS MSRP	MSPCS Unit Price	Notes
5.8	10038562	SB2-57AMPT	5725 - 5850	\$ 2,500.00	\$ 1,125.00	
	10038135	SC3-W60AMPT	5925 - 7125	\$ 2,250.00	\$ 1,012.50	
6	10042012	SCX3-W60AMPT	5925 - 7125	\$ 2,365.00	\$ 1,064.25	
	10044144	SB4-W60DMPT	5925 - 7125	\$ 4,543.00	\$ 2,044.35	
	10044581	SBX4-W60DMPT	5925 - 7125	\$ 4,990.00	\$ 2,245.50	
	10041047	SB6-W60CMPT	5925 - 7125	\$ 9,790.00	\$ 4,405.50	
	10041951	SBX6-W60CMPT	5925 - 7125	\$ 8,750.00	\$ 3,937.50	
	10039091	SC2-W100BMPT	10000 - 11700	\$ 1,415.00	\$ 636.75	
11	10039144	SCX2-W100BMPT	10000 - 11700	\$ 1,555.00	\$ 699.75	
	10038136	SC3-W100AMPT	10700 - 11700	\$ 1,950.00	\$ 877.50	
	10039907	SCX3-W100AMPT	10000 - 11700	\$ 2,050.00	\$ 922.50	
	10044145	SB4-W100DMPT	10000 - 11700	\$ 4,450.00	\$ 2,002.50	
	10044601	SBX4-W100DMPT	10000 - 11700	\$ 4,675.00	\$ 2,103.75	
	10041049	SB6-W100CMPT	10000 - 11700	\$ 8,635.00	\$ 3,885.75	
	10041952	SBX6-W100CMPT	10000 - 11700	\$ 10,260.00	\$ 4,617.00	
	10039702	SB1-142CMPT	14200 - 15350	\$ 965.00	\$ 434.25	
15	10039093	SC2-142BMPT	14200 - 15350	\$ 1,240.00	\$ 558.00	
	10039147	SCX2-142BMPT	14200 - 15350	\$ 1,305.00	\$ 587.25	
	10038138	SC3-142AMPT	14200 - 15350	\$ 1,950.00	\$ 877.50	
	10039909	SCX3-142AMPT	14200 - 15350	\$ 3,633.00	\$ 1,634.85	
	10044147	SB4-142DMPT	14200 - 15350	\$ 3,934.00	\$ 1,770.30	
	10044603	SBX4-142DMPT	14200 - 15350	\$ 4,326.00	\$ 1,946.70	
	10041061	SB6-142CMPT	14200 - 15350	\$ 7,644.00	\$ 3,439.80	
	10041953	SBX6-142CMPT	14200 - 15350	\$ 8,390.00	\$ 3,775.50	
18	10039703	SB1-190CMPT	17700 - 19700	\$ 965.00	\$ 434.25	
	10039800	SBX1-190CMPT	17700 - 19700	\$ 1,015.00	\$ 456.75	
	10039094	SC2-190BMPT	17700 - 19700	\$ 1,240.00	\$ 558.00	
	10039148	SCX2-190BMPT	17700 - 19700	\$ 1,305.00	\$ 587.25	
	10038139	SC3-190AMPT	17700 - 19700	\$ 1,950.00	\$ 877.50	
	10039910	SCX3-190AMPT	17700 - 19700	\$ 2,050.00	\$ 922.50	
	10044148	SB4-190DMPT	17700 - 19700	\$ 3,935.00	\$ 1,770.75	
	10044604	SBX4-190DMPT	17700 - 19700	\$ 4,325.00	\$ 1,946.25	
	10041062	SB6-190CMPT	17700 - 19700	\$ 7,645.00	\$ 3,440.25	
	10041954	SBX6-190CMPT	17700 - 19700	\$ 7,995.00	\$ 3,597.75	
23	10039350	SB1-220CMPT	21200 - 23600	\$ 965.00	\$ 434.25	
	10039801	SBX1-220CMPT	21200 - 23600	\$ 1,015.00	\$ 456.75	
	10039095	SC2-220BMPT	21200 - 23600	\$ 1,240.00	\$ 558.00	
	10039150	SCX2-220BMPT	21200 - 23600	\$ 1,305.00	\$ 587.25	
	10038150	SC3-220AMPT	21200 - 23600	\$ 1,950.00	\$ 877.50	
	10039911	SCX3-220AMPT	21200 - 23600	\$ 2,050.00	\$ 922.50	
	10044149	SB4-220DMPT	21200 - 23600	\$ 3,934.00	\$ 1,770.30	
	10044605	SBX4-220DMPT	21200 - 23600	\$ 4,325.00	\$ 1,946.25	
38	10039707	SB1-380CMPT	37000 - 39500	\$ 966.00	\$ 434.70	
	10039805	SBX1-380CMPT	37000 - 39500	\$ 1,015.00	\$ 456.75	
	10039099	SC2-380BMPT	37000 - 39500	\$ 1,080.00	\$ 486.00	
	10039155	SCX2-380BMPT	37000 - 39500	\$ 1,305.00	\$ 587.25	

END of RFS DM MPT-HC Antenna Price Catalog



**9500 MPR  
NON-INTEGRATED ANTENNA SYSTEMS**

Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
<b>Microwave Antennas</b>				
10032048	UXA2-190CB1S1 17.7-19.7 GHz	N	\$3,944.99	\$1,775.25
10032174	SUX6-107BC1S1 10.7-11.7GHZ	N	\$12,595.66	\$5,668.05
10032192	DA6-W57BC1S1 5.725-6.875	N	\$11,254.53	\$5,064.54
10032195	UXA2-220CB1S1 21.2-23.6 GHz	N	\$3,944.99	\$1,775.25
10032475	UXA6-65BC1S1 6.425-7.125 GHz	N	\$15,357.02	\$6,910.66
37200022	SU3-107BFC1SG 10.7-11.7GHz	N	\$7,420.00	\$3,339.00
10044186	SB4-W100DC - 4' Hi Perf, CPR90G, Single Pol Ant., Includes Radome, 1 strut	N	\$4,914.98	\$2,211.74
10034490	DA8-107AC4IS1 10.7-11.7GHz	N	\$15,434.44	\$6,945.50
10032194	UXA2-142CB	N	\$3,944.99	\$1,775.25
10036040	SBX1-190CB	N	\$1,570.52	\$706.73
10036041	SBX1-220CB	N	\$1,570.52	\$706.73
10036115	SPF2-52CN1S 5.25-5.85 GHZ	N	\$1,908.20	\$858.69
10036174	PADX6-W57AC1S 5.725-6.875	N	\$8,320.48	\$3,744.22
10036176	PADX8-W57AC1S 5.725-6.425	N	\$11,695.53	\$5,262.99
10036178	PADX10-W57AC1S 5.725-6.875	N	\$15,745.52	\$7,085.48
10036307	SUX3-107BFC1SG	N	\$7,385.00	\$3,323.25
10037161	UXA6-W57AC 5.725-6.875 GHz	N	\$15,507.03	\$6,978.16
10037162	UXA8-W57AC 5.725-6.875 GHz	N	\$20,149.99	\$9,067.50
10037163	UXA10-W57AC 5.725-6.875 GHz	N	\$23,400.02	\$10,530.01
10037325	SU6-107BC1SG	N	\$12,400.01	\$5,580.00
10038090	UXA6-U57AC 5.725-7.125 GHz	N	\$17,095.47	\$7,692.96
10038091	UXA8-U57AC 5.725-7.125 GHz	N	\$23,845.50	\$10,730.48
10038092	UXA10-U57AC 5.725-7.125 GHz	N	\$28,345.52	\$12,755.48
10038093	PADX6-U57AC 5.725-7.125 GHz	N	\$8,770.51	\$3,946.73
10038094	PADX8-U57AC 5.725-7.125 GHz	N	\$13,045.48	\$5,870.47
10038095	PADX10-U57AC 5.725-7.125 GHz	N	\$16,195.48	\$7,287.97
10038464	UXA6-U57AC1SG 5.725-7.125 GHz	N	\$18,445.49	\$8,300.47
10038465	UXA8-U57AC1SG 5.725-7.125 GHz	N	\$25,259.99	\$11,367.00
10038466	UXA10-U57AC1SG 5.725-7.125 GHz	N	\$30,145.50	\$13,565.48
10038933	UXA6-W57AC1SG	N	\$17,995.53	\$8,097.99
10038950	UXA8-W57AC1SG	N	\$24,970.47	\$11,236.71
10038951	UXA10-W57AC1SG	N	\$24,070.48	\$10,831.72
10039174	SC2-190BB	N	\$1,345.47	\$605.46
10039175	SC2-220BB	N	\$1,345.47	\$605.46
10039191	SCX2-190BB	N	\$2,020.48	\$909.22
10039192	SCX2-220BB	N	\$2,020.48	\$909.22
10039278	SC2-190BSTX	N	\$1,126.16	\$506.77
10039323	SCX2-W100BC	N	\$2,675.75	\$1,204.09
10039504	SC3-190AB	N	\$2,069.97	\$931.49
10039507	SC3-190ASTX	N	\$3,310.02	\$1,489.51
10039524	SC3-220ASTX	N	\$3,310.02	\$1,489.51
10039527	SCX3-190AB	N	\$2,740.50	\$1,233.23
10039528	SCX3-220AB	N	\$2,740.50	\$1,233.23
10039792	SB1-220CSTX	N	\$965.02	\$434.26
10039824	SB1-190CB	N	\$895.51	\$402.98
10039825	SB1-220CB	N	\$895.51	\$402.98
10039950	SCX3-W100AC	N	\$2,655.03	\$1,194.76
10039985	SC3-W100AC	N	\$2,205.00	\$992.25
10039986	SC2-W100BC	N	\$1,660.47	\$747.21
10041443	SCX3-W100AC8	N	\$3,500.98	\$1,575.44
10042010	SC3-W60AC	N	\$2,565.01	\$1,154.25
10042011	SCX3-W60AC	N	\$3,150.00	\$1,417.50
37200021	SPF3-52CN1S 5.25-5.85 GHz	N	\$2,820.02	\$1,269.01
37300096	SPP4-52CN1S 5.25-5.85 GHz	N	\$3,524.99	\$1,586.25
37400110	PAD6-59BC1S 5.925-6.425	N	\$5,557.86	\$2,501.04
37400111	PAD6-65BC1S 6.425-7.125GHz	N	\$5,557.86	\$2,501.04
37400112	SPF6-52CN1S 5.25-5.85 GHz	N	\$4,695.32	\$2,112.89
37400121	PAD6-W57BC1S 5.725-6.875	N	\$5,902.40	\$2,656.08
37400125	PADX6-107BC1S 10.7-11.7GHZ	N	\$7,420.49	\$3,339.22
37400130	UXA6-W59BC1S1 5.925-6.875	N	\$16,195.48	\$7,287.97
37400137	PAD6-107BC1S 10.7-11.7 GHZ	N	\$5,557.86	\$2,501.04
37500025	UXA8-W59AC1S1 5.925-6.875	N	\$19,444.53	\$8,750.04
37500030	PAD8-W57AC1S 5.725-6.875 GHz	N	\$8,474.62	\$3,813.58
37500031	PAD8-59AC1S 5.925-6.425GHz	N	\$8,245.02	\$3,710.26
37500033	PAD8-65AC1S 6.425-7.125GHz	N	\$8,245.02	\$3,710.26
37500035	PAD8-107AC1S 10.7-11.7 GHZ	N	\$8,245.02	\$3,710.26
37500040	PADX8-107AC1S 10.7-11.7GHZ	N	\$11,115.79	\$5,002.11
37500064	UXA8-107AC1SG 10.7-11.7GHZ	N	\$24,070.97	\$10,831.94
37600032	PAD10-59AC1S 5.925-6.425	N	\$11,827.69	\$5,322.46
37600033	PAD10-65AC1S 6.425-7.125	N	\$11,827.69	\$5,322.46
37600037	PAD10-W57AC1 5.725-6.875	N	\$12,057.43	\$5,425.84
37600039	PADX10-107AC1S 10.7-11.7	N	\$14,675.64	\$6,604.04
37600055	UXA10-W59AC1S1 5.925-6.875	N	\$23,400.02	\$10,530.01



**9500 MPR  
NON-INTEGRATED ANTENNA SYSTEMS**

Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
37700040	UXA12-W59AC1S1 5.925-6.875	N	\$31,870.51	\$14,341.73
MA0528-23AN	PANEL 23 DBI 5.25-5.825GHZ	N	\$1,410.01	\$634.50
MA0528-28AN-W	PANEL 28 DBI 5.25-5.825GHZ	N	\$1,974.00	\$888.30
10036116	SPF2-52CN1S1R 5.25-5.85GHZ	N	\$2,883.44	\$1,297.55
10039985	SC3-W100AC	N	\$2,205.00	\$992.25
<b>Microwave Antennas, Radome and Sway Bar Kits (1-Strut)</b>				
10015299	UXA10-65AC1S1 6.425-7.125	N	\$23,387.98	\$10,524.59
37400143	DA6-59ACSQ1T 5.925-6.425 GHz (TEFLON) - (high wind/high ice)	N	\$18,140.01	\$8,163.00
37500103	DA8-59ACSQ1T 5.925-6.425GHz (TEFLON)	N	\$26,545.47	\$11,945.46
10025486	DA8-59AC1S1 5.925-6.425 GHz	N	\$13,772.99	\$6,197.85
10025490	UA8-59AC1S1 5.925-6.425GHZ	N	\$15,813.00	\$7,115.85
10025500	DAX8-59AC1S1 5.925-6.425 GHz	N	\$14,520.03	\$6,534.01
10036822	UXA6-59BC1S1	N	\$15,357.02	\$6,910.66
10036823	UXA8-59BC1S1	N	\$19,294.52	\$8,682.53
10036824	UXA10-59BC1S1	N	\$23,387.98	\$10,524.59
37400085	PAD6-65BC1S1R	N	\$7,762.72	\$3,493.22
37500068	PAD8-65AC1S1R	N	\$11,393.34	\$5,127.00
10025520	DA8-65AC1S1 6.425-7.125 GHz	N	\$13,772.99	\$6,197.85
10025523	UA8-65AC1S1 6.425-7.125GHz	N	\$18,785.83	\$8,453.62
10025533	DAX8-65AC1S1 6.425-7.125 GHz	N	\$16,645.51	\$7,490.48
37500102	DAX8-65ACSQ1T 6.425-7.125GHz (TEFLON)	N	\$27,895.49	\$20,921.62
10025535	UXA8-65AC1S1 6.425-7.125 GHz	N	\$19,294.52	\$8,682.53
37400145	SUX6-65ACSQ1T 6.425-7.125G (TEFLON)	N	\$27,034.98	\$12,165.74
37400138	PAD6-107BC1S1R 10.7-11.7 GHZ	N	\$7,762.72	\$3,493.22
37500056	PAD8-107AC1S 10.7-11.7 GHZ	N	\$11,393.34	\$5,127.00
10025548	DA8-107AC1S1 10.7-11.7 GHz	N	\$13,773.34	\$6,198.00
10033994	DA10-107AC2S1 10.7-11.7GHZ	N	\$15,295.49	\$6,882.97
10031452	UXA6-107BC1SG	N	\$17,095.47	\$7,692.96
10031625	UXA6-107BC1S1 10.7-11.7GHZ	N	\$15,351.00	\$6,907.95
10031862	SU6-107BC1S1 10.7-11.7 GHZ	N	\$9,410.03	\$4,234.51
10025551	UXA8-107AC1S1 10.7-11.7GHZ	N	\$19,294.52	\$8,682.53
10025552	DAX8-107AC1S1 10.7-11.7GHZ	N	\$14,520.03	\$6,534.01
37400068	PAD6-W57BC1S1R 5.725-6.875	N	\$8,107.19	\$3,648.24
37500057	PAD8-W57AC1S1R 5.725-6.875	N	\$12,595.52	\$5,667.98
10025668	DA10-59AC1S1 5.925-6.425 GHz	N	\$17,499.02	\$7,874.56
10025673	DA10-65AC1S1 6.425-7.125 GHz	N	\$17,499.02	\$7,874.56
10025679	DA10-107AC1S1 10.7-11.7 GHz	N	\$17,499.02	\$7,874.56
10025683	DA12-65AC1S1 6.425-7.125 GHz	N	\$25,894.82	\$11,652.67
10027421	DA8-W71AC1S1 7.125-8.5 GHZ	N	\$13,923.00	\$6,265.35
10027481	DA10-W71AC1S1 7.125-8.5GHZ	N	\$19,795.51	\$8,907.98
10027913	DA12-59AC1S1 5.925-6.425 GHz	N	\$25,895.03	\$11,652.76
37300098	PA4-W57BC1S1R 5.725-6.875GHZ	N	\$5,945.52	\$2,675.48
10027932	DA8-W57AC1S1 5.725-6.875	N	\$13,923.00	\$6,265.35
10027937	DAX10-59AC1S1 5.925-6.425 GHz	N	\$18,916.52	\$8,512.43
10027938	DAX10-65AC1S1 6.425-7.125	N	\$18,916.52	\$8,512.43
10028076	UXA10-107AC1S1 10.7-11.7	N	\$23,387.98	\$10,524.59
10044368	SU4-107DB	N	\$8,095.50	\$3,642.98
10044370	SU4-107DD	N	\$8,095.50	\$3,642.98
10044372	SU4-107DC	N	\$8,095.50	\$3,642.98
10045206	SU4-107DC1SG	N	\$9,220.47	\$4,149.21
10045212	SU4-107DC2	N	\$8,680.49	\$3,906.22
10045242	SU4-107DC1S1T	N	\$9,445.52	\$4,250.48
10030666	SU6-107BB1S1	N	\$9,410.03	\$4,234.51
10034124	SU6-107BC2S1 10.7-11.7 GHz	N	\$17,250.03	\$7,762.51
10030667	SUX6-107BB1S1	N	\$12,779.97	\$5,750.99
10041177	SB6-W60CC	N	\$8,995.49	\$4,047.97
10041227	SBX6-190CB	N	\$8,700.02	\$3,915.01
10030681	UXA6-190BB	N	\$15,745.52	\$7,085.48
10030822	UXA6-107BD1S1 10.7-11.7 GHz	N	\$15,357.02	\$6,910.66
10031083	UXA6-65BD1S1 6.425-7.125 GHz	N	\$15,357.02	\$6,910.66
10036067	SUX6-107BC1S1T 10.7-11.7 GHz (Teflon)	N	\$15,591.94	\$7,016.37
10038411	DA8-107AC1S1T 10.7-11.7 GHz (Teflon)	N	\$18,895.52	\$8,502.98
10038430	UXA6-107BC1S1T 10.7-11.7 GHz (Teflon)	N	\$18,445.49	\$8,300.47
10038431	UXA8-107AC1S1T 10.7-11.7 GHz (Teflon)	N	\$26,095.51	\$11,742.98
37400176	SU6-107BC1S1T 10.7-11.7GHZ (Teflon)	N	\$12,712.00	\$5,720.40
10038096	PADX6-U57AC1S1R 5.725-7.125	N	\$10,345.51	\$4,655.48
10038097	PADX8-U57AC1S1R 5.725-7.125	N	\$15,295.49	\$6,882.97
10038098	PADX10-U57AC1S1R 5.725-7.125	N	\$20,245.47	\$9,110.46
10038461	PADX6-U57AC1SGR 5.725-7.125A	N	\$11,695.53	\$5,262.99
10038462	PADX8-U57AC1SGR 5.725-7.125	N	\$16,870.49	\$7,591.72
10038463	PADX10-U57AC1S1R 5.725-7	N	\$22,045.52	\$9,920.48
37400140	PAD6-59BC1S1R	N	\$7,762.72	\$3,493.22
37500055	PAD8-59AC1S1R	N	\$11,393.34	\$5,127.00



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Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
37600051	PAD10-59AC1S1R	N	\$16,442.30	\$7,399.04
37400182	PAD6-59BC1S1R 5.925-6.425GHZ (GRAY)	N	\$8,445.52	\$3,800.48
PAD6-W59BC1S	PAD6-W59BC1S 5.925-6.875	N	\$6,520.50	\$2,934.23
37400102	PAD6-W59BC7S1R	N	\$8,860.53	\$3,987.24
37500124	PAD8-59AC1S1R 5.925-6.425GHZ (GRAY)	N	\$13,413.40	\$6,036.03
37400161	PAD6-65BC1S1R	N	\$9,445.52	\$4,250.48
37400155	PADX6-W59BC1S1R	N	\$9,445.52	\$4,250.48
37400154	PADX6-W59BC	N	\$7,870.52	\$3,541.73
10043090	PADX6-W59BC7S1R	N	\$10,210.48	\$4,594.72
37400201	PAD6-W57BC1S1R	N	\$9,445.52	\$4,250.48
37400208	PADX6-107BB1S1R	N	\$8,995.49	\$4,047.97
37500130	PADX8-W59AC1S1R	N	\$14,395.50	\$6,477.98
37500133	PAD8-65AC1S1R	N	\$13,405.21	\$6,032.34
10036175	PADX6-W57AC1S1R	N	\$9,445.52	\$4,250.48
10038010	PADX6-W57AC1S1R 5.725-6.875 GHz	N	\$11,245.50	\$5,060.48
10036177	PADX8-W57AC1S1R	N	\$14,845.53	\$6,680.49
10038119	PADX8-W57AC1S1R	N	\$16,420.53	\$7,389.24
10036179	PADX10-W57AC1S1R	N	\$19,795.51	\$8,907.98
10036470	PADX6-107BC1S1R	N	\$10,075.52	\$4,533.98
10031320	UXA6-220BB	N	\$15,357.02	\$6,910.66
37300099	SPF4-52CN1S1R 5.25-5.85GHz	N	\$5,040.77	\$2,268.35
37400113	SPF6-52CN1S1R 5.25-5.85GHz	N	\$7,199.99	\$3,240.00
<b>Microwave Antennas, Radome and Sway-Bar Kits (2 Struts)</b>				
37400097	PAD6-W57BC7S1R	N	\$8,860.53	\$3,987.24
37600066	PAD10-59AC7S1R	N	\$17,162.88	\$7,723.30
37500079	PAD8-W57AC7S1R	N	\$11,902.94	\$5,356.32
37500082	PAD8-59AC7S1R	N	\$12,350.38	\$5,557.67
10036350	SU6-107BC7S1	N	\$10,468.36	\$4,710.76
37400100	PAD6-59BC7S1R	N	\$8,747.83	\$3,936.52
10036722	PAD6-65BC7S1R	N	\$7,285.53	\$3,278.49
10036753	PADX6-W57AC7S1R	N	\$10,660.51	\$4,797.23
10036754	PADX8-W57AC7S1R	N	\$15,700.51	\$7,065.23
10038203	PADX6-W57AC7S1R (GRAY)	N	\$12,460.49	\$5,607.22
10038202	PADX8-W57AC7S1R (GRAY)	N	\$17,275.51	\$7,773.98
10038231	PADX6-U57AC7S1R	N	\$11,110.47	\$4,999.71
10038232	PADX8-U57AC7S1R	N	\$16,150.47	\$7,267.71
10038233	PADX10-U57AC7S1R	N	\$21,100.52	\$9,495.23
37600094	PAD10-W57AC7S1R	N	\$17,945.48	\$8,075.47
10039071	PADX10-W57AC7S1R	N	\$22,450.47	\$10,102.71
10036663	PAD10-65AC7S1R	N	\$17,502.03	\$7,875.91
10037381	UXA6-W57AC7S1	N	\$17,129.49	\$7,708.27
10037382	UXA8-W57AC7S1	N	\$21,260.26	\$9,567.12
10037383	UXA10-W57AC7S1	N	\$25,358.69	\$11,411.41
10038274	UXA6-U57AC7S1	N	\$17,860.50	\$8,037.23
10038276	UXA8-U57AC7S1	N	\$24,700.48	\$11,115.22
10036720	UXA6-W59BC7S1	N	\$16,565.43	\$7,454.44
10036721	UXA8-W59AC7S1	N	\$20,551.93	\$9,248.37
37600089	UXA8-107AC7S1 10.7-11.7GHZ	N	\$24,925.53	\$11,216.49
10038201	SUX3-107BFC7S1 10.7-11 (GRAY)	N	\$8,277.99	\$3,725.10
37400100	ANT/RAD/SWAY BAR KIT PAD6-59BC7S1R	N	\$8,747.85	\$3,936.53
37500082	ANT/RAD/SWAY BAR KIT PAD8-59AC7S1R	N	\$12,350.40	\$5,557.68
<b>Radomes and Sway-Kits</b>				
10011400	Kit Sway Bar 4ft SL (SMA-WK-4) SB	N	\$580.51	\$435.38
10031054	Kit Sway Bar 6ft Refl (SMA-SK-60-2000A)	N	\$760.48	\$570.36
10031053	Kit Sway Bar 8-12ft Refl (SMA-SK-60-3000A)	N	\$850.50	\$637.88
310770-003-W	4ft Unheated Radome, Fiberglass (white) (310770-003) - non-shrouded antennas such as PAD, SPF, PA	N	\$1,515.78	\$1,136.84
311793-003-W	6ft Unheated Radome, Fiberglass (white deep) (311793-003) - PADs ONLY (use 310771-003-W non-shrouded antennas suc	N	\$2,228.59	\$1,671.44
310772-003-W	8ft Unheated Radome, Fiberglass (white) (310772-003) - non-shrouded antennas such as PAD, SPF, PA	N	\$3,290.00	\$2,467.50
310773-003-W	10ft Unheated Radome, Fiberglass (white) (310773-003) - non-shrouded antennas such as PAD, SPF, PA	N	\$4,822.23	\$3,616.67
310774-003-W	12ft Unheated Radome, Fiberglass (white) (310774-003) - non-shrouded antennas	N	\$8,765.54	\$6,574.16
10041020	KIT ADDITIONAL SWAY-BAR SC3 SMA-SK-3	N	\$445.50	\$334.13
10042784	SWAYBAR/TOWER KIT SMA-SKO-UNIVERSAL	N	\$220.50	\$165.38
10031053	KIT SWAY BAR 8-12FT REFL	N	\$850.50	\$637.88
<b>Dehydrator and Manifolds</b>				
10042202	APD20-D-35XH0R00S0, 120v, Lo psi, no purge, < 7800' 6-12GHz	N	\$4,725.00	\$3,543.75
20040835	Dehydrator Wall Shelf for APD20 (20040835)	N	\$292.53	\$219.40
920202-W	Gas Distribution Manifold, 2 Port, 0-15PSIG (920202)	N	\$607.53	\$455.65
920204-W	Gas Distribution Manifold, 4 Port, 0-15PSIG (920204)	N	\$879.97	\$659.98
920206-W	Gas Distribution Manifold, 6 Port, 0-15PSIG (920206)	N	\$1,134.00	\$850.50
920208-W	Gas Distribution Manifold, 8 Port, 0-15PSIG (920208)	N	\$1,484.98	\$1,113.74
10042194	APD20-D-35XH0R00S1	N	\$4,725.00	\$3,543.75



**9500 MPR  
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Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
<b>Waveguide, Connectors and Associated Parts</b>				
810265-001	Standard Elliptical Waveguide, E60 (5.6 - 6.425 GHz)	N	\$33.95	\$25.46
810265-002	Premium Elliptical Waveguide, EP60 (5.6 - 6.425 GHz)	N	\$37.03	\$27.77
399269-101	Connector, Tunable / CPR137G (bottom) (C137-060TG)	N	\$809.55	\$607.16
399269-103	Connector, Non-Tunable / CPR137G (top) (C137-060FG)	N	\$809.55	\$607.16
HOIST1-158L	Hoisting Grip (HOIST1-158L) - Lace-up (LCF158,HCA158,E60,EP60,EP65)	N	\$83.72	\$62.79
921234-061	Grounding Kit - 60in wire, E60 (GKIT-60-060)	N	\$62.37	\$46.78
920981-003	Hanger Kit for E60 (CLAMP-060) (10 pack, bolt-on)	N	\$68.67	\$51.50
ANGLE-CLPI	Angle Member Adapter Kit, 3/8in Stainless Steel (ANGLE-CLPI) (10 pack)	N	\$166.67	\$125.00
CEIL12-5I	Ceiling Adapter Kit, 12in (CEIL12-5I, 514608-003) (5 pack) - waveguide only	N	\$85.68	\$64.26
920831	Wall/Roof Feed Thru E/EP60 (WFT-060) - 1 per boot	N	\$159.04	\$119.28
400108	Pressure Window (WPW-137EP) - mates to CPR137G	N	\$92.96	\$69.72
915663	4in Boot with 1 Hole for E60 (BOOT4-060)	N	\$133.91	\$100.43
815487-001	Standard Elliptical Waveguide E105 (10.0 - 11.7 GHz)	N	\$26.74	\$20.06
815487-002	Premium Elliptical Waveguide EP105 (10.0 - 11.7 GHz)	N	\$32.48	\$24.36
399503-101	Connector, Tunable (C90-105TG)	N	\$650.02	\$487.52
399503-103	Connector, Non-Tunable (top) (C90-105FG)	N	\$650.02	\$487.52
916533-108	Hoisting Grip (HOIST1-105L) - Lace-up (E105,E78)	N	\$39.13	\$29.35
921234-108	Grounding Kit - 60in wire, E105 (GKIT-60-105)	N	\$48.02	\$36.02
920981-007	Hanger Kit for E105, 7/8in coax (CLAMP-105) (10 pack, bolt-on)	N	\$45.22	\$33.92
920745	Wall/Roof Feed Thru E/EP105 - 1 per boot (WFT-105)	N	\$142.31	\$106.73
400130	Pressure Window (WPW-090EP) - mates to CPR90G	N	\$75.95	\$56.96
400124	2ft Twistflex (TF090-CC1-024I) - CPR90G/CPR90G	N	\$864.99	\$648.74
915665	4in Boot with 1 Hole for E105 (BOOT4-105)	N	\$133.91	\$100.43
810261-001	Standard Elliptical Waveguide, E65 (5.9 - 7.125 GHz)	N	\$30.52	\$22.89
810261-002	Premium Elliptical Waveguide, EP65 (5.9 - 7.125 GHz)	N	\$31.22	\$23.42
399289-101	Connector, Tunable / CPR137G (C137-065TG)	N	\$809.55	\$607.16
399289-103	Connector, Non-Tunable (top) (C137-065FG)	N	\$809.55	\$607.16
921234-065	Grounding Kit - 60in wire, E65 (GKIT-60-065)	N	\$48.02	\$36.02
920738	Wall/Roof Feed Thru E/EP65 (WFT-065) - 1 per boot	N	\$159.04	\$119.28
915006-W	Hardware Kit, HDWK3/8-16X1, 3/8 - 16 x 1 bolt (915006) - 10 each lock washers, hex nuts and fillister head screws	N	\$24.01	\$18.01
915751	4in Boot with 1 Hole for E65 (BOOT4-065)	N	\$133.91	\$100.43
810268-001	Standard Elliptical Waveguide, E185 (17.3 - 19.7 GHz)	N	\$19.88	\$14.91
810268-002	Premium Elliptical Waveguide, EP185 (17.3 - 19.7 GHz)	N	\$23.17	\$17.38
399422-101	Connector, Tunable (top and bottom) (the only turnable connector for this WG is UG flange, which mates with PBR220) (G59)	N	\$720.02	\$540.02
921234-191	Grounding Kit, 60in wire, E185 (GKIT-60-185)	N	\$38.78	\$29.09
920981-010	Hanger Kit for E185 (CLAMP-185) (10 pack, bolt-on)	N	\$35.91	\$26.93
920726	Wall/Roof Feed Thru (WF-185) - 1 per boot	N	\$142.31	\$106.73
400184	Pressure Window (PW-BW220) PBR220/UBR220	N	\$232.89	\$174.67
915664	4in Boot with 1 Hole for E185 (BOOT4-185)	N	\$106.05	\$79.54
914791-W	Load Termination WR-90 / CPR90G Flange (91479)	N	\$749.98	\$562.49
915422-W	Load Termination WR-137 / CPR137G Flange (915422)	N	\$205.03	\$153.77
311370-W	Cover Plate kit WR-90 / CPR90G Flange (311370)	N	\$220.01	\$165.01
311372-W	Cover Plate kit WR-137 / CPR137G Flange (311372)	N	\$117.53	\$88.15
10037095	Cover Plate kit WR-42 / PBR220 or UBR220 Flange (10037095)	N	\$224.98	\$168.74
10037094	Cover Plate kit WR-90 / PDR100 or UDR100 Flange (10037094)	N	\$224.98	\$168.74
913412	CPR137G Flange Rebuild Kit (when reusing antennas OR waveguide) (used at end only) (913412)	N	\$62.02	\$46.52
913409	CPR90G Flange Rebuild Kit (when reusing antennas OR waveguide) (used at end only) (913409)	N	\$46.48	\$34.86
400108	Window Press Wpw-137ep	N	\$92.95	\$69.71
400130	Window Press Wpw-090ep	N	\$75.95	\$56.96
915663	Boot Assy4in W/1 Hole E60	N	\$133.90	\$100.43
915665	Boot Assy 4in W/1 Hole E105	N	\$133.90	\$100.43
399269-101	Conn E/EP60 Cpr137g Gk Tune	N	\$809.55	\$607.16
399269-103	CONN E/EP60 CPR137G FG	N	\$809.55	\$607.16
399503-101	Conn E/EP105 Cpr90g Gk Tune	N	\$650.00	\$487.50
399503-103	CONN E/EP105 CPR90G FG	N	\$650.00	\$487.50
916533-108	Grip Hoisting E105 E78 Lace-Up	N	\$39.15	\$29.36
921234-061	Kit Gnd We61 Fld Std Lug 5ft	N	\$62.35	\$46.76
921234-108	Kit Gnd E105 Fld Instld	N	\$48.00	\$36.00
CEIL12-5I	Kit Clg Adptr 514608-003 Qty 5	N	\$85.70	\$64.28
409081486	MTG-B1636 BRKT 0IN 0IN 0IN STL WOOD POL*	N	\$832.60	\$624.45
409081593	KIT-800250 ASSY MICROWAVE 4FT MICROWAVE	N	\$3,351.85	\$2,513.89
409081601	KIT-800251 ASSY MICROWAVE 6FT MICROWAVE	N	\$4,731.17	\$3,548.38
409081635	KIT-860117 ASSY MICROWAVE 31L-R5 PM FIT*	N	\$3,168.97	\$2,376.73
409082278	BRKT-B3255 MTG GALVLD STL 0LB STRAP ON B*	N	\$50.25	\$37.69
409108073	MNT-B1935 ANT 24IN	N	\$734.15	\$550.61
1AF03676ABAA	P472, Sch 40 4-1/2 OD x 72 pipe	N	\$585.60	\$439.20
1AF07352AFAA	Cellular Accessry, WRL100 1/2 In Wraplock	N	\$249.60	\$187.20
1AF07352AGAA	Cellular Accessry, BU254 25, 1/2 Inch Sta	N	\$55.35	\$41.51
1AF22298AAAA	Universal Ring Mnt LWRM for 12-45in pole	N	\$3,470.30	\$2,602.73
1AF26069AAAA	Plain-end Pipe Galvanized P4126	N	\$975.00	\$731.25
1AF28451AAAA	4"x4"x1/4"x20" Hot-Dip Galvanized Angle	N	\$1,364.35	\$1,023.26
409081619	KIT-800252 ASSY MICROWAVE 8FT MICROWAVE	N	\$5,967.99	\$4,475.99





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Part No	Description	Spare	MSPCS MSRP	MSPCS Unit Price
810265-001	WG E60J 4.5-6.425 GHZ	N	\$24.25	\$18.19
815487-001	WG E105J 10.50-11.70GHZ	N	\$19.10	\$14.33
915006-W	Kit Hdw 3/8-16x1in	N	\$17.15	\$12.86
920202-W	Kit Gdm-2 Port 0-15psig	N	\$433.95	\$325.46
920204-W	Kit Gdm-4 Port 0-15psig	N	\$628.55	\$471.41
913723-W	Tube Poly 3/8 OD black 100ft	N	\$223.53	\$167.65
20040835	SHELF, WALL / RACK MOUNT, PAINTED	N	\$292.55	\$219.41
20036962	BASIC FEED 02-190 F2 BF 055 MM	N	\$750.00	\$562.50
30033358	TUBING, POLYURETHANE 3/8 OD X .245 (per ft)	N	\$9.00	\$6.75
<b>Twistflex, Hanger Kits and Accessories</b>				
916705-W	Twistflex hanger kit WR90 (916705)	N	\$139.51	\$104.63
1AF15840AAAA	Twistflex Hanger Kit WR42 (PBR220) - RFS does not have a 220 hanger - Andrew part: (244106A-220)	N	\$151.13	\$113.35
916933-W	Twistflex hanger kit WR137 (916933)	N	\$209.23	\$156.92
400015	3ft Twistflex (TF137-CC1-036I) - CPR137G/CPR137G	N	\$895.51	\$671.63
400125	3ft Twistflex (TF090-CC1-036I) - CPR90G/CPR90G	N	\$990.01	\$742.51
10038689	Twistflex Flexible Waveguide for Microwave Radio System, 11GHz, 1.2m TF R 220 PBR/UBR 18.0-26.5	N	\$494.97	\$371.23
400013	1ft Twistflex (TF137-CC1-012I) - CPR137G/CPR137G	N	\$790.51	\$592.88
916626	CLAMP SNAP-IN LCF158 Stack Kit 10 - HANGER, STACKABLE 1-5/8 10 KIT	N	\$70.00	\$52.50
HOIST2-L01	Hoisting Grip (HOIST2-L01) - Lace-up, 2 loop	N	\$210.56	\$157.92
400014	Twist Flex & Hdw TF24-137e	N	\$760.50	\$570.38
400124	Twist Flex & Hdw TF24-090ep	N	\$670.50	\$502.88
<b>Times Microwave Systems (TMS) LMR Parts and Accessories</b>				
1AC014320002	LMR400 (HS: 2 runs, NS: 1 run) + (if non-integ, dual pol and 2 channels: 2 runs) (TMS)	N	\$12.25	\$9.19
1AB095530045	PPC Connector (compression) - straight male (3 per LMR run) (TMS)	N	\$52.64	\$39.48
1AB095530046	PPC Connector (compression) - straight female (1 per LMR run) (TMS)	N	\$60.13	\$45.10
1AB383930001	PPC Compression Tool (1 per deployment) (TMS)	N	\$1,561.35	\$1,171.01
1AB350440001	LMR grounding kit (GKS400TT) (TMS)	N	\$210.49	\$157.87
<b>SitePro1 (Valmont) Ice Shields, Tieback Steel, Parts and Accessories</b>				
1AF28452AAAA	Valmont flat Ice Shield - 2ft (MIS24, xxxxxx)	N	\$1,584.45	\$1,188.34
409081593	Valmont flat Ice Shield - 4ft (ISMD4, 800250) ADD PIPE MOUNT	N	\$4,974.62	\$3,730.97
409081601	Valmont flat Ice Shield - 6ft (ISMD6, 800251) ADD PIPE MOUNT	N	\$6,623.61	\$4,967.71
409081619	Valmont flat Ice Shield - 8ft (ISMD8, 800252) ADD PIPE MOUNT AND WELDMENT	N	\$8,355.20	\$6,266.40
1AF19234AAAA	Valmont flat Ice Shield - 10ft (ISMD10, 800253) ADD PIPE MOUNT AND WELDMENT	N	\$10,114.09	\$7,585.57
409108073	Valmont Pipe Mount Extension weldment for Ice Shields (PME2, B1935)	N	\$1,027.81	\$770.86
1AF24588AAAA	Valmont ice shield KIT - 4ft (ISMD4-R5LL = 800250 (ice shield) + 409081365 (leg mount))	N	\$8,995.00	\$6,746.25
1AF24589AAAA	Valmont ice shield KIT - 6ft (ISMD6-R5LL = 800251 (ice shield) + 409081365 (leg mount))	N	\$11,025.00	\$8,268.75
1AF24587AAAA	Valmont ice shield KIT - 8ft (ISMD8-R5LL = 800252 (ice shield) + 409081365 (leg mount))	N	\$13,195.00	\$9,896.25
1AF24586AAAA	Valmont ice shield KIT - 10ft (ISMD10-R5LL = 800253 (ice shield) + 409081365 (leg mount))	N	\$15,715.00	\$11,786.25
1AF28451AAAA	Tieback Steel - Bulk Angle 4" X 4" X 3/4" x 20' (ANG414) - (1 per antenna)	N	\$1,910.09	\$1,432.57
<b>SitePro1 (Valmont) Misc. Microwave Parts and Accessories</b>				
409081510	LMR Cushion Hanger (4 hole) - (Valmont: B1676, SRLR44-K) - complete with clamp and clamp head (5 per package)	N	\$107.17	\$80.38
1AD173640001	BRL Cushion BC141X 1-5/8, 10@0.24, 10p (Valmont BC1410)	N	\$124.75	\$93.56
1AF25490ABAA	Angle Member Adapter Kit, 3/8in Stainless Steel (Valmont ADAP-O) (10 pack)	N	\$239.40	\$179.55
1AF19821AAAA	Cushion hangers - (4) 9.9mm and (5) 6.1mm barrel cushion that fits into 1 5/8in snap-in (Qty: 10) - (Valmont BC144384)	N	\$103.18	\$77.39

END of NON-INTEGRATED ANTENNA SYSTEMS Price Catalog





## TSM-8000 Network Management System

Part No	Description	MPCS MSRP	MPCS Unit Price
<b>TSM-8000 Fully Redundant Workstation Kit</b>			
3EM16790EP	Server Wkstm Kit, Win Server, 110 VAC	\$32,200	\$ 20,930.00
<b>TSM-8000 Single Client Workstation Kit</b>			
3EM16790BV	Single Client as Server Wkstm Kit, Win , 110 VAC	\$20,288	\$ 13,187.20
<b>TSM-8000 SNMP / TL1 Workstation Kit</b>			
3EM16790GW	Server Wkstm Kit, 1U, Win Server, 110 VAC	\$26,672	\$ 17,336.80
<b>TSM-8000 Server ONLY</b>			
3EM16790DH	Server workstation (rack mount) - with 17" LCD monitor, WIN Server OS 110 VAC	\$16,800	\$ 10,920.00
3EM16790DJ	Server workstation (rack mount) - with 17" LCD monitor, WIN Server OS 220 VAC	\$17,280	\$ 11,232.00
3EM16790GY	Server, 1U High (rack mount) SNMP Only, WIN Server OS 110 VAC	\$8,520	\$ 5,538.00
<b>SNMP Software</b>			
3EM16790BA	Server License, 24 NE Ltd, SNMP	\$15,300	\$ 9,945.00
3EM16790BB	Server License, 32 NE Ltd, SNMP	\$18,000	\$ 11,700.00
3EM16790BC	Server License, 64 NE Ltd, SNMP	\$30,000	\$ 19,500.00
3EM16790BD	Server License, 128 NE Ltd, SNMP	\$52,500	\$ 34,125.00
3EM16790FS	Server License, 256 NE Ltd, SNMP	\$69,750	\$ 45,337.50
3EM16790FM	Server License, 512 NE Ltd, SNMP	\$78,375	\$ 50,943.75
3EM16790BE	Server License, 1024 NE, SNMP	\$87,000	\$ 56,550.00
<b>MCS-11 + TL1 Software</b>			
3EM16790BF	Server License, 24 NE Ltd, MCS/TL1	\$15,300	\$ 9,945.00
3EM16790BG	Server License, 32 NE Ltd, MCS/TL1	\$16,500	\$ 10,725.00
3EM16790BH	Server License, 64 NE Ltd, MCS/TL1	\$19,500	\$ 12,675.00
3EM16790BJ	Server License, 128 NE Ltd, MCS/TL1	\$28,500	\$ 18,525.00
3EM16790FU	Server License, 256 NE Ltd, MCS-11/TL1	\$69,750	\$ 45,337.50
3EM16790FP	Server License, 512 NE Ltd, MCS-11/TL1	\$78,375	\$ 50,943.75
3EM16790BK	Server License, 1024 NE, MCS-11/TL1	\$52,500	\$ 34,125.00
<b>SNMP + MCS-11 + TL1 Software</b>			
3EM16790BL	Server License, 24 NE Ltd, SNMP/MCS/TL1	\$18,000	\$ 11,700.00
3EM16790BM	Server License, 32 NE Ltd, SNMP/MCS/TL1	\$35,000	\$ 22,750.00
3EM16790BN	Server License, 64 NE Ltd, SNMP & MCS/TL1	\$39,000	\$ 25,350.00
3EM16790BP	Server License, 128 NE Ltd, SNMP & MCS/TL1	\$66,000	\$ 42,900.00
3EM16790BP	Server License, 128 NE Ltd, SNMP & MCS/TL1	\$90,750	\$ 58,987.50
3EM16790FT	Server License, 256 NE Ltd, SNMP & MCS/TL1	\$103,125	\$ 67,031.25
3EM16790FN	Server License, 512 NE Ltd, SNMP & MCS/TL1	\$115,500	\$ 75,075.00
3EM16790BQ	Server License, 1024 NE, SNMP & MCS/TL1		
<b>SNMP Upgrade Pricing - From MCS-11+ TL1 to SNMP + MCS-11 + TL1</b>			
3EM16790CA	Client License and Software SNMP Upgrade	\$5,875	\$ 3,818.75
3EM16790CC	Server License Upgrade, 24 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$7,800	\$ 5,070.00
3EM16790CD	Server License Upgrade, 32 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$12,000	\$ 7,800.00
3EM16790CE	Server License Upgrade, 64 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$19,500	\$ 12,675.00
3EM16790CF	Server License Upgrade, 128 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$37,500	\$ 24,375.00
3EM16790FV	Server License Upgrade, 256 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$50,250	\$ 32,662.50
3EM16790FQ	Server License Upgrade, 512 NE Ltd, MCS-11/TL1 to SNMP & MCS-11/TL1	\$56,625	\$ 36,806.25
3EM16790CG	Server License Upgrade, 1024 NE, MCS-11/TL1 to SNMP & MCS-11/TL1	\$63,000	\$ 40,950.00
<b>MCS-11+TL1 Upgrade Pricing - From SNMP Only to SNMP+ MC-11+ TL1</b>			
3EM16790CB	Client Log-in License, MCS-11/TL-1 Upgrade	\$5,875	\$ 3,818.75
3EM16790EY	Server License Upgrade, 24 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$4,500	\$ 2,925.00
3EM16790EW	Server License Upgrade, 32 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$7,500	\$ 4,875.00
3EM16790EV	Server License Upgrade, 64 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$10,500	\$ 6,825.00
3EM16790EU	Server License Upgrade, 128 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$15,000	\$ 9,750.00



## TSM-8000 Network Management System

Part No	Description	MPCS MSRP	MPCS Unit Price
3EM16790FW	Server License Upgrade, 256 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$22,500	\$ 14,625.00
3EM16790FR	Server License Upgrade, 512 NE Ltd, SNMP to SNMP & MCS-11/TL1	\$26,250	\$ 17,062.50
3EM16790ET	Server License Upgrade, 1024 NE, SNMP to SNMP & MCS-11/TL1	\$30,000	\$ 19,500.00
<b>NE Upgrade - Only from same Software type</b>			
3EM16790HA	NE Upgrade 24 NE to 32 NE	\$4,680	\$ 3,042.00
3EM16790HB	NE Upgrade 32 NE to 64 NE	\$9,600	\$ 6,240.00
3EM16790HC	NE Upgrade 64 NE to 128 NE	\$19,800	\$ 12,870.00
3EM16790HD	NE Upgrade 128 NE to 256 NE	\$16,800	\$ 10,920.00
3EM16790HE	NE Upgrade 256 NE to 512 NE	\$8,400	\$ 5,460.00
3EM16790HF	NE Upgrade 512 NE to 1000 NE	\$8,400	\$ 5,460.00
<b>TSM-8000 Software Feature Options</b>			
3EM16790BS	SNMP Upstream Reporting	\$15,000	\$ 9,750.00
3EM16790GJ	Web Interface Feature, All Protocols	\$15,000	\$ 9,750.00
3EM16790GP	Interactive Voice Response System	\$18,000	\$ 11,700.00
3EM16790HM	Farscan Monitor License	\$25,000	\$ 16,250.00
3EM16790HQ	Badger Monitor License	\$25,000	\$ 16,250.00
3EM16790HG	TSM-8000 Non-ALU NE Support RTU	\$1,500	\$ 975.00
3EM16790HN	TSM-8000 Software Subscription	\$30,000	\$ 19,500.00
<b>TSM-8000 Client Software / Misc</b>			
3EM16790BR	Client Log-in License	\$10,800	\$ 7,020.00
3EM16790CH	Additional MG soft licenses	\$75	\$ 48.75
<b>TSM-8000 Documentation</b>			
<b>TSM-8000 Software Upgrades</b>			
3EM16790HZ	TSM-8000 Version 6.0 Upgrade	\$10,000	\$ 6,500.00
3EM16790JB	TSM-8000 Version 7.0 Upgrade	\$10,000	\$ 6,500.00
3EM16790JC	TSM-8000 Version 7.1 Upgrade	\$10,000	\$ 6,500.00
3EM16790JD	TSM-8000 Version 8.0 Upgrade	\$10,000	\$ 6,500.00
<b>TSM-8000 Client Workstations - Optional</b>			
3EM16790AC	Client workstation (tower) - Non-redundant, with 19" LCD monitor, WIN XP PRO, 110 VAC	\$5,250	\$ 3,412.50
<b>TSM-8000 Spares Kits</b>			
3EM16790EJ	Server Spares Kit	\$7,618	\$ 4,951.70
3EM16790EK	Client Spares Kit	\$2,844	\$ 1,848.60
<b>Standard Workstation Accessories</b>			
3EM16790AG	Server LAN Switch, 16 Ports, 110 VAC	\$840	\$ 546.00
3EM16790AH	Server Remote Access Modem, 110 VAC	\$432	\$ 280.80
3EM16790AJ	Cable set	\$360	\$ 234.00
3EM16790AK	CDs for backup (50 each)	\$72	\$ 46.80
3EM16790GZ	Server Rack Mount Key board and Tray	\$758	\$ 492.70
<b>Server Workstation Spares</b>			
3EM16790AL	Server Motherboard, incl. video and NIC functions	\$1,020	\$ 663.00
3EM16790AM	Server Processor w/Fan	\$744	\$ 483.60
3EM16790AN	Server Memory 1024MB ea	\$504	\$ 327.60
3EM16790CW	Server Removable Hard Drive (cloned)	\$2,700	\$ 1,755.00
3EM16790GM	Hard Drive Bay Spare	\$480	\$ 2,025.00
3EM16790GQ	Server Removable Power Supply	\$816	\$ 530.40
3EM16790AS	Server 4 Port Serial Card	\$1,020	\$ 663.00
3EM16790AS	Server 4 Port Serial Card	\$1,488	\$ 967.20
3EM16790CV	Server Dual Power Supply w/Cage	\$2,148	\$ 1,398.20
3EM16790HL	Server 8 port Serial Card		



## TSM-8000 Network Management System

Part No	Description	MPSCS MSRP	MPSCS Unit Price
<b>Spare Server/Client Computers</b>			
3EM16790FB	Spare Server computer (rack mount) - with keyboard, WIN 2003, 110 VAC	\$14,808	\$ 9,625.20
3EM16790FC	Spare Server computer (rack mount) - with keyboard, WIN 2003, 220 VAC	\$15,168	\$ 9,859.20
<b>Monitors</b>			
3EM16790EE	Server Monitor, LCD, 17", with bezel, 110 VAC	\$1,992	\$ 1,294.80
3EM16790EF	Server Monitor, LCD, 17", with bezel, 220 VAC	\$2,112	\$ 1,372.80
3EM16790EG	Client/TSM2532 Monitor, LCD, 19", 110 VAC	\$2,640	\$ 1,716.00
3EM16790EH	Client/TSM2532 Monitor, LCD, 19", 220 VAC	\$2,760	\$ 1,794.00
<b>Client Workstation Spares</b>			
3EM16790AT	Client Motherboard	\$540	\$ 351.00
3EM16790AU	Client Processor w/Fan	\$576	\$ 374.40
3EM16790AV	Client Processor w/Fan	\$264	\$ 171.60
3EM16790AV	Client Memory 512MB ea	\$540	\$ 351.00
3EM16790EC	Client Hard Drive (cloned)	\$240	\$ 156.00
3EM16790AY	Client Power Supply	\$264	\$ 171.60
3EM16790AZ	Client Network Card	\$420	\$ 273.00
3EM16790ED	Client Video Card		
<b>Polling Engine</b>			
3EM16790CL	Model 2601, MCS-11 Polling Engine, Linear, TSM-8000 only, 110 VAC	\$5,040	\$ 3,276.00
3EM16790CM	Model 2601, MCS-11 Polling Engine, Linear, TSM-8000 only, 220 VAC	\$5,160	\$ 3,354.00
3EM16790CN	Model 2602, MCS-11 Polling Engine, Ring, TSM-8000 only, 110 VAC	\$5,040	\$ 3,276.00
3EM16790CP	Model 2602, MCS-11 Polling Engine, Ring, TSM-8000 only, 220 VAC	\$5,160	\$ 3,354.00
3EM16790CP	Model 2602, MCS-11 Polling Engine, Ring, TSM-8000 only, 220 VAC	\$5,520	\$ 3,588.00
3EM16790CQ	Model 2603, MCS-11 Polling Engine, High Stability Clk, Linear, TSM-8000 only, 110 VAC	\$5,640	\$ 3,666.00
3EM16790CR	Model 2603, MCS-11 Polling Engine, High Stability Clk, Linear, TSM-8000 only, 220 VAC	\$5,520	\$ 3,588.00
3EM16790CS	Model 2604, MCS-11 Polling Engine, High Stability Clk, Ring, TSM-8000 only, 110 VAC	\$5,640	\$ 3,666.00
3EM16790CT	Model 2604, MCS-11 Polling Engine, High Stability Clk, Ring, TSM-8000 only, 220 VAC	\$5,280	\$ 3,432.00
3EM18968BP	Model 2610, Cooperative Polling Engine	\$432	\$ 280.80
3EM16790CJ	2601 Polling Engine EPROMs	\$432	\$ 280.80
3EM16790CK	2602 Polling Engine EPROMs		
<b>IP Tunnels</b>			
3EM18968BQ	Model 2701, IP Tunnel, 1 port	\$4,800	\$ 3,120.00
3EM18968BR	Model 2705, IP Tunnel, 5 port	\$5,760	\$ 3,744.00
<b>Alarm Encoders</b>			
3EM18968BN	Analog Card for MCS-11, SNMP or LSP Alarm Encoder (s)	\$1,320	\$ 858.00
3EM18968BA	Model 2310, MCS-11 Alarm Encoder with LEDs and analog option	\$6,000	\$ 3,900.00
3EM18968BB	Model 2310, MCS-11 Alarm Encoder	\$4,800	\$ 3,120.00
3EM18968BC	Model 2310, MCS-11 Alarm Encoder with analog option	\$6,120	\$ 3,978.00
3EM18968BD	Model 2310AL, MCS-11 Alarm Encoder with LEDs	\$5,244	\$ 3,408.60
3EM18968BD	Model 2310AL, MCS-11 Alarm Encoder with LEDs	\$6,480	\$ 4,212.00
3EM18968BE	Model 2310AL, MCS-11 Alarm Encoder with LEDs and analog option	\$4,320	\$ 2,808.00
3EM18968BF	Model 2311, SNMP Alarm Encoder	\$5,760	\$ 3,744.00
3EM18968BG	Model 2311, SNMP Alarm Encoder with analog option	\$5,160	\$ 3,354.00
3EM18968BK	Model 2315, LSP Alarm Encoder	\$6,480	\$ 4,212.00
3EM18968BL	Model 2315, LSP Alarm Encoder with analog option	\$2,040	\$ 1,326.00
3EM18968DU	Model 2314, SNMP Alarm Encoder	\$155	\$ 100.75
3EM18968DV	2314 66M Punch Block w/ 5ft cable	\$225	\$ 146.25
3EM18968DW	2314 66M Punch Block w/ 25ft cable		
<b>Other Field Devices</b>			
3EM18968AT	Model 2015, LSP to MCS-11 Protocol Converter	\$5,280	\$ 3,432.00
3EM18968AU	Model 2070, TBOS to MCS-11 Protocol Converter	\$5,520	\$ 3,588.00
3EM18968AV	Model 2110/C, 5 port MCS-11 Bridge/Buffer	\$5,040	\$ 3,276.00
3EM18968AW	Model 2120, 2 port MCS-11 Bridge/Buffer	\$3,840	\$ 2,496.00
3EM18968AY	Model 2130, ELMC Bridge/Buffer	\$5,040	\$ 3,276.00



## TSM-8000 Network Management System

Part No	Description	MPCS MSRP	MPCS Unit Price
3EM18968AZ	Model 2135, LSP Five Port Bridge/Buffer	\$5,400	\$ 3,510.00
3EM18968BY	Model 5115, MCS-11 Test Set USB Adaptor Kit w/ Laptop S/W (WIN 2000 or XP only)	\$1,200	\$ 780.00
3EM18968BZ	Model 5100, Test Set & Model 5115 Adaptor w/ Laptop S/W (WIN 2000 or XP only), 110 VAC	\$5,520	\$ 3,588.00
3EM18968CQ	Model 5100, Test Set & Model 5115 Adaptor w/ Laptop S/W (WIN 2000 or XP only), 220 VAC	\$5,000	\$ 3,250.00
3EM18968CA	Model 5560, Contact Alarm Conditioner	\$1,000	\$ 650.00
3EM18968CB	Model 5561, Server Fail Safe Device	\$1,800	\$ 1,170.00
3EM18968DT	Model 2136 MCS-11 Async Digital Bridge	\$5,400	\$ 3,510.00

**Notes:**

1. Typical TSM-8000 systems consist of one Workstation Kit and one Network Element license. Systems monitoring MCS-11 protocol Network Elements also require a polling engine. Client Workstations are bid as options.
2. The TSM-8000 Server Workstation Kits include one TSM-8000 Client license and software.
3. The TSM-8000 SC (single client) workstation kits combine the client and server on a single machine. The single client system is limited to one user. Single client workstations can be converted to client workstation for a regular TSM-8000.
4. Includes Window 2003 Server License, 10 Windows 2003 Server Client Access Licenses and TSM-8000 Workstation Accessories.
5. Additional Windows 2003 Server Client Access Licenses are available through Microsoft.
6. Includes Windows XP Pro software and license.
7. Includes Windows 2003 Server license and software, and 10 Windows 2003 Server Client Access Licenses.
8. Additional Windows 2003 Server Client Access Licenses are available through Microsoft.
9. Includes Windows XP Pro software and license.
10. Client license is a software key on the server. Client software installations are unlimited if MG Soft license fee is paid.
11. Client license includes three MG soft licenses. One is needed for each client installation. A

Additional MG soft licenses may be purchased as APN 3EM16790CH.

**END of TSM-8000 Price Catalog**



### Nokia Microwave Services

Part No	Group Item	Description	MPSCS MSRP	MPSCS Unit Price
<b>Line of Sight - Path Survey (15-30 GHz)</b>				
SVC-KWIE-ENG-TSE1		LOS Path Survey (single hop system)	\$5,506.00	\$ 2,753.00
SVC-KWIE-ENG-TSE2		LOS Path Survey (1st hop for a connected multi-hop system)	\$5,506.00	\$ 2,753.00
SVC-KWIE-ENG-TSE3		LOS Path Survey (2nd hop* for a connected multi-hop system)	\$4,405.00	\$ 2,202.80
SVC-KWIE-ENG-TSE4		LOS Path Survey (Each single path in a multi-hop system, not connected)	\$5,506.00	\$ 2,753.00
SVC-KWIE-ENG-TSE5		Path Survey Air Fare (per survey/1 Surveyor with equipment shipment)	\$8,000.00	\$ 4,000.00
SVC-KWIE-ENG-TSE6		Additional Survey Reports (on CD ROM)	\$100.00	\$ 50.00
SVC-KWIE-ENG-TSE7		Additional Survey Reports (printed copies)	\$200.00	\$ 100.00
SVC-KWIE-ENG-TSE8		Path Survey (Per Man Day)	\$2,860.00	\$ 1,430.00
<b>Path Survey (&lt;=11 GHz)</b>				
SVC-KWIE-ENG-TSE9		Path Survey (single hop system)	\$7,866.00	\$ 3,933.00
SVC-KWIE-ENG-TSE10		Path Survey (1st hop for a connected multi-hop system)	\$7,866.00	\$ 3,933.00
SVC-KWIE-ENG-TSE11		Path Survey (2nd hop* for a connected multi-hop system)	\$6,292.00	\$ 3,146.00
SVC-KWIE-ENG-TSE12		Path Survey (Each single path in a multi-hop system, not connected)	\$7,866.00	\$ 3,933.00
SVC-KWIE-ENG-TSE13		Path Survey Air Fare (per survey/1 Surveyor with equipment shipment)	\$8,000.00	\$ 4,000.00
SVC-KWIE-ENG-TSE14		Additional Survey Reports (on CD ROM)	\$100.00	\$ 50.00
SVC-KWIE-ENG-TSE15		Additional Survey Reports (printed copies)	\$200.00	\$ 100.00
<b>Path Design</b>				
SVC-KWIE-ENG-TSE16		System Map (1-10 paths)	\$200.00	\$ 100.00
SVC-KWIE-ENG-TSE17		System Map (10+ paths)	\$400.00	\$ 200.00
SVC-KWIE-ENG-TSE18		Path Design (per path)	\$300.00	\$ 150.00
SVC-KWIE-ENG-TSE19		Path Performance Calculations (per path)	\$300.00	\$ 150.00
<b>Frequency Selection/Coordination</b>				
SVC-KWIE-ENG-TSE20		Frequency Selection (2, 6, 6.7, 11 GHz bands / per path)	\$1,700.00	\$ 850.00
SVC-KWIE-ENG-TSE21		Frequency Selection (7, 10, 18, 23 GHz bands / per path)	\$1,486.00	\$ 743.00
SVC-KWIE-ENG-TSE22		Normal 30-day Prior Coordination (per system)	\$620.00	\$ 310.00
SVC-KWIE-ENG-TSE23		Expedited Prior Coordination (1st path)	\$1,834.00	\$ 917.00
SVC-KWIE-ENG-TSE24		Expedited Prior Coordination (2nd path)	\$380.00	\$ 190.00
SVC-KWIE-ENG-TSE25		Major Change Analysis (per path)	\$1,086.00	\$ 543.00
SVC-KWIE-ENG-TSE26		Minor Change Analysis (per path)	\$640.00	\$ 320.00
SVC-KWIE-ENG-TSE27		Prior Coordination Renewal within 6 months of PCN date (1st path)	\$340.00	\$ 170.00
SVC-KWIE-ENG-TSE28		Prior Coordination Renewal 2nd path+ (per path)	\$120.00	\$ 60.00
<b>FCC License Application</b>				
SVC-KWIE-ENG-TSE29		FCC License Application Prep (New/Mod) (per site / Form 601) (2)	\$930.00	\$ 465.00
SVC-KWIE-ENG-TSE30		STA Form Preparation (Note 1)	\$570.00	\$ 285.00
SVC-KWIE-ENG-TSE31		Waiver Preparation (Note 1)	\$430.00	\$ 215.00
SVC-KWIE-ENG-TSE32		Senior Transmission Systems Engineer (per Hour)	\$500.00	\$ 250.00
SVC-KWIE-ENG-TSE33		Transmission Systems Engineer (per Hour)	\$350.00	\$ 175.00
<b>Network Engineering</b>				
SVC-KWIE-ENG-TSE34		Senior Network Engineer (per Hour)	\$500.00	\$ 250.00
SVC-KWIE-ENG-TSE35		Network Engineer (per Hour)	\$350.00	\$ 175.00
SVC-KWIE-ENG-TSE36		Network Engineering Drawings (per Hour)	\$200.00	\$ 100.00
<b>Field Engineering</b>				
SVC-QHIE-ENG-FE1		Field Service Engineer (Per Man Hour)	\$360.00	\$ 180.00
SVC-QHIE-ENG-FE2		Field Living Expenses (per man per calendar day)	\$690.00	\$ 345.00
SVC-QHIE-ENG-FE3		Air Fare (per man) (1 Engineer with equipment shipment)	\$8,000.00	\$ 4,000.00
<b>Field Engineering - Outside Plant</b>				
300054129-FEOSP1		Outside Plant Engineering e.g. Tower Structural Analysis, Grounding, etc. (Per Man Hour)	\$360.00	\$ 180.00
300054129-FEOSP2		Field Living Expenses (per man per calendar day)	\$690.00	\$ 345.00
300054129-FEOSP3		Air Fare (per man) (1 Engineer with equipment shipment)	\$8,000.00	\$ 4,000.00
<b>Installation &amp; Commission (Microwave)</b>				
SVC-QHIE-INST-INCOM1		Microwave Antenna / Tower Installation Services (Per Man Hour)	\$752.00	\$ 376.00
SVC-QHIE-INST-INCOM2		Radio Installation Services (Per Man Hour)	\$632.00	\$ 316.00
SVC-QHIE-INST-INCOM3		Radio Commissioning and Test Services (Per Man Hour)	\$632.00	\$ 316.00
SVC-QHIE-INST-INCOM4		Ancillary Equipment Installation and Test Services (Per Man Hour)	\$632.00	\$ 316.00
SVC-QHIE-INST-INCOM5		Deployment Project Management (Per Man Hour)	\$360.00	\$ 180.00
SVC-QHIE-INST-INCOM6		Field Supervisor (Per Man Hour)	\$368.00	\$ 184.00
SVC-QHIE-INST-INCOM7		Network Management Engineering (Per Man Hour)	\$680.00	\$ 340.00
SVC-QHIE-INST-INCOM8		Field Living Expenses (Per calendar day) (1 Field Engineer)	\$690.00	\$ 345.00
SVC-QHIE-INST-INCOM9		Air Fare (per man) (1 Engineer with equipment shipment)	\$8,000.00	\$ 4,000.00
<b>Program Management Office (PMO)</b>				
300702487		PMI certified project manager skilled in all aspects of managing network deployment projects (Per Hour)	\$344.00	\$172.00
<b>Prohibit Maintenance (5000 MPR)</b>				
301090767		Technical Support Gold (7x24x365 annual rate per hop)	\$440.00	\$220.00
301090775		Standard Repair 45 days (annual rate after warranty per hop)	\$2,010.00	\$1,005.00
301090791		Advanced Exchange Next Day (annual rate per hop)	\$2,160.00	\$1,080.00
<b>Product Training (9500 MPR) at Nokia Facility</b>				
3HE09335AA-TWT42035		TWT42035 9500 MPR (Microwave Packet Radio) Global Market Node (MSS-1/MSS-4/MSS-8) Functional and Hardware Description Per Student @ Nokia facility. Class is 1 day.	\$1,454.00	\$727.00
3HE09335AA-TWT42036		TWT42036 9500 MPR (Microwave Packet Radio) Global Market Node (MSS-1/MSS-4/MSS-8) Common functionality Operation and Maintenance Per Student @ Nokia facility. Class is 1 day.	\$1,454.00	\$727.00
3HE09335AA-TWT42037		TWT42037 9500 MPR Global Market Ethernet Traffic Operations & Maintenance Per Student @ Nokia facility Class is 2 days.	\$2,908.00	\$1,454.00
3HE09335AA-TWT42038		TWT42038 9500 MPR R5 Global Market Terminal (MPR-e/MSS-1c) Functional and Hardware Description Per Student @ Nokia facility. Class is 1 day.	\$1,454.00	\$727.00
3HE09335AA-TWT42039		TWT42039 9500 MPR R5 global market Terminal (MPR-e/MSS-1c) Operations & Maintenance Per Student @ Nokia facility. Class is 3 days.	\$4,362.00	\$2,181.00
<b>Product Training (TSM-8000) at Nokia Facility</b>				
3HE09335AA-3FL30698		3FL30698 TSM-8000 Operations Per Student @ Nokia facility. Class is 2 days.	\$2,908.00	\$1,454.00
3HE09335AA-3FL30699		3FL30699 TSM-8000 Administration Per Student @ Nokia facility. Class is 3 days.	\$4,362.00	\$2,181.00
<b>Product Training (9500 MPR) at Customer Facility</b>				
3HE09335AA-TWT42035-CF		TWT42035 9500 MPR (Microwave Packet Radio) Global Market Node (MSS-1/MSS-4/MSS-8) Functional and Hardware Description Per Min 6 Students @ Customer facility. Each additional Student is \$727 up to Max of 8. Class is 1 day.	\$8,722.00	\$4,361.00
3HE09335AA-TWT42036-CF		TWT42036 9500 MPR (Microwave Packet Radio) Global Market Node (MSS-1/MSS-4/MSS-8) Common functionality Operation and Maintenance Per Min 6 Students @ Customer facility. Each additional Student is \$727 up to Max of 8. Class is 1 day.	\$8,722.00	\$4,361.00
3HE09335AA-TWT42037-CF		TWT42037 9500 MPR Global Market Ethernet Traffic Operations & Maintenance Per Min 6 Students @ Customer facility. Each additional Student is \$1454 up to Max of 8. Class is 2 days.	\$17,444.00	\$8,722.00
3HE09335AA-TWT42038-CF		TWT42038 9500 MPR R5 Global Market Terminal (MPR-e/MSS-1c) Functional and Hardware Description Per Min 6 Students @ Customer facility. Each additional Student is \$727 up to Max of 8. Class is 1 day.	\$8,722.00	\$4,361.00
3HE09335AA-TWT42039-CF		TWT42039 9500 MPR R5 global market Terminal (MPR-e/MSS-1c) Operations & Maintenance Per Min 6 Students @ Customer facility. Each additional Student is \$2181 up to Max of 8. Class is 3 days.	\$26,172.00	\$13,086.00

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Nokia Microwave Services				
Part No	Group Item	Description	MPCS MSRP	MPCS Unit Price
<b>Product Training (TSM-8000) at Customer Facility</b>				
3HE09335AA-3FL30698-CF		3FL30698 TSM-8000 Operations Per Min 6 Students @ Customer facility. Each additional Student is \$1454 up to Max of 8. Class is 2 days.	\$17,444.00	\$8,722.00
3HE09335AA-3FL30699-CF		3FL30699 TSM-8000 Administration Per Min 6 Students @ Customer facility. Each additional Student is \$2181 up to Max of 8. Class is 3 days.	\$26,166.00	\$13,083.00
<b>Onsite Fees for Training (9500-MPR/TSM-8000) at Customer Facility</b>				
3HE09335AA-OSF-CF-5		Instructor T&L On-Site Fee - \$3,190 for each 5 days of training.	\$6,380.00	\$3,190.00
3HE09335AA-OSF-CF-4		Instructor T&L On-Site Fee - \$2,890 for each 4 days of training.	\$5,780.00	\$2,890.00
3HE09335AA-OSF-CF-3		Instructor T&L On-Site Fee - \$2,600 for each 3 days of training.	\$5,200.00	\$2,600.00
3HE09335AA-OSF-CF-2		Instructor T&L On-Site Fee - \$2,180 for each 2 days of training.	\$4,360.00	\$2,180.00
3HE09335AA-OSF-CF-1		Instructor T&L On-Site Fee - \$1,760 for each 1 days of training.	\$3,520.00	\$1,760.00
3HE09335AA-OSF-EF		On-site Equipment Fee - \$800 per class. If remotely access Nokia equipment	\$1,600.00	\$ 800.00
3HE09335AA-OSF-EF-S		On-site Equipment Fee, if shipped from Nokia (9500 MPR or TSM-8000) to customer site for use during training. \$3,500 for each class requiring shipped equipment (Per Round Trip)	\$7,000.00	\$ 3,500.00

**Notes:**

- 1 Does not include FCC fees, if any
- 2 Pricing does not apply to states with prevailing wages statutes and can be quoted upon request
- 3 SVC-KWIE-ENG, SVC-QHIE-ENG, SVC-QHIE-INST requires the description to be included with all orders
- 4 A Man Day is considered to be 8 hours.
- 5 For Training Two Options are provided: 1 - is per-student at Nokia facility; 2 - is per-session at customer location.
- 6 The maximum number of students allowable for instructor-led classes is 6 students. Minimum class size for onsite training is 6 students.
- 7 Customer is responsible for all travel arrangements and expenses for their students when traveling to an Alcatel-Lucent site for training
- 8 Training prices do not include duties or taxes, which shall be Customer's responsibility.
- 9 For Training classes - Customer cancellation within business fifteen (15) days of the scheduled training will result in the full amount of the course being billed.
- 10 Onsite Training - A suitable classroom and classroom equipment to meet the student's needs, including the use of an overhead projector, whiteboard/chalkboard & markers, along with customer technical documentation should be provided by the customer.
- 11 If the Customer is providing the training equipment for a practical (hands-on) course, it must be free of live traffic, dedicated and available for training purposes only.
- 12 An adequate supply of terminals (PC/laptop) connected to the training platform with access to Internet is required. The standard is one terminal for two trainees.

**End of Nokia Microwave Services**

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## **IP Routing Products**

**Customer: State of Michigan**

**Notes:**

- 1) Prices valid until 12/31/2022
- 2) Prices shown for "drop ship" only. Does not include Taxes or any other configurations.
- 3) Prices shown are for FOB origin, Freight Prepaid and Charged.



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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>7450 ESS/7750 SR</b>			
<b>Chassis Bundles</b>			
3HE09266AA	BNDL 7450 ESS-7 Chassis + SFM5/CPM5	\$ 76,995	\$ 46,197
3HE09267AA	BNDL -7450 ESS-12 Chassis + SFM5/CPM5	\$ 120,000	\$ 72,000
3HE11362AA	BNDL 7450 ESS SR-7-B Chassis SFM5/CPM5	\$ 91,000	\$ 54,600
3HE11363AA	BNDL 7450 ESS SR-12-B Chassis SFM5/CPM5	\$ 142,350	\$ 85,410
<b>Software</b>			
3HE00241RA	OS - 7450 ESS-6/6v/7/12 R14.0 OS LICENSE	\$ 5,000	\$ 3,000
3HE00241TA	OS - 7450 ESS-7/12 R15.0 OS LICENSE	\$ 5,000	\$ 3,000
3HE10641AA	RTU - SROS ADV DC GW and Svc Chain	\$ 40,000	\$ 24,000
3HE06486AA	RTU - 7x50 ESM BASE LICENSE	\$ 20,000	\$ 12,000
3HE06487AA	RTU - 7x50 ESM LICENSE - 4K SUB-HOSTS	\$ 4,000	\$ 2,400
3HE06488AA	RTU - 7x50 ESM LICENSE - 16K SUB-HOSTS	\$ 12,000	\$ 7,200
3HE06489AA	RTU - 7x50 ESM LICENSE - 32K SUB-HOSTS	\$ 20,000	\$ 12,000
3HE06490AA	RTU - 7x50 ESM LICENSE - 64K SUB-HOSTS	\$ 32,000	\$ 19,200
3HE06491AA	RTU - 7x50 ESM LICENSE - 128K SUB-HOSTS	\$ 60,000	\$ 36,000
3HE09287AA	RTU - 7x50 ESM LICENSE - 256K SUB-HOSTS	\$ 100,000	\$ 60,000
3HE06493AA	RTU - 7x50 LI LICENSE	\$ 20,000	\$ 12,000
<b>SR-OS OpenFlow Switch Licenses</b>			
3HE09028AA	RTU - SROS Hybrid OpenFlow Switch	\$ 40,000	\$ 24,000
<b>Switch Fabric/Control Processor Module (SF/CPMs)</b>			
3HE09262AA	SFM - 7450 ESS SFM5-12 + CPM5	\$ 104,000	\$ 62,400
3HE09263AA	SFM - 7450 ESS SFM5-7 + CPM5	\$ 54,500	\$ 32,700
<b>Input/Output Module (IOMs)</b>			
3HE08427AA	IOM - 7450 ESS IOM3-XP-C	\$ 37,500	\$ 22,500
3HE09648AA	IOM - 7750 SR IOM4-e L3HQ	\$ 422,500	\$ 253,500
3HE09648BA	IOM - 7750 SR IOM4-e L3BQ	\$ 125,000	\$ 75,000
3HE09648CA	IOM - 7750 SR IOM4-e L2HQ	\$ 250,000	\$ 150,000
3HE10717AA	IOM - 7750 SR IOM4-e-B L3HQ	\$ 422,500	\$ 253,500
3HE10717BA	IOM - 7750 SR IOM4-e-B L3BQ	\$ 125,000	\$ 75,000
3HE10717CA	IOM - 7750 SR IOM4-e-B L2HQ	\$ 250,000	\$ 150,000
<b>Integrated Media Modules GE (IMM's)</b>			
3HE10014AA	IMM - 160-PT GE cSFP/80-pt GE SFP - L3HQ	\$ 570,000	\$ 342,000
3HE10014BA	IMM - 160-PT GE cSFP/80-pt GE SFP - L3BQ	\$ 324,000	\$ 194,400
3HE10014CA	IMM - 160-PT GE cSFP/80-pt GE SFP - L2HQ	\$ 432,000	\$ 259,200
3HE09279AA	IMM - 7x50 48-PT GE Rev C SFP - L3HQ	\$ 285,000	\$ 171,000
3HE09279BA	IMM - 7x50 48-PT GE Rev C SFP - L3BQ	\$ 135,000	\$ 81,000
3HE09279CA	IMM - 7x50 48-PT GE Rev C SFP - L2HQ	\$ 155,000	\$ 93,000
<b>Integrated Media Modules 10GE (IMM's)</b>			
3HE07158CA	IMM 7x50 12-PT 10GE MultiCore SFP+ L2HQ	\$ 360,000	\$ 216,000
3HE07158BA	IMM 7x50 12-PT 10GE MultiCore SFP+ L3BQ	\$ 270,000	\$ 162,000
3HE07158AA	IMM 7x50 12-PT 10GE MultiCore SFP+ L3HQ	\$ 475,000	\$ 285,000
3HE07305CA	IMM - 7x50 20-PT 10GE SFP+ - L2HQ	\$ 540,000	\$ 324,000
3HE07305BA	IMM - 7x50 20-PT 10GE SFP+ - L3BQ	\$ 405,000	\$ 243,000
3HE07305AA	IMM - 7x50 20-PT 10GE SFP+ - L3HQ	\$ 712,500	\$ 427,500
<b>Integrated Media Modules 40GE (IMM's)</b>			
3HE07304CA	IMM - 7x50 6-PT 40GE QSFP+ - L2HQ	\$ 540,000	\$ 324,000
3HE07304BA	IMM - 7x50 6-PT 40GE QSFP+ - L3BQ	\$ 405,000	\$ 243,000
3HE07304AA	IMM - 7x50 6-PT 40GE QSFP+ - L3HQ	\$ 712,500	\$ 427,500
<b>Integrated Media Modules Combo (IMM's)</b>			
3HE08020CA	IMM -7750 1-PT 100GE + 10-PT 10GE- L2HQ	\$ 642,000	\$ 385,200
3HE08020BA	IMM -7750 1-PT 100GE + 10-PT 10GE - L3BQ	\$ 488,000	\$ 292,800
3HE08020AA	IMM -7750 1-PT 100GE + 10-PT 10GE - L3HQ	\$ 788,000	\$ 472,800
3HE08174AA	IMM - 7x50 10-PT 10GE + 20-PT GE L3HQ	\$ 500,000	\$ 300,000
3HE08174BA	IMM - 7x50 10-PT 10GE + 20-PT GE L3BQ	\$ 325,000	\$ 195,000
3HE08174CA	IMM - 7x50 10-PT 10GE + 20-PT GE L2HQ	\$ 400,000	\$ 240,000
3HE08175AA	IMM - 7x50 3-PT 40GE + 20-PT GE L3HQ	\$ 500,000	\$ 300,000
3HE08175BA	IMM - 7x50 3-PT 40GE + 20-PT GE L3BQ	\$ 325,000	\$ 195,000
3HE08175CA	IMM - 7x50 3-PT 40GE + 20-PT GE L2HQ	\$ 400,000	\$ 240,000
<b>Integrated Media Modules 100GE (IMM's)</b>			
3HE07159CA	IMM 7x50 1-PT 100GE MultiCore CFP L2HQ	\$ 495,000	\$ 297,000
3HE07159BA	IMM 7x50 1-PT 100GE MultiCore CFP L3BQ	\$ 380,000	\$ 228,000
3HE07159AA	IMM 7x50 1-PT 100GE MultiCore CFP L3HQ	\$ 575,000	\$ 345,000
3HE07303CA	IMM - 7x50 2-PT 100GE CFP L2HQ	\$ 742,500	\$ 445,500
3HE07303BA	IMM - 7x50 2-PT 100GE CFP L3BQ	\$ 570,000	\$ 342,000
3HE07303AA	IMM - 7x50 2-PT 100GE CFP L3HQ	\$ 862,500	\$ 517,500
<b>Integrated Media Modules (IMM's) - IMM SW License Upgrades</b>			
3HE08176AA	RTU - IMM 6x40G LIC UP - L2HQ to L3HQ	\$ 265,000	\$ 159,000
3HE08177AA	RTU - IMM 6x40G LIC UP - L3BQ to L3HQ	\$ 465,000	\$ 279,000
3HE05889AC	RTU - IMM 48x1G LIC UP - L2HQ to L3HQ	\$ 150,000	\$ 90,000
3HE05889BC	RTU - IMM 48x1G LIC UP - L3BQ to L3HQ	\$ 170,000	\$ 102,000
3HE06304AA	RTU - IMM 12x10GE LIC UP - L2HQ to L3HQ	\$ 135,000	\$ 81,000
3HE06305AA	RTU - IMM 12x10GE LIC UP - L3BQ to L3HQ	\$ 235,000	\$ 141,000
3HE10425AA	RTU - IMM 160xGE LIC UP - L2HQ to L3HQ	\$ 175,000	\$ 105,000
3HE10426AA	RTU - IMM 160xGE LIC UP - L3BQ to L3HQ	\$ 310,000	\$ 186,000
3HE08178AA	RTU - IMM 20x10GE LIC UP - L2HQ to L3HQ	\$ 225,000	\$ 135,000
3HE08179AA	RTU - IMM 20x10GE LIC UP - L3BQ to L3HQ	\$ 390,000	\$ 234,000



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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE06306AA	RTU - IMM 1x100G LIC UP - L2HQ to L3HQ	\$ 95,000	\$ 57,000
3HE06307AA	RTU - IMM 1x100G LIC UP - L3BQ to L3HQ	\$ 225,000	\$ 135,000
<b>Integrated Service Adapters (ISA) + Integrated Service Module (MS-ISM) + Combo IMM + ISA2</b>			
3HE09117AA	ISM- 7x50 Multiservice ISM-MS	\$ 160,000	\$ 96,000
3HE09118AA	ISM - 7x50 Multiservice ISM-MS-E	\$ 160,000	\$ 96,000
3HE10427AA	ISA - 7750 SR ISA2-MS	\$ 50,000	\$ 30,000
3HE10428AA	ISA - 7750 SR ISA2-MS-E	\$ 50,000	\$ 30,000
3HE09192AA	IMM - 7x50 ISA2 + 1-pt 100GE CFP L3HQ	\$ 655,000	\$ 393,000
3HE09192BA	IMM - 7x50 ISA2 + 1-pt 100GE CFP L3BQ	\$ 460,000	\$ 276,000
3HE09192CA	IMM - 7x50 ISA2 + 1-pt 100GE CFP L2HQ	\$ 575,000	\$ 345,000
3HE09193AA	IMM - 7x50 ISA2 + 10-pt 10GE SFP+ L3HQ	\$ 475,000	\$ 285,000
3HE09193BA	IMM - 7x50 ISA2 + 10-pt 10GE SFP+ L3BQ	\$ 300,000	\$ 180,000
3HE09193CA	IMM - 7x50 ISA2 + 10-pt 10GE SFP+ L2HQ	\$ 380,000	\$ 228,000
3HE09253AA	IMM 7x50 MS-ISA2-E + 1pt 100GE CFP L3HQ	\$ 655,000	\$ 393,000
3HE09253BA	IMM 7x50 MS-ISA2-E + 1pt 100GE CFP L3BQ	\$ 460,000	\$ 276,000
3HE09253CA	IMM 7x50 MS-ISA2-E + 1pt 100GE CFP L2HQ	\$ 575,000	\$ 345,000
3HE09254AA	IMM 7x50 MS-ISA2-E + 10pt 10G SFP+ L3HQ	\$ 475,000	\$ 285,000
3HE09254BA	IMM 7x50 MS-ISA2-E + 10pt 10G SFP+ L3BQ	\$ 300,000	\$ 180,000
3HE09254CA	IMM 7x50 MS-ISA2-E + 10pt 10G SFP+ L2HQ	\$ 380,000	\$ 228,000
3HE09120AA	RTU - 12M flow NAT License	\$ 55,000	\$ 33,000
3HE09121AA	RTU - 24M flow NAT License	\$ 100,000	\$ 60,000
3HE05143AA	RTU - AA first 1G Identification & CNTL	\$ 1,000	\$ 600
3HE05144AA	RTU - AA Identification only - per 1G	\$ 8,000	\$ 4,800
3HE05145AA	RTU - AA Identification only per 10G	\$ 40,000	\$ 24,000
3HE04930AA	RTU - AA Res Aggregate CNTL per 1G	\$ 2,000	\$ 1,200
3HE04927AA	RTU - AA Res Aggregate CNTL per 10G	\$ 10,000	\$ 6,000
3HE05146AA	RTU - AA Subscriber/Site CNTL per 1G	\$ 12,000	\$ 7,200
3HE05147AA	RTU - AA Subscriber/Site CNTL per 10G	\$ 40,000	\$ 24,000
3HE05149AA	RTU - Video base software license	\$ 30,000	\$ 18,000
3HE05151AA	RTU - FCC/RET license - 1K subscribers	\$ 6,500	\$ 3,900
3HE05152AA	RTU - FCC/RET license 10K subscribers	\$ 40,000	\$ 24,000
3HE07279AA	RTU - AA RTP Performance per 1G	\$ 5,000	\$ 3,000
3HE06418AA	RTU - AA RTP Performance per 10G	\$ 25,000	\$ 15,000
3HE06520AA	RTU - Enable RTP Performance	\$ -	\$ -
3HE07777AA	RTU - AA Stateful Firewall per 10G	\$ 50,000	\$ 30,000
3HE08228AA	RTU IBN Res 10k Subs	\$ 10,000	\$ 6,000
3HE05148AA	RTU - IPsec software license	\$ 30,000	\$ 18,000
3HE07776AA	RTU - IPsec Multi-Chassis Redundancy	\$ 5,000	\$ 3,000
3HE09017AA	RTU - IPsec IKEv2 - 1K -Tunnel	\$ 1,500	\$ 900
3HE09018AA	RTU - IPsec IKEv2 - 10K Tunnels	\$ 12,000	\$ 7,200
3HE09285AA	RTU - IPsec License per ISA2	\$ 185,000	\$ 111,000
3HE09286AA	RTU - IPsec ISA2 MultiChassis License	\$ 30,000	\$ 18,000
3HE09968AA	RTU AA URL Filter Res 10k Subs	\$ 10,000	\$ 6,000
3HE09969AA	RTU AA URL Filter 10 Gbps	\$ 10,000	\$ 6,000
3HE10017AA	RTU AA ICAP control Res 10K Subs	\$ 100,000	\$ 60,000
<b>Ethernet MDA-e</b>			
3HE10429AA	MDA-e - 7750 SR 6-port 10GE SFP+ MDA-e	\$ 87,000	\$ 52,200
3HE09649AA	MDA-e - 7750 SR 10-port 10GE SFP+ MDA-e	\$ 145,000	\$ 87,000
3HE09881AA	MDA-e - 7750 SR 1-port 100GE CFP2 MDA-e	\$ 185,000	\$ 111,000
3HE11030AA	MDA-e 2-PT 100GE CFP4 MDA-e	\$ 240,000	\$ 144,000
3HE11031AA	MDA-e 2-PT 100GE QSFP28 MDA-e	\$ 240,000	\$ 144,000
3HE10016AA	RTU - Enable OTN support MDA-e	\$ 35,000	\$ 21,000
<b>Ethernet MDA-XP</b>			
3HE03614AA	MDA - 7450 10-PT GE MDA -XP SFP	\$ 11,995	\$ 7,197
3HE03615AA	MDA - 7450 20-PT GE MDA-XP SFP	\$ 28,995	\$ 17,397
3HE03687AA	MDA - 7450 ESS 2-PT 10G MDA-XP - XFP	\$ 60,995	\$ 36,597
3HE03688AA	MDA - 7450 ESS 4-PT 10G MDA-XP - XFP	\$ 98,995	\$ 59,397
3HE04273AA	MDA - 7450 ESS 1-PT 10G MDA-XP - XFP	\$ 27,995	\$ 16,797
3HE05159AA	MDA - 7450 48-PT 10/100/1000-TX MDA-XP	\$ 60,995	\$ 36,597
3HE07283AA	MDA 7450 2x10GE XFP + 12x1GE SFP MDA-XP	\$ 65,995	\$ 39,597
3HE07285AA	MDA - 7450 ESS 12-pt 1GE MDA-XP	\$ 19,995	\$ 11,997
<b>Services Modules</b>			
3HE05942AA	VSM - 7x50 VSM-XP	\$ 40,000	\$ 24,000
<b>Cables</b>			
3HE05550AA	CBL - 10/100/1000 MINI-RJ21 - RJ45 2m	\$ 600	\$ 360
3HE05551AA	CBL - 10/100/1000 MINI-RJ21 - RJ45 5m	\$ 800	\$ 480
<b>Electrical Optics Modules</b>			
3HE06562AA	SFP - STM1 Electrical -40/ 85C	\$ 1,100	\$ 660
<b>100/1000Base Ethernet Optics Modules</b>			
3HE05164AA	SFP - 100/1000 LX SGMII 10KM DDM R6/6	\$ 1,200	\$ 720
<b>GigE Optics Modules</b>			
3HE00027CA	SFP - GIGE SX - LC ROHS 6/6 DDM -40/85C	\$ 345	\$ 207
3HE00028CA	SFP - GIGE LX - LC ROHS 6/6 DDM -40/85C	\$ 995	\$ 597
3HE00029CA	SFP - GIGE ZX - LC ROHS 6/6 DDM -40/85C	\$ 4,995	\$ 2,997
3HE00062CB	SFP - GIGE BASE-T RJ45 R6/6 DDM -40/85C	\$ 400	\$ 240
3HE00070CA	SFP GIGE CWDM-1471 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CB	SFP GIGE CWDM-1491 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE00070CC	SFP GIGE CWDM-1511 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CD	SFP GIGE CWDM-1531 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CE	SFP GIGE CWDM-1551 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CF	SFP GIGE CWDM-1571 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CG	SFP GIGE CWDM-1591 120K R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE00070CH	SFP GIGE CWDM-1611 120K R6/6 DDM -40/85C	\$ 1,995	\$ 1,197
3HE00867CA	SFP - GIGE EX - LC ROHS 6/6 DDM -40/85C	\$ 1,400	\$ 840
3HE00868CA	SFP - GIGE BX10-U - LC R6/6 DDM -40/85C	\$ 1,400	\$ 840
3HE00868CB	SFP - GIGE BX10-D - LC R6/6 DDM -40/85C	\$ 7,500	\$ 4,500
3HE01389CA	SFP - GIGE EZX - LC ROHS 6/6 DDM -40/85C	\$ 2,600	\$ 1,560
3HE04324AA	SFP - GIGE BX40-U ROHS-6/6 - LC	\$ 2,600	\$ 1,560
3HE04324AB	SFP - GIGE BX40-D ROHS-6/6 - LC	\$ 2,600	\$ 1,560
3HE04939CA	SFP GIGE CWDM-1471 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CB	SFP GIGE CWDM-1491 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CC	SFP GIGE CWDM-1511 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CD	SFP GIGE CWDM-1531 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CE	SFP GIGE CWDM-1551 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CF	SFP GIGE CWDM-1571 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CG	SFP GIGE CWDM-1591 40K R6/6 DDM 0/70C	\$ 2,600	\$ 1,560
3HE04939CH	SFP GIGE CWDM-1611 40K R6/6 DDM 0/70C	\$ 4,995	\$ 2,997
3HE05936CA	SFP GIGE CWDM-1471 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CB	SFP GIGE CWDM-1491 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CC	SFP GIGE CWDM-1511 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CD	SFP GIGE CWDM-1531 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CE	SFP GIGE CWDM-1551 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CF	SFP GIGE CWDM-1571 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CG	SFP GIGE CWDM-1591 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
3HE05936CH	SFP GIGE CWDM-1611 80KM R6/6 DDM -0/70C	\$ 4,995	\$ 2,997
<b>10GigE Optics Modules (XFP)</b>			
3HE00564CA	XFP - 10GE LR - LC ROHS 6/6 0/70C	\$ 3,995	\$ 2,397
3HE00566CA	XFP - 10GE SR - LC ROHS 6/6	\$ 2,995	\$ 1,797
3HE00876CA	XFP - 10GE ER - LC ROHS 6/6 0/70C	\$ 11,995	\$ 7,197
3HE01545CA	XFP - 10GE ZR - LC ROHS 6/6	\$ 19,995	\$ 11,997
3HE05761CA	XFP - 10GE EZX - LC ROHS6/6 0/70C	\$ 29,000	\$ 17,400
3HE05830CA	XFP - 10GE SR - LC ROHS 6/6 -40/85C	\$ 2,995	\$ 1,797
3HE05831CA	XFP - 10GE LR - LC ROHS 6/6 -40/85C	\$ 3,995	\$ 2,397
3HE05832CA	XFP - 10GE ER - LC ROHS 6/6 -40/85C	\$ 11,995	\$ 7,197
3HE05833CA	XFP - 10GE ZR - LC ROHS 6/6 -40/85C	\$ 19,995	\$ 11,997
3HE04999CA	XFP - 10G DWDM TUNABLE - LC R6/6 0/70C	\$ 27,500	\$ 16,500
3HE06310CA	XFP 10GE CWDM 1471 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CB	XFP 10GE CWDM 1491 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CC	XFP 10GE CWDM 1511 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CD	XFP 10GE CWDM 1531 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CE	XFP 10GE CWDM 1551 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CF	XFP 10GE CWDM 1571 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CG	XFP 10GE CWDM 1591 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE06310CH	XFP 10GE CWDM 1611 40KM R6/6 DDM -40/85C	\$ 11,995	\$ 7,197
3HE08411CA	XFP 10GE CWDM 1471 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CB	XFP 10GE CWDM 1491 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CC	XFP 10GE CWDM 1511 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CD	XFP 10GE CWDM 1531 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CE	XFP 10GE CWDM 1551 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CF	XFP 10GE CWDM 1571 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CG	XFP 10GE CWDM 1591 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
3HE08411CH	XFP 10GE CWDM 1611 70KM R6/6 DDM -40/85C	\$ 19,995	\$ 11,997
<b>10GigE Optics Modules (SFP+)</b>			
3HE04824AA	SFP+ 10GE SR - LC ROHS6/6 0/70C	\$ 2,995	\$ 1,797
3HE04823AA	SFP+ 10GE LR - LC ROHS6/6 0/70C	\$ 3,995	\$ 2,397
3HE05036AA	SFP+ 10GE ER - LC ROHS6/6 0/70C	\$ 11,995	\$ 7,197
3HE05894AA	SFP+ 10GE ZR - LC ROHS6/6 0/70C	\$ 19,995	\$ 11,997
3HE07161CA	SFP+ 10GE CWDM 1471 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CB	SFP+ 10GE CWDM 1491 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CC	SFP+ 10GE CWDM 1511 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CD	SFP+ 10GE CWDM 1531 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CE	SFP+ 10GE CWDM 1551 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CF	SFP+ 10GE CWDM 1571 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CG	SFP+ 10GE CWDM 1591 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE07161CH	SFP+ 10GE CWDM 1611 40km R6/6 DDM 0/70C	\$ 11,995	\$ 7,197
3HE05037AA	SFP+ 10GE BX10-U LC ROHS6/6 0/70C	\$ 3,995	\$ 2,397
3HE05037AB	SFP+ 10GE BX10-D LC ROHS6/6 0/70C	\$ 3,995	\$ 2,397
3HE10365CA	SFP+ 10GE CWDM 1471 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CB	SFP+ 10GE CWDM 1491 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CC	SFP+ 10GE CWDM 1511 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CD	SFP+ 10GE CWDM 1531 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CE	SFP+ 10GE CWDM 1551 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CF	SFP+ 10GE CWDM 1571 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
3HE10365CG	SFP+ 10GE CWDM 1591 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997

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Part No	Description	Unit GLP	Unit Sell Price
3HE10365CH	SFP+ 10GE CWDM 1611 70km R6/6 DDM 0/70C	\$ 19,995	\$ 11,997
<b>40GE Optics Modules (QSFP)</b>			
3HE06485AA	QSFP - 40GE LR4 10KM LC ROHS6/6 0/70	\$ 10,000	\$ 6,000
<b>100GE Optics Modules (CFP)</b>			
3HE04821BA	CFP - 100G LR4 10KM LC LOW PWR 0/70C	\$ 75,000	\$ 45,000
3HE06699BA	CFP - 100G ER4 40KM LC LOW PWR 0/70C	\$ 170,000	\$ 102,000
3HE06771AA	CFP - 100GE SR10 MPO ROHS6/6 0/70C	\$ 17,500	\$ 10,500
3HE09437AA	CFP - 100G ZR 80KM LC R6/6 0/70C	\$ 180,000	\$ 108,000
<b>100GE Optics Modules (CFP2)</b>			
3HE08312AA	CFP2 - 100GE SR10 MPO ROHS6/6 0/70C	\$ 35,000	\$ 21,000
3HE08217AA	CFP2 - 100G LR4 10KM LC ROHS6/6 0/70C	\$ 60,000	\$ 36,000
3HE09255AA	CFP2 - OTU4 ER4 40KM LC ROHS6/6 0/70C	\$ 140,000	\$ 84,000
<b>SONET Optics Modules</b>			
3HE00034CA	SFP - OC-3/STM-1 MM-LC R6/6 DDM -40/85C	\$ 1,200	\$ 720
3HE00035CA	SFP - OC-3/STM-1 IR-1 R6/6 DDM -40/85C	\$ 1,200	\$ 720
3HE00036CA	SFP - OC-3/STM-1 LR-1 R6/6 DDM -40/85C	\$ 1,600	\$ 960
3HE00041CA	SFP - OC-12/STM-4 IR-1 R6/6 DDM -40/85C	\$ 1,500	\$ 900
3HE00045CA	SFP - OC-48/STM-16 SR-1 R6/6 DDM -40/85C	\$ 5,000	\$ 3,000
3HE00046CA	SFP - OC-48/STM-16 IR-1 R6/6 DDM -40/85C	\$ 6,500	\$ 3,900
3HE00410CA	SFP - OC-48/STM-16 LR-2 R6/6 DDM -40/85C	\$ 12,000	\$ 7,200
<b>Upgrade Kits</b>			
3HE04141AA	UPG - 7450 ESS-12 PEM-3 + IMP PNL	\$ 8,000	\$ 4,800
3HE04142AA	UPG -7450 ESS-7 PEM-3 + IMP PNL	\$ 6,000	\$ 3,600
<b>Chassis Power (Power Entry Modules)</b>			
3HE03664AA	PEM - 7450 ESS-7 100A DC PEM-3 SLOT 2	\$ 1,500	\$ 900
3HE03665AA	PEM - 7450 ESS-7 100A DC PEM-3 SLOT 1	\$ 1,500	\$ 900
3HE03666AA	PEM - 7450 ESS-12 175A DC PEM-3	\$ 4,000	\$ 2,400
3HE04500AA	PWR FLT - 7450 ESS-7 100 AMP PWR FILTER	\$ 1,500	\$ 900
3HE04517AA	PEM 7450 ESS-7 Slot 1 DC PEM-3 + PWR FLT	\$ 3,000	\$ 1,800
3HE04518AA	PEM 7450 ESS-7 Slot 2 DC PEM-3 + PWR FLT	\$ 3,000	\$ 1,800
<b>Chassis Power (External Power)</b>			
3HE02786BA	REC - SR/ESS-6/6w/7 VAL AC PWR SHELF	\$ 2,500	\$ 1,500
3HE02787AA	REC - SR/ESS VAL 2.5KW AC PW SUP	\$ 2,000	\$ 1,200
3HE02944AA	REC - SR/ESS AC PWR SHELF BLANKS	\$ 150	\$ 90
3HE03065BA	REC -SR/ESS-7 AC PWR BNDL - INTL	\$ 10,500	\$ 6,300
3HE04172AA	REC - ESS/SR-12 VAL AC UN-SPLIT SHELF	\$ 2,500	\$ 1,500
3HE04174AA	REC - ESS/SR-12 VAL AC BNDL - INTL	\$ 21,850	\$ 13,110
<b>Power Cords and Status Cables</b>			
3HE00514AA	CBL - AC PWR CBL 220V	\$ 75	\$ 45
3HE02945AA	CBL - SR/ESS-6 AC REC STATUS CBL	\$ 125	\$ 75
3HE02946AA	CBL - SR/ESS 2500W AC VAL PWR CORD INT	\$ 75	\$ 45
3HE02947AA	CBL -VAL SPLIT SHELF STAT CBL	\$ 125	\$ 75
3HE04173AA	CBL - SR/ESS-12 AC REC STATUS CBL	\$ 125	\$ 75
3HE04519AA	CBL -SR/ESS-7 VAL SPLIT SHELF STAT CBL	\$ 125	\$ 75
<b>Spare Parts</b>			
3HE10852AA	CH-BN - 7750 SR-7-B DC w/PEM3 + EFT	\$ 40,800	\$ 24,480
3HE10854AA	CH-BN - 7750 SR-12-B w/PEM3 + EFT	\$ 60,000	\$ 36,000
3HE10766AA	CHAS - 7750 SR-7-B CHASSIS SPARE ROHS6/6	\$ 35,000	\$ 21,000
3HE10768AA	CHAS - 7750 SR-12-B CHASSIS SPARE ROHS6/6	\$ 45,000	\$ 27,000
3HE08431AA	SFM - 7450 ESS SFM5-7	\$ 35,000	\$ 21,000
3HE08432AA	CFM - 7450 ESS CPM5	\$ 60,000	\$ 36,000
3HE08430AA	SFM - 7450 ESS SFM5-12	\$ 55,000	\$ 33,000
3HE00014AA	FLT - 7x50 ESS-6w/12 SR-12 AIR FILTER	\$ 100	\$ 60
3HE00190AA	FLT - 7x50 SR/ESS-7 AIR FILTER	\$ 90	\$ 54
3HE00245AA	CHAS - 7450 ESS-7 AC/DC CHASSIS SPARE	\$ 25,000	\$ 15,000
3HE00387DB	CH-BN - 7450 ESS-7 w/PEM3 + EFT	\$ 35,000	\$ 21,000
3HE10312AA	ACC - IOM4e/SRe MDA IMP PNL	\$ 700	\$ 420
3HE01053AA	ACC - 7450 MDA SLOT BLANK	\$ 100	\$ 60
3HE01674AA	ACC -SR/ESS-7 MOUNT BRACKET	\$ 125	\$ 75
3HE08703AA	SAR-W/Wx - CONSOLE CBL, 5 FT w RJ45 to DB9 adapter.	\$ 100	\$ 60
3HE01881AA	LUG - SR/ESS-6/7 GD/PWR LUGS-5	\$ 125	\$ 75
3HE01881CA	LUG - SR/ESS-7 GD/PWR LUGS-5	\$ 125	\$ 75
3HE01882BA	LUG - SR/ESS-12 GD/PWR LUGS-5 FOR PEM-3	\$ 125	\$ 75
3HE07757AA	ACC - 7x50 Power Terminal Cover (2 pack)	\$ 150	\$ 90
3HE02033CA	CH-BN - 7450 ESS-12 w/PEM3 + EFT	\$ 50,995	\$ 30,597
3HE02036AA	CHAS - 7450 ESS-12 CHASSIS & FLT	\$ 33,500	\$ 20,100
3HE02943AA	ESS-12 MOUNTING BRACKETS SPARE	\$ 175	\$ 105
3HE04149AA	ACC - 7450 ESS IMP PNL - 1	\$ 150	\$ 90
3HE04150AA	ACC - 7450 ESS IMP PNL - 5	\$ 750	\$ 450
3HE04608AA	ACC - 7450 ESS-12 SLOT PEM-3 UPGRADE	\$ 125	\$ 75
3HE04609AA	ACC - 7450 ESS-7 SLOT PEM-3 UPGRADE	\$ 125	\$ 75
3HE04707AA	CF - 4GB COMPACT FLASH	\$ 1,400	\$ 840
3HE04708AA	CF - 8GB COMPACT FLASH	\$ 2,300	\$ 1,380
3HE06083AA	CF - 32GB COMPACT FLASH	\$ 7,000	\$ 4,200
3HE05107AA	FAN - 7450 ESS-12 Enhanced Fan Tray	\$ 2,900	\$ 1,740
3HE05181AA	FAN - 7450 ESS-7 Enhanced Fan Tray	\$ 4,800	\$ 2,880
3HE07904AA	ACC - Dust Cover - CFP (x2)	\$ 300	\$ 180

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Part No	Description	Unit GLP	Unit Sell Price
3HE07905AA	ACC - Dust Cover - SFP (x20)	\$ 300	\$ 180
3HE07906AA	ACC - Dust Cover - XFP/QSFP+ (x10)	\$ 300	\$ 180
3HE07907AA	ACC - Dust Cover - CXP (x10)	\$ 300	\$ 180
3HE09904AA	ACC - Dust Cover - CFP2 (x4)	\$ 300	\$ 180
3HE09905AA	ACC - Dust Cover - CFP4 (x10)	\$ 950	\$ 570
3HE09976AA	ACC - Compact Flash cover CPM2/3/4 10pkg	\$ 950	\$ 570
3HE09977AA	ACC - Compact Flash cover CPM5 10pkg	\$ 1	\$ 1
3HE11379AA	7750 SR-7/ 7450 ESS-7 INPUT POWER RATING		
<b>Chassis Bundles</b>			
3HE09264AA	BNDL 7750 SR-7 Chassis + SFM5/CPM5	\$ 86,000	\$ 51,600
3HE11175AA	BNDL - 7750 SR-7-B Chassis + SFM5/CPM5	\$ 91,000	\$ 54,600
3HE09265AA	BNDL -7750 SR-12 Chassis + SFM5/CPM5	\$ 135,000	\$ 81,000
3HE11176AA	BNDL - 7750 SR-12-B Chassis + SFM5/CPM5	\$ 142,350	\$ 85,410
3HE10476AA	BNDL-7750 SR12e SFM5/CPM5 CHAS AC	\$ 275,000	\$ 165,000
3HE10477AA	BNDL-7750 SR12e SFM5/CPM5 CHAS 60-80A DC	\$ 275,000	\$ 165,000
3HE12034AA	BNDL-7750 SR12e SFM5/CPM5 HVDC	\$ 275,000	\$ 165,000
<b>Software</b>			
3HE00107RA	OS - 7750 SR-7/12/12e R14.0 OS LICENSE	\$ 10,000	\$ 6,000
3HE00107TA	OS - 7750 SR-7/12/12e R15.0 OS LICENSE	\$ 10,000	\$ 6,000
3HE10877AA	RTU - UPnP IGD License	\$ 25,000	\$ 15,000
3HE10878AA	RTU - vRGW BRG authentication LIC	\$ 25,000	\$ 15,000
3HE10640AA	RTU - SROS GMPLS-UNI	\$ 25,000	\$ 15,000
3HE03982AA	DHCP USER DB LICENSE-20K USERS	\$ 117,000	\$ 70,200
3HE03983AA	DHCP USER DB LICENSE-156K USERS	\$ 92,000	\$ 55,200
3HE03984AA	DHCP USER DB LIC UPGRD-20K TO 156K		
<b>WLAN/Wifi Offload Licenses</b>			
3HE07310AA	RTU - Base WIFI aggregation License	\$ 60,000	\$ 36,000
3HE07310AB	RTU - Diameter Credit Control License	\$ 20,000	\$ 12,000
3HE07310AC	RTU - Multiple SSID Support License	\$ 20,000	\$ 12,000
3HE07310AD	RTU - Inter-AP WIFI Mobility License	\$ 20,000	\$ 12,000
3HE07310AE	RTU -WIFI Agg. 4K - shaped AP tunnels	\$ 4,000	\$ 2,400
3HE07310AF	RTU -WIFI Agg. 8K - shaped AP tunnels	\$ 6,000	\$ 3,600
3HE07310AG	RTU -WIFI Agg. 16K - shaped AP tunnels	\$ 10,000	\$ 6,000
3HE07310AH	RTU -WIFI Agg. 32K - shaped AP tunnels	\$ 20,000	\$ 12,000
3HE07310AJ	RTU -WIFI Agg. 64K - shaped AP tunnels	\$ 30,000	\$ 18,000
3HE07310AK	RTU -WIFI Agg. 128K - shaped AP tunnels	\$ 60,000	\$ 36,000
3HE07310AL	RTU - WLAN to 3G/4G Interworking License	\$ 50,000	\$ 30,000
3HE07310AM	RTU - WLAN to 3G/4G - 4K Bearers	\$ 4,000	\$ 2,400
3HE07310AN	RTU - WLAN to 3G/4G - 8K Bearers	\$ 8,000	\$ 4,800
3HE07310AP	RTU - WLAN to 3G/4G - 16K Bearers	\$ 16,000	\$ 9,600
3HE07310AR	RTU - WLAN to 3G/4G - 32K Bearers	\$ 25,000	\$ 15,000
3HE07310AS	RTU - WLAN to 3G/4G - 64K Bearers	\$ 50,000	\$ 30,000
3HE07310AT	RTU - WLAN to 3G/4G - 128K Bearers	\$ 75,000	\$ 45,000
3HE07310AU	RTU - WLAN to 3G/4G - 256K Bearers	\$ 100,000	\$ 60,000
3HE07310AV	RTU - WLAN to 3G/4G - 512K Bearers	\$ 150,000	\$ 90,000
3HE09288AA	RTU - Selective offload with single IP	\$ 25,000	\$ 15,000
3HE09289AA	RTU - WIFI-GW Inter-chass Redundancy	\$ 25,000	\$ 15,000
3HE09290AA	RTU - WIFI Migrant User Support	\$ 20,000	\$ 12,000
3HE09291AA	RTU - WIFI 256K migrant Users	\$ 40,000	\$ 24,000
3HE09292AA	RTU - WIFI 512K migrant Users	\$ 60,000	\$ 36,000
3HE09293AA	RTU - WIFI 1M migrant Users	\$ 80,000	\$ 48,000
3HE09294AA	RTU - WIFI 2M migrant Users		
<b>Distributed Subscriber Management Licenses</b>			
3HE09295AA	RTU - 7x50 Base DSM feature license	\$ 20,000	\$ 12,000
3HE09296AA	RTU - 7x50 64K DSM hosts	\$ 25,000	\$ 15,000
3HE09297AA	RTU - 7x50 128K DSM hosts	\$ 50,000	\$ 30,000
3HE09298AA	RTU - 7x50 256K DSM hosts	\$ 85,000	\$ 51,000
3HE09299AA	RTU - 7x50 512K DSM hosts	\$ 170,000	\$ 102,000
3HE09300AA	RTU - 7x50 1M DSM hosts	\$ 350,000	\$ 210,000
3HE09301AA	RTU - 7x50 2M DSM hosts	\$ 700,000	\$ 420,000
3HE10020AA	RTU - 7x50 3M DSM hosts	\$ 1,000,000	\$ 600,000
3HE10021AA	RTU - 7x50 4M DSM hosts	\$ 1,400,000	\$ 840,000
3HE10022AA	RTU - 7x50 5M DSM hosts	\$ 1,750,000	\$ 1,050,000
3HE10023AA	RTU - 7x50 6M DSM hosts	\$ 2,100,000	\$ 1,260,000
<b>Switch Fabric/Control Processor Module (SF/CPMs)</b>			
3HE09261AA	SFM - 7750 SR SFM5-7 + CPM5	\$ 54,500	\$ 32,700
3HE09260AA	SFM - 7750 SR SFM5-12 + CPM5	\$ 104,000	\$ 62,400
3HE09001AA	SFM - 7750 SR SFM5-12e + CPM5	\$ 160,000	\$ 96,000
3HE08422AA	SFM - 7750 SR Mini-SFM5-12e	\$ 85,000	\$ 51,000
<b>Input/Output Module (IOMs)</b>			
3HE08426AA	IOM - 7750 SR IOM3-XP-C	\$ 75,000	\$ 45,000
<b>Integrated Media Modules 10GE (IMM's)</b>			
3HE08424AA	IMM - 7x50 40-PT 10GE SFP+ - L3HQ IMM	\$ 1,282,500	\$ 769,500
3HE08424BA	IMM - 7x50 40-PT 10GE SFP+ - L3BQ IMM	\$ 729,000	\$ 437,400
3HE08424CA	IMM - 7x50 40-PT 10GE SFP+ - L2HQ IMM	\$ 972,000	\$ 583,200
<b>Integrated Media Modules 100GE (IMM's)</b>			
3HE09645AA	IMM - 7x50 4-PT 100GE CFP4 - L3HQ IMM	\$ 1,400,000	\$ 840,000
3HE09645BA	IMM - 7x50 4-PT 100GE CFP4 - L3BQ IMM	\$ 940,000	\$ 564,000

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Part No	Description	Unit GLP	Unit Sell Price
3HE09645CA	IMM - 7x50 4-PT 100GE CFP4 - L2HQ IMM	\$ 1,225,000	\$ 735,000
3HE08425AA	IMM - 7x50 4-PT 100GE CXP - L3HQ IMM	\$ 1,400,000	\$ 840,000
3HE08425BA	IMM - 7x50 4-PT 100GE CXP - L3BQ IMM	\$ 940,000	\$ 564,000
3HE08425CA	IMM - 7x50 4-PT 100GE CXP - L2HQ IMM	\$ 1,225,000	\$ 735,000
3HE09436AA	IMM - 7x50 1-PT 100GE INT DWDM - L3HQ	\$ 762,000	\$ 457,200
3HE09436BA	IMM - 7x50 1-PT 100GE INT DWDM - L3BQ	\$ 565,000	\$ 339,000
3HE09436CA	IMM - 7x50 1-PT 100GE INT DWDM - L2HQ	\$ 681,000	\$ 408,600
<b>Integrated Media Modules (IMM's) - IMM SW License Upgrades</b>			
3HE08180AA	RTU IMM 1x100G + 10x10G LIC L2HQ - L3HQ	\$ 207,000	\$ 124,200
3HE08181AA	RTU IMM 1x100G + 10x10G LIC L3BQ - L3HQ	\$ 420,000	\$ 252,000
3HE08182AA	RTU - IMM 2x100G LIC UP - L2HQ to L3HQ	\$ 185,000	\$ 111,000
3HE08183AA	RTU - IMM 2x100G LIC UP - L3BQ to L3HQ	\$ 425,000	\$ 255,000
3HE08289AA	RTU - 7x50 IMM 50G LIM VPRN LIC	\$ 15,000	\$ 9,000
3HE06290AA	RTU - 7x50 IMM 50G FULL VPRN LIC	\$ 45,000	\$ 27,000
3HE06291AA	RTU - 7x50 IMM 100G LIM VPRN LIC	\$ 25,000	\$ 15,000
3HE06292AA	RTU - 7x50 IMM 100G FULL VPRN LIC	\$ 75,000	\$ 45,000
3HE10423AA	RTU - 7x50 IMM 160G LIM VPRN LIC	\$ 32,000	\$ 19,200
3HE10424AA	RTU - 7x50 IMM 160G FULL VPRN LIC	\$ 100,000	\$ 60,000
3HE08233AA	RTU - 7x50 200G LIM VPRN LIC	\$ 40,000	\$ 24,000
3HE08311AA	RTU - 7x50 200G FULL VPRN LIC	\$ 125,000	\$ 75,000
3HE10111AA	RTU - 7x50 IMM 400G LIM VPRN LIC	\$ 70,000	\$ 42,000
3HE10112AA	RTU - 7x50 IMM 400G FULL VPRN LIC	\$ 240,000	\$ 144,000
3HE09002AA	RTU - IMM 40x10GE LIC UP - L2HQ to L3HQ	\$ 575,000	\$ 345,000
3HE09003AA	RTU - IMM 40x10GE LIC UP - L3BQ to L3HQ	\$ 370,000	\$ 222,000
3HE09004AA	RTU - IMM 4x100G LIC UP - L2HQ to L3HQ	\$ 220,000	\$ 132,000
3HE09005AA	RTU - IMM 4x100G LIC UP - L3BQ to L3HQ	\$ 510,000	\$ 306,000
<b>Integrated Service Adapters (ISA) + Integrated Service Module (MS-ISM) + Combo IMM + ISA?</b>			
3HE09119AA	RTU - IP Tunneling software license per 10G capacity	\$ 20,000	\$ 12,000
3HE05150AA	RTU - ADI per splice license	\$ 6,250	\$ 3,750
3HE04923AA	RTU - L2 Aware NAT License	\$ 10,000	\$ 6,000
3HE05153AA	RTU - 6M flow NAT License	\$ 30,000	\$ 18,000
3HE04925AA	RTU - LNS software License	\$ 10,000	\$ 6,000
3HE09980AA	RTU AA URL Filter Wifi 10k Subs	\$ 2,500	\$ 1,500
3HE10212AA	RTU AA ICAP control Wifi 10k Subs	\$ 10,000	\$ 6,000
3HE10018AA	RTU AA ID & Control Wifi 10k Subs	\$ 10,000	\$ 6,000
3HE10019AA	RTU IBN Wifi 10K Subs	\$ 2,500	\$ 1,500
<b>Ethernet MDA-e</b>			
3HE10642AA	MDA-e - 7750 SR 40cSFP/20SFP GE MDA-e	\$ 60,000	\$ 36,000
<b>Ethernet MDA-XP</b>			
3HE03611AA	MDA - 7750 10-PT GE MDA-XP SFP	\$ 50,000	\$ 30,000
3HE03612AA	MDA - 7750 20-PT GE MDA-XP - SFP	\$ 100,000	\$ 60,000
3HE03685AA	MDA - 7750 SR 2-PT 10G MDA-XP - XFP	\$ 99,500	\$ 59,700
3HE03686AA	MDA - 7750 SR 4-PT 10G MDA-XP - XFP	\$ 160,000	\$ 96,000
3HE04274AA	MDA - 7750 SR 1-PT 10G MDA-XP - XFP	\$ 50,000	\$ 30,000
3HE05160AA	MDA - 7750 48-PT 10/100/1000-TX MDA-XP	\$ 160,000	\$ 96,000
3HE07282AA	MDA 7750 2x10GE XFP + 12x1GE SFP MDA-XP	\$ 130,000	\$ 78,000
3HE07284AA	MDA - 7750 SR 12-pt 1GE MDA-XP	\$ 60,000	\$ 36,000
<b>Channelized MDAs</b>			
3HE01364AA	MDA - 7750 SR 4-PT CH OC3/STM1 ASAP SFP	\$ 130,000	\$ 78,000
3HE02499AA	MDA - 7750 SR 1-PT CH OC12/STM4 ASAP SFP	\$ 130,000	\$ 78,000
3HE02500AA	MDA - 77x0 SR 12-PT DS3/E3 ASAP	\$ 40,000	\$ 24,000
3HE02501AA	MDA - 77x0 SR 4-PT CH DS3/E3 ASAP	\$ 40,000	\$ 24,000
<b>SONET and ATM MDAs</b>			
3HE05947AA	MDA 7750 SR 2-PT OC192/STM64 MDA-XP XFP	\$ 330,000	\$ 198,000
<b>Cables</b>			
3HE00106AA	CBL - DS3/E3 COAX CBL 10-FT10	\$ 300	\$ 180
3HE01049AA	CBL -7X50 CONSOLE CABLE - 6FT	\$ 50	\$ 30
3HE00271AH	CBL-AC APEQ POWER CBL USA	\$ 700	\$ 420
3HE00271AJ	CBL-AC APEQ POWER CBL EUR	\$ 500	\$ 300
<b>SONET Optics Modules</b>			
3HE06588CA	XFP - 10GE LR OC192 SR1 R6/6 0/70C	\$ 4,800	\$ 2,880
3HE06589CA	XFP - 10GE ER OC192 IR2 R6/6 0/70C	\$ 10,000	\$ 6,000
3HE06590CA	XFP - 10GE ZR OC192 LR2 R6/6 0/70C	\$ 14,000	\$ 8,400
<b>100/1000Base Ethernet Optics Modules</b>			
3HE05163AA	SFP - 100/1000 EX SGMII 40KM ROHS 6/6	\$ 2,250	\$ 1,350
<b>100Mb Optics Modules</b>			
3HE00024CA	SFP - 100M FX - LC ROHS 6/6 DDM -40/85C	\$ 400	\$ 240
3HE00869CA	SFP - 100M BX10-U - LC R6/6 DDM -40/85C	\$ 600	\$ 360
3HE00869CB	SFP - 100M BX10-D - LC R6/6 DDM -40/85C	\$ 600	\$ 360
3HE01454CA	SFP - 100M EX - LC ROHS 6/6 DDM -40/85C	\$ 1,200	\$ 720
<b>Compact GigE Optics Modules (cSFP)</b>			

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Part No	Description	Unit GLP	Unit Sell Price
3HE08313AA	cSFP - GIGE BX10-U - LC R6/6 DDM -40/85C	\$ 2,700	\$ 1,620
3HE08313BA	cSFP - GIGE BX10-D - LC R6/6 DDM -40/85C	\$ 2,700	\$ 1,620
3HE08314AA	cSFP - GIGE BX40-U - LC R6/6 DDM -40/85C	\$ 4,500	\$ 2,700
3HE08314BA	cSFP - GIGE BX40-D - LC R6/6 DDM -40/85C	\$ 4,500	\$ 2,700
<b>10GigE Optics Modules (SFP+)</b>			
3HE08142BA	SFP+ - 10G DWDM TUN LC LOW PWR 0/70C	\$ 27,500	\$ 16,500
3HE09326AA	SFP+ 10GE SR - LC ROHS6/6 -40/85C	\$ 2,995	\$ 1,797
3HE09327AA	SFP+ 10GE LR - LC ROHS6/6 -40/85C	\$ 3,995	\$ 2,397
3HE09328AA	SFP+ 10GE ER - LC ROHS6/6 -40/85C	\$ 11,995	\$ 7,197
3HE09329AA	SFP+ 10GE ZR - LC ROHS6/6 -40/85C	\$ 19,995	\$ 11,997
3HE10452AA	SFP+ 10GE BX40-U LC ROHS6/6 -40/85C	\$ 5,995	\$ 3,597
3HE10452AB	SFP+ 10GE BX40-D LC ROHS6/6 -40/85C	\$ 5,995	\$ 3,597
<b>40GE Optics Modules (QSFP+)</b>			
3HE07928AA	QSFP+ - 40G SR4 100m, MPO ROHS6/6 0/70C	\$ 3,000	\$ 1,800
3HE11240AA	QSFP+ - 40G ER4 40KM LC ROHS6/6 0/70C	\$ 38,000	\$ 22,800
<b>100GE Optics Modules (CXP)</b>			
3HE07267AA	CXP - 100GE SR10 MPO ROHS6/6 0/70C	\$ 8,500	\$ 5,100
<b>100GE Optic Modules (CFP4)</b>			
3HE09498AA	CFP4 - 100G LR4 10KM LC ROHS6/6 0/70C	\$ 60,000	\$ 36,000
<b>100GE Optics Modules (QSFP28)</b>			
3HE10551AA	QSFP28- 100G SR4 100m, MPO ROHS6/6 0/70C	\$ 6,500	\$ 3,900
3HE10550AA	QSFP28- 100G LR4 10KM LC ROHS6/6 0/70C	\$ 40,000	\$ 24,000
<b>Upgrade Kits</b>			
3HE04137AA	UPG - 7750 SR-12 PEM-3 + IMP PNL	\$ 8,000	\$ 4,800
3HE04138AA	UPG - 7750 SR-7 PEM-3 + IMP PNL	\$ 6,000	\$ 3,600
<b>Chassis Power (Power Entry Module)</b>			
3HE09423AA	APEQ-AC-3000 Power Equalizer Module	\$ 9,500	\$ 5,700
3HE10431AA	APEQ-HVDC-3000 Power Equalizer Module	\$ 11,500	\$ 6,900
3HE09422AA	APEQ-DC-2200-2800 Power Equalizer Module	\$ 9,500	\$ 5,700
3HE03661AA	PEM - 7750 SR-7 100A DC PEM-3 SLOT 2	\$ 1,500	\$ 900
3HE03662AA	PEM - 7750 SR-7 100A DC PEM-3 SLOT 1	\$ 1,500	\$ 900
3HE03663AA	PEM - 7750 SR-12 175A DC PEM-3	\$ 4,000	\$ 2,400
3HE04498AA	PWR FLT - 7750 SR-7 100 AMP PWR FILTER	\$ 1,500	\$ 900
3HE04521AA	PEM 7750 SR-7 Slot 1 DC PEM-3 + PWR FLT	\$ 3,000	\$ 1,800
3HE04522AA	PEM 7750 SR-7 Slot 2 DC PEM-3 + PWR FLT	\$ 3,000	\$ 1,800
<b>Power Cords and Status Cables</b>			
3HE00271AA	CBL - AC PWR CBL 110V USA	\$ 75	\$ 45
3HE00271AB	CBL - AC PWR CBL 220V USA	\$ 75	\$ 45
3HE00271AC	CBL - AC PWR CBL 220V EUR	\$ 75	\$ 45
3HE00271AD	CBL - AC PWR CBL 220V GBR	\$ 75	\$ 45
3HE00271AE	CBL - AC PWR CBL 220V USA	\$ 75	\$ 45
3HE00271AF	CBL - AC PWR CBL 110V USA	\$ 75	\$ 45
<b>Spare Parts</b>			
3HE08423AA	CPM - 7750 SR CPM5	\$ 60,000	\$ 36,000
3HE08428AA	SFM - 7750 SR SFM5-12	\$ 55,000	\$ 33,000
3HE08429AA	SFM - 7750 SR SFM5-7	\$ 35,000	\$ 21,000
3HE08421AA	SFM - 7750 SR SFM5-12e	\$ 110,000	\$ 66,000
3HE10475AA	ACC 7750 SR-12e 80A breakers (x16)	\$ 950	\$ 570
3HE10114AA	ACC 7750 SR-12e AC bezel	\$ 1,750	\$ 1,050
3HE00104AA	CHAS - 7750 SR-12 CHASSIS SPARE	\$ 35,000	\$ 21,000
3HE00183CA	CH-BN - 7750 SR-12 w/PEM3 + EFT	\$ 52,650	\$ 31,590
3HE00186AA	CHAS - 7750 SR-7 CHASSIS SPARE	\$ 25,000	\$ 15,000
3HE00192AA	ACC -7750 SR-12 CBL MGMT KIT	\$ 950	\$ 570
3HE00272DB	CH-BN - 7750 SR-7 DC w/PEM3 + EFT	\$ 35,800	\$ 21,480
3HE01051AA	ACC -7750 SR MDA SLT BLNK	\$ 100	\$ 60
3HE01672AA	ACC -7750 SR-7 MOUNT BRACKET	\$ 125	\$ 75
3HE01673AA	ACC -7750 SR-12 MOUNT BRACKET	\$ 175	\$ 105
3HE04147AA	ACC - 7750 SR IMP PNL - 1	\$ 150	\$ 90
3HE04148AA	ACC - 7750 SR IMP PNL - 5	\$ 750	\$ 450
3HE04606AA	ACC - 7750 SR-12 SLOT PEM-3 UPGRADE	\$ 125	\$ 75
3HE04607AA	ACC - 7750 SR-7 SLOT PEM-3 UPGRADE	\$ 125	\$ 75
3HE01619AA	CF - 2GB COMPACT FLASH	\$ 950	\$ 570
3HE05106AA	FAN - 7750 SR-12 Enhanced Fan Tray	\$ 2,900	\$ 1,740
3HE05180AA	FAN - 7750 SR-7 Enhanced Fan Tray	\$ 4,800	\$ 2,880
3HE07165AA	CH-BN - 7750 SR12e Integrated Chassis	\$ 90,000	\$ 54,000
3HE07168AA	FAN - 7750 SR12e Fan Tray	\$ 4,350	\$ 2,610
3HE07440AB	CH-BN - 7750 SR12e Spare Chassis	\$ 85,000	\$ 51,000
3HE07457AA	ACC - 7750 SR12e Air & APEQ Filter (x5)	\$ 4,000	\$ 2,400
3HE07460AA	ACC - 7750 SR12e Accessory Kit	\$ 550	\$ 330
3HE07442AA	ACC - 7750 SR-12e LUG KIT	\$ 1,500	\$ 900
<b>7750 SRe</b>			



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Part No	Description	Unit GLP	Unit Sell Price
<b>Chassis Bundles</b>			
3HE10468AA	BNDL - 7750 SR-1e DC PSU bundle	\$ 60,000	\$ 36,000
3HE10469AA	BNDL - 7750 SR-1e AC PSU bundle	\$ 60,000	\$ 36,000
3HE10470AA	BNDL - 7750 SR-2e DC PSU bundle	\$ 70,000	\$ 42,000
3HE10471AA	BNDL - 7750 SR-2e AC PSU bundle	\$ 70,000	\$ 42,000
3HE10472AA	BNDL - 7750 SR-3e DC PSU bundle	\$ 80,000	\$ 48,000
3HE10473AA	BNDL - 7750 SR-3e AC PSU bundle	\$ 80,000	\$ 48,000
<b>Software</b>			
3HE10671RA	OS - 7750 SR-1e/2e/3e R14.0 OS LICENSE	\$ 7,500	\$ 4,500
3HE10671TA	OS - 7750 SR-1e/2e/3e R15.0 OS LICENSE	\$ 7,500	\$ 4,500
<b>CPM-e</b>			
3HE10310AA	CPM - 7750 SR-e CPM-e	\$ 45,000	\$ 27,000
<b>Chassis Control Module (CCM-e)</b>			
3HE10309AA	CCM - 7750 SR-e CCM-e	\$ 5,000	\$ 3,000
<b>IOM-e</b>			
3HE10311AA	IOM - 7750 SR IOM-e L3HQ	\$ 198,000	\$ 118,800
3HE10311BA	IOM - 7750 SR IOM-e L2HQ	\$ 117,000	\$ 70,200
3HE10311CA	IOM - 7750 SR IOM-e L3BQ	\$ 69,000	\$ 41,400
<b>Spare Parts</b>			
3HE10301AA	CHAS - 7750 SR-1e Chassis Spare	\$ 31,000	\$ 18,600
3HE10302AA	CHAS - 7750 SR-2e Chassis Spar	\$ 35,000	\$ 21,000
3HE10303AA	CHAS - 7750 SR-3e Chassis Spare	\$ 37,000	\$ 22,200
3HE09548AA	PSU - 7750 SR-e -48V DC PSU	\$ 2,700	\$ 1,620
3HE09549AA	PSU - 7750 SR-e AC PSU	\$ 3,200	\$ 1,920
3HE10304AA	FAN - 7750 SR-1e Fan Tray	\$ 7,200	\$ 4,320
3HE10305AA	FAN - 7750 SR-2e Fan Tray	\$ 7,900	\$ 4,740
3HE10306AA	FAN - 7750 SR-3e Fan Tray	\$ 8,900	\$ 5,340
3HE10295AA	ACC - 7750 SR-e CCM Impedance Panel	\$ 700	\$ 420
3HE10296AA	ACC - 7750 SR-e CPM Impedance Panel	\$ 800	\$ 480
3HE10297AA	ACC - 7750 SR-e IOM Impedance Panel	\$ 900	\$ 540
3HE10298AA	ACC - 7750 SR-1e Air Filters (5 pack)	\$ 1,900	\$ 1,140
3HE10298AA	ACC - 7750 SR-1e Air Filters (5 pack)	\$ 2,100	\$ 1,260
3HE10299AA	ACC - 7750 SR-2e Air Filters (5 pack)	\$ 2,500	\$ 1,500
3HE10300AA	ACC - 7750 SR-3e Air Filters (5 pack)	\$ 2,500	\$ 1,500
3HE11169AA	ACC-7750 SR-1e ETSI Adapter Bracket Kit	\$ 360	\$ 216
3HE11170AA	ACC-7750 SR-2e ETSI Adapter Bracket Kit	\$ 380	\$ 228
3HE11171AA	ACC-7750 SR-3e ETSI Adapter Bracket Kit	\$ 400	\$ 240
<b>7750 SRa</b>			
<b>Chassis Bundles</b>			
3HE09242AA	BNDL - 7750SR-a4 DC Bundle	\$ 35,000	\$ 21,000
3HE09243AA	BNDL - 7750SR-a4 AC Bundle	\$ 35,500	\$ 21,300
3HE09244AA	BNDL - 7750SR-a8 DC Bundle	\$ 44,000	\$ 26,400
3HE09245AA	BNDL - 7750SR-a8 AC Bundle	\$ 44,500	\$ 26,700
<b>CPM-a Options</b>			
3HE09201AA	CPM - 7750 SR-a	\$ 9,300	\$ 5,580
<b>IOM-a Options</b>			
3HE09202CA	IOM - 7750 SR-a - L2HQ	\$ 23,000	\$ 13,800
3HE09202BA	IOM - 7750 SR-a - L3BQ	\$ 39,000	\$ 23,400
3HE09202AA	IOM - 7750 SR-a - L3HQ	\$ 66,000	\$ 39,600
3HE09551AA	UPG - SR-a IOM-a - L2HQ to L3BQ	\$ 18,000	\$ 10,800
3HE09552AA	UPG - SR-a IOM-a - L3BQ to L3HQ	\$ 29,000	\$ 17,400
3HE09553AA	UPG - SR-a IOM-a - L2HQ to L3HQ	\$ 45,000	\$ 27,000

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Part No	Description	Unit GLP	Unit Sell Price
<b>MDA-a Options</b>			
3HE09203AA	MDA-a XP - 7750 SR 1-PT 100G CFP	\$ 31,000	\$ 18,600
3HE10421AA	MDA-a XP - 7750 SR 1-PT 100G CFP2	\$ 31,000	\$ 18,600
3HE10422AA	MDA-a XP - 7750 SR 1-PT 100G CFP4	\$ 29,000	\$ 17,400
3HE09204AA	MDA-a XP - 7750 SR 10-PT 10GE SFP+	\$ 17,200	\$ 10,320
3HE09205AA	MDA-a - 7750 SR 2-PT 10GE SFP+ 12-PT GESFP	\$ 13,600	\$ 8,160
3HE09206AA	MDA-a - 7750 SR 20-PT 10/100/1000TX RJ45	\$ 17,600	\$ 10,560
3HE09207AA	MDA-a - 7750 SR 44-PT 1GE SFP	\$ 16,000	\$ 9,600
3HE09240AA	MDA-a - 7750 SR 4-PT-10GE SFP+	\$ 29,000	\$ 17,400
3HE09241AA	MDA-a XP - 7750 SR 6-PT 10GE SFP+ 40GE QSFP		
<b>SW Licenses</b>			
3HE09550CA	OS - 7750 SRa4/8 R14.0 OS LICENSE	\$ 5,000	\$ 3,000
3HE09550TA	OS - 7750 SRa4/8 R15.0 OS LICENSE	\$ 5,000	\$ 3,000
3HE09753AA	DHCP USER DB LICENSE-50K USERS	\$ 45,000	\$ 27,000
3HE09754AA	DHCP USER DB LICENSE-100K USERS	\$ 75,000	\$ 45,000
3HE09755AA	DHCP USER DB LIC UPGRD-20K TO 50K	\$ 20,000	\$ 12,000
3HE09756AA	DHCP USER DB LIC UPGRD-20K TO 100K	\$ 50,000	\$ 30,000
3HE09757AA	DHCP USER DB LIC UPGRD-50K TO 100K	\$ 30,000	\$ 18,000
<b>Accessories &amp; Spares</b>			
3HE09195AA	CHAS - 7750 SR-a4 CHASSIS SPARE	\$ 16,000	\$ 9,600
3HE09196AA	CHAS - 7750 SR-a8 CHASSIS SPARE	\$ 19,000	\$ 11,400
3HE09197AA	FAN - 7750 SR-a4 Fan Tray	\$ 1,700	\$ 1,020
3HE09198AA	FAN - 7750 SR-a8 Fan Tray	\$ 2,300	\$ 1,380
3HE09199AA	PSU - 7750 SR-a DC -48V	\$ 2,700	\$ 1,620
3HE09200AA	PSU - 7750 SR-a AC	\$ 3,200	\$ 1,920
3HE09608AA	ACC - 7750/7705/7210 Vert Rack	\$ 6,950	\$ 4,170
3HE09609AA	ACC - 7750/7705/7210 Cbi Mgmt	\$ 2,780	\$ 1,668
3HE10937AA	ACC-7750 SR-a4 ETSI Adapter Bracket Kit	\$ 170	\$ 102
3HE11168AA	ACC-7750 SR-a8 ETSI Adapter Bracket Kit	\$ 190	\$ 114
3HE00271AG	CBL - AC PWR CBL 110V 13A USA	\$ 75	\$ 45
3HE09417AA	ACC - 7750 SR-a CPM/MDA Impedance Panel	\$ 800	\$ 480
3HE09418AA	ACC - 7750 SR-a IOM Impedance Panel	\$ 900	\$ 540
3HE09419AA	ACC - 7750 SR-a PSU Impedance Panel	\$ 800	\$ 480
3HE09420AA	ACC - 7750 SR-a4 AIR FILTER (5 pack)	\$ 2,700	\$ 1,620
3HE09978AA	ACC-Compact Flash cover for CPM-a 10pkg	\$ 950	\$ 570
<b>7950 XRS</b>			
<b>Chassis Bundles</b>			
3HE11579AA	BNDL -7950 XRS-20 CHASSIS DC 16GB CPM	\$ 950,000	\$ 570,000
3HE12041AA	BNDL -7950 XRS-20e CHASSIS DC 16G CPM	\$ 1,200,000	\$ 720,000
3HE11580AA	BNDL -7950 XRS-20 SA CHASSIS DC 16GB CPM	\$ 550,000	\$ 330,000
3HE12038AA	BNDL -7950 XRS-20e SA CHASSIS DC 16G CPM	\$ 800,000	\$ 480,000
3HE11581AA	BNDL -7950 XRS-20 CHASSIS AC 16GB CPM	\$ 950,000	\$ 570,000
3HE12040AA	BNDL -7950 XRS-20e CHASSIS AC 16G CPM	\$ 1,200,000	\$ 720,000
3HE11582AA	BNDL -7950 XRS-20 SA CHASSIS AC 16GB CPM	\$ 550,000	\$ 330,000
3HE12037AA	BNDL -7950 XRS-20e SA CHASSIS AC 16G CPM	\$ 800,000	\$ 480,000
3HE11583AA	BNDL -7950 XRS-20 CHASSIS HVDC 16GB CPM	\$ 950,000	\$ 570,000
3HE12042AA	BNDL -7950 XRS-20e CHASSIS HVDC 16G CPM	\$ 1,200,000	\$ 720,000
3HE11584AA	BNDL -7950 XRS-20 SA CHASSIS HVDC 16GB CPM	\$ 550,000	\$ 330,000
3HE12039AA	BNDL -7950 XRS-20e SA CHASSIS HVDC 16G CPM	\$ 800,000	\$ 480,000
3HE09177AA	BNDL - 7950 XRS-20 to XRS-40 UPGD KIT	\$ 1,300,000	\$ 780,000
3HE09177AB	BNDL - 7950 XRS-20 to XRS-40 UPGD KIT 30m	\$ 1,800,000	\$ 1,080,000
3HE10478AA	BNDL-7950 XRS-20 CHASSIS AC	\$ 950,000	\$ 570,000
3HE10480AA	BNDL -7950 XRS-20 SA CHASSIS AC	\$ 550,000	\$ 330,000
3HE10479AA	BNDL -7950 XRS-20 CHASSIS 60-80A DC	\$ 950,000	\$ 570,000
3HE10481AA	BNDL -7950 XRS-20 SA CHASSIS 60-80A DC	\$ 550,000	\$ 330,000
3HE09174AA	RTU - 7950 XRS-40 B2B Lic	\$ 1,000,000	\$ 600,000
3HE08991AA	BNDL- 7950 XRS-20 SFM SA to MC upgrade	\$ 600,000	\$ 360,000
<b>Software</b>			
3HE06945RA	OS - 7950 XRS-16c/20/40 R14.0 LICENSE	\$ 17,500	\$ 10,500
3HE06945TA	OS - 7950 XRS-16c/20/40 R15.0 LICENSE	\$ 17,500	\$ 10,500
<b>VPRN LICENSES</b>			
3HE07462AA	RTU - 7950 XRS VPRN_IES64	\$ 20,000	\$ 12,000
3HE07556AA	RTU - 7950 XRS VPRN_IES512	\$ 30,000	\$ 18,000
3HE07590AA	RTU - 7950 XRS VPRN_IES2k	\$ 40,000	\$ 24,000
3HE07591AA	RTU - 7950 XRS VPRN_IES8k	\$ 75,000	\$ 45,000
3HE09021AA	RTU - 7950 XRS VPRN_IES16k	\$ 90,000	\$ 54,000
<b>VPLS LICENSES</b>			
3HE07463AA	RTU - 7950 XRS VPLS64	\$ 20,000	\$ 12,000
3HE07464AA	RTU - 7950 XRS VPLS512	\$ 30,000	\$ 18,000
3HE07465AA	RTU - 7950 XRS VPLS2k	\$ 40,000	\$ 24,000
3HE07645AA	RTU - 7950 XRS VPLS8k	\$ 75,000	\$ 45,000
3HE09022AA	RTU - 7950 XRS VPLS40k	\$ 100,000	\$ 60,000
<b>VLL LICENSES</b>			
3HE07466AA	RTU - 7950 XRS VLL256	\$ 20,000	\$ 12,000
3HE07467AA	RTU - 7950 XRS VLL4k	\$ 30,000	\$ 18,000
3HE07468AA	RTU - 7950 XRS VLL32k	\$ 40,000	\$ 24,000
3HE07592AA	RTU - 7950 XRS VLL64k	\$ 75,000	\$ 45,000



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Part No	Description	Unit GLP	Unit Sell Price
3HE09023AA	RTU - 7950 XRS VLL192k	\$ 100,000	\$ 60,000
<b>SAP LICENSES</b>			
3HE07489AA	RTU - 7950 XRS SAP32k	\$ 5,000	\$ 3,000
3HE07593AA	RTU - 7950 XRS SAP64k	\$ 35,000	\$ 21,000
3HE09024AA	RTU - 7950 XRS SAP256k	\$ 70,000	\$ 42,000
<b>ADVANCED PEERING LICENSES</b>			
3HE07470AA	RTU - 7950 XRS ADV Peering	\$ 20,000	\$ 12,000
<b>ADVANCED BGP LICENSES</b>			
3HE07471AA	RTU - 7950 XRS ADV BGP	\$ 20,000	\$ 12,000
<b>LAWFUL INTERCEPT LICENSES</b>			
3HE07472AA	RTU - 7950 XRS LI	\$ 30,000	\$ 18,000
<b>cFLOWD LICENSES</b>			
3HE07473AA	RTU - 7950 XRS cFlowd Basic	\$ 20,000	\$ 12,000
3HE09025AA	RTU - 7950 XRS cFlowd Performance	\$ 40,000	\$ 24,000
<b>FIB LICENSES</b>			
3HE09026AA	RTU - 7950 XRS IP-FIB_MAX	\$ 30,000	\$ 18,000
3HE09027AA	RTU - 7950 XRS MAC-FIB_MAX	\$ 30,000	\$ 18,000
<b>1588 PTP License</b>			
3HE10958AA	RTU - 7950 XRS IEEE1588 PTP	\$ 25,000	\$ 15,000
<b>Switch Fabric Module (SFM)</b>			
3HE08021AA	SFM - 7950 XRS-20 SFM-B	\$ 75,000	\$ 45,000
3HE08505AA	SFM - 7950 XRS-20 SFM-X20S-B	\$ 65,000	\$ 39,000
3HE07116AA	CPM - 7950 XRS-20 CPM	\$ 140,000	\$ 84,000
3HE07116AB	CPM - 7950 XRS-20 CPM 16GB	\$ 145,000	\$ 87,000
<b>XCMs (XMA Control Module that accepts C-XMAs and XMAs)</b>			
3HE11087AA	XCM - 7950 XRS-20e XCM	\$ 50,000	\$ 30,000
<b>C-XMA/XMA QoS Licenses - Each License applied on a per C-XMA/XMA basis.</b>			
3HE07475AA	RTU - 7950 XRS XMA QoS8k	\$ 150,000	\$ 90,000
<b>C-XMA &amp; XMA - IPCore Level</b>			
3HE06937AA	C-XMA - 7950 XRS 20pt 10GE SFP+ - IPCore	\$ 450,000	\$ 270,000
3HE06938AA	C-XMA - 7950 XRS 2pt 100GE CFP - IPCore	\$ 500,000	\$ 300,000
3HE07297AA	XMA - 7950 XRS 40pt 10GE SFP+ - IPCore	\$ 800,000	\$ 480,000
3HE07299AA	XMA - 7950 XRS 4pt 100GE CXP - IPCore	\$ 890,000	\$ 534,000
3HE08214AA	C-XMA - 7950 XRS 6pt 40GE QSFP+ - IPCore	\$ 500,000	\$ 300,000
3HE08632AA	XMA - 7950 XRS 4pt 100GE CFP2 - IPCore	\$ 890,000	\$ 534,000
3HE08631AA	CXMA - 7950 XRS 72pt 1G CSFP/SFP - IPCore	\$ 350,000	\$ 210,000
3HE10677AA	XMA - 7950 XRS 2pt 100GE INT DWDM - ipcore	\$ 590,000	\$ 354,000
<b>C-XMA &amp; XMA - LSR Level</b>			
3HE06937BA	C-XMA - 7950 XRS 20pt 10GE SFP+ - LSR	\$ 200,000	\$ 120,000
3HE06938BA	C-XMA - 7950 XRS 2pt 100GE CFP - LSR	\$ 225,000	\$ 135,000
3HE07297BA	XMA - 7950 XRS 40pt 10GE SFP+ - LSR	\$ 350,000	\$ 210,000
3HE07299BA	XMA - 7950 XRS 4pt 100GE CXP - LSR	\$ 400,000	\$ 240,000
3HE08214BA	C-XMA - 7950 XRS 6pt 40GE QSFP+ - LSR	\$ 225,000	\$ 135,000
3HE08632BA	XMA - 7950 XRS 4pt 100GE CFP2 - LSR	\$ 400,000	\$ 240,000
3HE08631BA	CXMA - 7950 XRS 72pt 1G CSFP/SFP - LSR	\$ 150,000	\$ 90,000
3HE10677BA	XMA - 7950 XRS 2pt 100GE TUNABLE - LSR	\$ 590,000	\$ 354,000
<b>C-XMA &amp; XMA Upgrade Licenses</b>			
3HE07476AA	LIC UP - 7950 20x10G LSR to IPCore	\$ 300,000	\$ 180,000
3HE07477AA	LIC UP - 7950 2x100G LSR to IPCore	\$ 325,000	\$ 195,000
3HE07479AA	LIC UP - 7950 40x10G LSR to IPCore	\$ 550,000	\$ 330,000
3HE07481AA	LIC UP - 7950 4x100G LSR to IPCore	\$ 600,000	\$ 360,000
3HE08216AA	LIC UP - 7950 6x40G LSR to IPCore	\$ 300,000	\$ 180,000
3HE09171AA	LIC UP - 7950 72x1G LSR to IPCore	\$ 250,000	\$ 150,000
<b>Spare Parts</b>			
3HE11097AA	7950 XRS-20e Power Input Module	\$ 6,100	\$ 3,660
3HE11093AA	7950 XRS-20e Dual Power Connect Module	\$ 3,100	\$ 1,860
3HE10474AA	ACC 7950 XRS-20 80A BREAKERS (x24)	\$ 2,078	\$ 1,247
3HE07112AA	CH-BN - 7950 XR-20 Integrated Chassis	\$ 260,000	\$ 156,000
3HE07113AA	CHAS - 7950 XRS-20 Spare Chassis	\$ 240,000	\$ 144,000
3HE11085AA	CHAS-7950 XRS-20e Universal Spare Chassis	\$ 350,000	\$ 210,000
3HE11086AA	CHAS-7950 XRS-20e AC/HVDC Spare Chassis	\$ 260,000	\$ 156,000
3HE07117AA	CCM - 7950 XRS-20 CCM	\$ 15,000	\$ 9,000
3HE07118AB	ACC - 7950 XRS-20 Air & APEQ Filter (x5)	\$ 6,300	\$ 3,780
3HE11090AA	ACC-7950 XRS-20e Air filter Kit	\$ 2,200	\$ 1,320
3HE07119AA	FAN - 7950 XRS-20 Fan Tray	\$ 11,900	\$ 7,140
3HE11088AA	7950 XRS-20e Fan Tray	\$ 30,000	\$ 18,000
3HE07388AA	ACC - XCM Impedance Panel	\$ 2,700	\$ 1,620
3HE11089AA	ACC - 7950 XCM-20e Impedance Panel	\$ 3,890	\$ 2,334
3HE07389AA	ACC - SFM/CPM Impedance Panel	\$ 2,000	\$ 1,200
3HE07390AA	ACC - XMA Impedance Panel	\$ 1,400	\$ 840
3HE07391AA	ACC - C-XMA Mech Adapter	\$ 850	\$ 510
3HE07392AA	ACC - C-XMA Impedance panel	\$ 1,300	\$ 780
3HE10275AA	ACC - XRS-20 pwr stud repair kit	\$ 650	\$ 390
3HE08961AA	ACC- 7950 XRS-20 FRONT PROTECTION PANEL	\$ 11,500	\$ 6,900
3HE11091AA	ACC-7950 XRS-20e FRONT PROTECTION PANEL	\$ 5,100	\$ 3,060
3HE08962AA	ACC- 7950 XRS-20 REAR PROTECTION PANEL	\$ 10,600	\$ 6,360
3HE11092AA	ACC-7950 XRS-20e REAR PROTECTION PANEL	\$ 9,000	\$ 5,400

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Part No	Description	Unit GLP	Unit Sell Price
3HE09879AA	ACC-7950 XRS-20 Air filter assembly	\$ 2,600	\$ 1,560
3HE07373AA	ACC - 7950 XRS-20 TOP PLENUM ACCESSORY	\$ 4,500	\$ 2,700
3HE09173AA	ACC - 7950 XRS-40 REAR CABLE GUIDE KIT	\$ 2,995	\$ 1,797
3HE07927AA	QSFP+ 40GE SR4 10M ROHS6/6 0/70C	\$ 1,500	\$ 900
3HE07927AB	QSFP+ 40GE SR4 30M ROHS6/6 0/70C	\$ 1,800	\$ 1,080
3HE07268AA	CBL - 7950 XRS-40 SPARE B2B OPTICAL CABLE, 10M	\$ 11,000	\$ 6,600
3HE07268AB	CBL - 7950 XRS-40 SPARE B2B OPTICAL CABLE, 30M	\$ 14,000	\$ 8,400
3HE07979AA	ACC - XCM Impedance Panel (5 pack)	\$ 9,000	\$ 5,400
<b>7750 Mobile Gateway</b>			
<b>Mobile Gateway ISM</b>			
3HE10556AA	7750 SR Mobile Gateway ISM-MG-C	\$ 400,000	\$ 240,000
3HE10557AA	7750 SR Mobile Gateway ISM-MG-C-E	\$ 400,000	\$ 240,000
<b>Software</b>			
3HE04795TA	OS - 7750 SR R8.0 OS-MG LICENSE	\$ 10,000	\$ 6,000
3HE04795UA	OS - 7750 SR R09.0 OS-MG LICENSE	\$ 10,000	\$ 6,000
3HE04798AA	SGW APPLICATION SOFTWARE LICENSE	\$ 40,000	\$ 24,000
3HE04799AA	PGW/GGSN APPLICATION SOFTWARE LICENSE	\$ 40,000	\$ 24,000
3HE04796AA	SGW RTU LIC FOR 10K BEARERS	\$ 20,000	\$ 12,000
3HE04797AA	PGW/GGSN RTU LIC FOR 10K BRS/PDP CTX	\$ 40,000	\$ 24,000
3HE07315AA	RTU PGW/GGSN AA License per 10K bearers	\$ 4,000	\$ 2,400
3HE07778AA	RTU PGW/GGSN Stateful Firewall 10K bear	\$ 2,000	\$ 1,200
3HE09970AA	RTU MGW AA URL Filter 10k Subs	\$ 1,000	\$ 600
3HE10024AA	RTU MGW AA IBN 10K Subs	\$ 1,000	\$ 600
3HE10025AA	RTU MGW AA ICAP control 10k Subscribers	\$ 20,000	\$ 12,000
3HE10026AA	RTU MGW AA RTP Perf 10k Subs	\$ 12,500	\$ 7,500
<b>ePDG</b>			
3HE09577AA	ePDG Application Software License	\$ 40,000	\$ 24,000
3HE09578AA	ePDG RTU LIC FOR 10K Bearers	\$ 20,000	\$ 12,000
<b>TWAG</b>			
3HE11352AA	TWAG Application Software License	\$ 40,000	\$ 24,000
3HE11353AA	TWAG RTU LIC FOR 10K subscribers	\$ 25,000	\$ 15,000
<b>SSG</b>			
3HE11342AA	SSG Application Software License	\$ 40,000	\$ 24,000
3HE11343AA	SSG RTU LIC FOR 10K subscribers	\$ 25,000	\$ 15,000
3HE12080AA	7750 SR MG ISM-MG-C FOR SSG BASE	\$ 160,000	\$ 96,000
3HE12081AA	RTU 7750 SR MG ISM-MG-C SSG FULL UPG	\$ 240,000	\$ 144,000
3HE12082AA	7750 SR MG ISM-MG-C-E FOR SSG BASE	\$ 160,000	\$ 96,000
3HE12083AA	RTU 7750 SR MG ISM-MG-C-E BASE FULL UPG	\$ 240,000	\$ 144,000
<b>Input/Output Module (IOMs)</b>			
3HE03619AA	IOM - 7750 SR IOM3-XP	\$ 60,000	\$ 36,000
<b>7750 VSR</b>			
<b>Virtualized Service Router ASL</b>			
3HE09180AA	SSF VSR-RR Route Reflector-Level 1	\$ 18,000	\$ 10,800
3HE09181AA	SSF VSR-RR Route Reflector-Level 2	\$ 30,000	\$ 18,000
3HE09019CA	ASL R14.0 VSR-RR RouteReflector-Level 1	\$ 60,000	\$ 36,000
3HE09020CA	ASL R14.0 VSR-RR RouteReflector-Level 2	\$ 100,000	\$ 60,000
3HE09407CA	ASL R14.0 VSIM Simulator	\$ 5,000	\$ 3,000
3HE11380AA	ASL VSR BGP Route Reflector	\$ 50,000	\$ 30,000
3HE09407DA	ASL R15.0 VSIM Simulator	\$ 5,000	\$ 3,000
<b>VSR Commons for Distributed VNF</b>			
3HE10934AA	ASL R14.0 VSR Distributed Base	\$ 50,000	\$ 30,000
3HE10935AA	ASL R14.0 VSR Dist Redundant Ctl Plane	\$ 20,000	\$ 12,000
3HE10936AA	ASL R14.0 VSR Distributed Base <60Gbps	\$ 25,000	\$ 15,000
3HE11115AA	ASL R14.0 VSR Redund Ctl Plane <60Gbps	\$ 10,000	\$ 6,000
3HE10934DA	ASL R15.0 VSR Distributed Base	\$ 50,000	\$ 30,000
3HE10935DA	ASL R15.0 VSR Dist Redundant Ctl Plane	\$ 20,000	\$ 12,000
3HE10936DA	ASL R15.0 VSR Distributed Base <60Gbps	\$ 25,000	\$ 15,000
3HE11115DA	ASL R15.0 VSR Redund Ctl Plane <60Gbps	\$ 10,000	\$ 6,000
<b>Virtualized Service Router ASL</b>			
3HE11116AA	ASL R14.0 VSR Integrated System Base	\$ 15,000	\$ 9,000
3HE11116DA	ASL R15.0 VSR Integrated System Base	\$ 15,000	\$ 9,000
<b>Virtualized Service Router ASL</b>			
3HE11117AA	ASL 10Gbps BW w Standard QoS	\$ 31,500	\$ 18,900
3HE11118AA	ASL VSR 10Gbps BW w Advanced QoS	\$ 47,500	\$ 28,500
3HE11119AA	ASL VSR 1Gbps BW Standard QoS	\$ 4,500	\$ 2,700
3HE11120AA	ASL VSR 1Gbps BW w Standard QoS	\$ 6,800	\$ 4,080
3HE11121AA	ASL VSR VPN Service 500 instances	\$ 11,500	\$ 6,900
3HE11122AA	ASL VSR VPN Service 100 instances	\$ 3,000	\$ 1,800
3HE11123AA	ASL VSR VPN Service 25 instances	\$ 1,200	\$ 720
3HE11124AA	ASL VSR IP-Tunnel 1k Tunnels	\$ 1,500	\$ 900
3HE11125AA	ASL VSR IP-Tunnel 100 Tunnels	\$ 200	\$ 120
3HE11126AA	ASL VSR Lawful Intercept (LI)	\$ 20,000	\$ 12,000
3HE11127AA	ASL VSR ADV DC GW and Svc Chain	\$ 40,000	\$ 24,000
3HE11128AA	ASL VSR Hybrid OpenFlow Switch	\$ 40,000	\$ 24,000
<b>Virtualized Service Router ASL</b>			
3HE11129AA	ASL VSR-BNG 10k Hosts	\$ 30,000	\$ 18,000
3HE11130AA	ASL VSR-BNG 4k Hosts	\$ 15,000	\$ 9,000

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Part No	Description	Unit GLP	Unit Sell Price
<b>VSR-vRGW</b>			
3HE11131AA	ASL VSR-vRGW 10k Hosts	\$ 30,000	\$ 18,000
<b>VSR-LNS</b>			
3HE11132AA	ASL VSR-LNS 1k L2TP Tunnels	\$ 2,000	\$ 1,200
3HE11133AA	ASL VSR-LNS 10k Hosts	\$ 30,000	\$ 18,000
3HE11134AA	ASL VSR-LNS 4k Hosts	\$ 15,000	\$ 9,000
<b>VSR-WLGW</b>			
3HE11135AA	ASL VSR-WLGW 10k Hosts	\$ 7,500	\$ 4,500
3HE11136AA	ASL VSR-WLGW Multiple SSID	\$ 20,000	\$ 12,000
3HE11137AA	ASL-VSR-WLGW Mobility	\$ 20,000	\$ 12,000
3HE11139AA	ASL VSR-WLGW Geo Redudancy	\$ 25,000	\$ 15,000
<b>Value Add Services AA for VSR-BNG, vRGW and for VSR-AA used as transit AA VNP</b>			
3HE11140AA	ASL VSR-AA ID and CTL Res 10k Subs	\$ 40,000	\$ 24,000
3HE11141AA	ASL VSR-AA IBN Res 10k Subs	\$ 10,000	\$ 6,000
3HE11142AA	ASL VSR-AA ICAP Control Res 10k Subs	\$ 100,000	\$ 60,000
3HE11143AA	ASL VSR-AA URL Filter Res 10k Subs	\$ 10,000	\$ 6,000
3HE11144AA	ASL VSR-AA RTP Perf Res 10k Subs	\$ 12,500	\$ 7,500
<b>AA for VSR-WLGW</b>			
3HE11145AA	ASL VSR-AA ID and CTL Wifi 10k Sub	\$ 10,000	\$ 6,000
3HE11146AA	ASL VSR-AA IBN Wifi 10k Subs	\$ 2,500	\$ 1,500
3HE11147AA	ASL VSR-AA ICAP Ctl Wifi 10k Subs	\$ 10,000	\$ 6,000
3HE11148AA	ASL VSR-AA URL Filter Wifi 10k Sub	\$ 2,500	\$ 1,500
<b>AA for VSR-PE and VSR-SEGW</b>			
3HE11149AA	ASL VSR-AA ID and CTL VPN 1 Gbps	\$ 8,000	\$ 4,800
3HE11150AA	ASL VSR-AA ID and CTL VPN 100 Mbps	\$ 1,000	\$ 600
3HE11151AA	ASL VSR-AA Stateful FW VPN 1 Gbps	\$ 5,000	\$ 3,000
3HE11152AA	ASL VSR-AA Stateful FW 100 Mbps	\$ 650	\$ 390
3HE11153AA	ASL VSR-AA RTP Perf VPN 1 Gbps	\$ 5,000	\$ 3,000
3HE11154AA	ASL VSR-AA RTP Perf 100 Mbps	\$ 650	\$ 390
<b>NAT for VSR-PE, VSR-BNG, VSR-LNS, VSR-NAT</b>			
3HE11155AA	ASL VSR-NAT 10k Subs	\$ 3,000	\$ 1,800
3HE11156AA	ASL VSR-NAT 1 Gbps	\$ 3,000	\$ 1,800
3HE11157AA	ASL VSR-NAT Geo Redundancy	\$ 20,000	\$ 12,000
3HE11158AA	ASL VSR-NAT UPnP	\$ 25,000	\$ 15,000
3HE11159AA	ASL VSR L2Aware-NAT	\$ 35,000	\$ 21,000
3HE11160AA	ASL VSR MAP-T 1 Gbps	\$ 1,000	\$ 600
<b>IPSec for VSR-PE and VSR-SEGW</b>			
3HE11161AA	ASL VSR-IPsec 1k Tunnels	\$ 2,200	\$ 1,320
3HE11162AA	ASL VSR-IPsec 100 Mbps	\$ 800	\$ 480
3HE11163AA	ASL VSR-IPsec Geo Redundancy	\$ 50,000	\$ 30,000
<b>VSR-a</b>			
3HE11224AA	VSR-a R14.0 Route Reflector AC	\$ 74,000	\$ 44,400
3HE11224BA	VSR-a R14.0 Route Reflector DC	\$ 76,000	\$ 45,600
3HE12032AA	DC Power Supply Cable	\$ 125	\$ 75
<b>CMG-AA</b>			
3HE11791AA	ASL R9.0 CMG-AA TCP Optimization 10K Subs	\$ 6,800	\$ 1,420
3HE11792AA	ASL R9.0 CMG-AA DEM Gateway 10K Subs	\$ 8,250	\$ 2,840
<b>7705 SAR</b>			
<b>7705 SAR-8 (-48 VDC) Cards/Modules</b>			
3HE02776AB	8 PORT GE/FE ETHERNET CARD V2	\$ 5,200	\$ 3,120
3HE02776CB	8 PORT GE/FE ETHERNET CARD V2 / CONFORMAL COATED	\$ 5,850	\$ 3,510
3HE03125AA	4 PORT OC-3/STM-1 CLEAR CHANNEL CARD	\$ 18,000	\$ 10,800
3HE03125BA	4 PORT OC-3/STM-1 CLEAR CHANNEL CARD / CONFORMAL COATED	\$ 20,200	\$ 12,120
3HE03127AA	2P OC3/STM1 CHANNELIZED ADAPTER CARD	\$ 21,000	\$ 12,600
3HE03127BA	2P OC3/STM1 CHANNELIZED ADAPTER CARD/CONFORMAL COATED	\$ 23,550	\$ 14,130
3HE04962AA	4 PORT T3/E3 CARD	\$ 18,000	\$ 10,800
3HE03126AA	6 port E&M Interface Card	\$ 4,200	\$ 2,520
3HE03126BA	6 port E&M Interface Card / Conformal Coated	\$ 4,750	\$ 2,850
3HE07152AA	Power Injector Card	\$ 1,300	\$ 780
3HE07152BA	Power Injector Card / Conformal Coated	\$ 2,300	\$ 1,380
<b>7705 SAR-8 (+24 VDC) Cards/Modules</b>			
3HE02776BA	8 PORT GE/FE ETHERNET CARD V2 (+24VDC)	\$ 5,200	\$ 3,120
3HE02776DA	8 PORT GE/FE ETHERNET CARD V2 (+24VDC) / CONFORMAL COATED	\$ 5,850	\$ 3,510
3HE04962BA	4 PORT T3/E3 CARD (+24VDC)	\$ 18,000	\$ 10,800
<b>7705 SAR-8 (Dual -48/+24 VDC Support) Cards/Modules</b>			
3HE02774AB	CONTROL SWITCH MODULE V2 (CSMV2)	\$ 3,500	\$ 2,100
3HE02774CB	CONTROL SWITCH MODULE V2 (CSMV2) / CONFORMAL COATED	\$ 4,050	\$ 2,430
3HE06792EA	Fan Module (SAR-8 Shelf V2) Ext Temp	\$ 1,100	\$ 660
3HE06792FA	Fan Module (SAR-8 Shelf V2) Ext Temp / CONFORMAL COATED	\$ 1,800	\$ 1,080
3HE02772AA	Auxiliary Alarm Card (-48/+24 VDC)	\$ 6,000	\$ 3,600
3HE02772BA	Auxiliary Alarm Card (-48/+24 VDC) / CONFORMAL COATED	\$ 6,750	\$ 4,050
3HE02781AA	32 PORT T1/E1 ASAP CARD (-48/+24 VDC)	\$ 7,000	\$ 4,200
3HE02775AB	16 PORT T1/E1 ASAP CARD V2 (-48/+24 VDC)	\$ 4,200	\$ 2,520
3HE02775CB	16 PORT T1/E1 ASAP CARD V2 (-48/+24 VDC) / CONFORMAL COATED	\$ 4,750	\$ 2,850
3HE06151AA	8 PORT GE SFP CARD (-48/+24 VDC)	\$ 6,200	\$ 3,720
3HE06151BA	8 PORT GE SFP CARD (-48/+24 VDC) /CONFORMAL COATED	\$ 7,200	\$ 4,320
3HE06151AC	8 PORT GE SFP CARD V3 (-48/+24 VDC)	\$ 7,750	\$ 4,650

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Part No	Description	Unit GLP	Unit Sell Price
3HE06151BC	8 PORT GE SFP CARD V3 (-48/+24 VDC) /CONFORMAL COATED	\$ 8,800	\$ 5,280
3HE07938AA	4P OC3/STM1-1P OC12/STM4 (-48/+24 VDC) CHANNELIZED ADAPTER CA	\$ 29,000	\$ 17,400
3HE02782AA	Packet Microwave Card (-48/+24 VDC)	\$ 6,200	\$ 3,720
3HE02782BA	Packet Microwave Card (-48/+24 VDC) / CONFORMAL COATED	\$ 7,000	\$ 4,200
3HE06008AA	8 Port Voice & Teleprotection Card (-48/+24 VDC)	\$ 5,500	\$ 3,300
3HE06006BA	8 Port Voice & Teleprotection Card (-48/+24 VDC) / CONFORMAL COATED	\$ 6,200	\$ 3,720
3HE07942AA	Integrated Services Card	\$ 4,000	\$ 2,400
3HE07942BA	INTEGRATED SERVICES CARD (ISC) cc	\$ 6,000	\$ 3,600
3HE06794AA	8 port FXO line card (-48/+24 VDC)	\$ 5,000	\$ 3,000
3HE06794BA	8 port FXO line card (-48/+24 VDC) / CONFORMAL COATED	\$ 5,600	\$ 3,360
3HE06789AA	2 PORT 10GIGE (RING) XFP CARD (-48/+24 VDC)	\$ 10,200	\$ 6,120
3HE06789BA	2 PORT 10GIGE (RING) XFP CARD (-48/+24 VDC) / CONFORMAL COATED	\$ 11,450	\$ 6,870
3HE07943AA	2P 10GE+4P GE 10G ETH CARD (-48/+24VDC)	\$ 14,700	\$ 8,820
3HE07943BA	2P 10GE+4P GE 10G ETH CARD (-48/+24VDC)/CONFORMAL COATED	\$ 16,000	\$ 9,600
3HE03391AB	12P SERIAL DATA CARD V2 -48/+24VDC	\$ 7,600	\$ 4,560
3HE03391BB	12P SERIAL DATA CARD V2 -48/+24VDC/CONFORMAL COATED	\$ 8,400	\$ 5,040
3HE02780AA	6 port FXS line card (-48/+24 VDC)	\$ 5,000	\$ 3,000
3HE02780BA	6 port FXS line card (-48/+24 VDC) / CONFORMAL COATED	\$ 5,600	\$ 3,360
3HE07954AA	SAR-8/18 MULTI-GNSS RECEIVER MDA	\$ 6,000	\$ 3,600
3HE07954BA	SAR-8/18 MULTI-GNSS RECEIVER MDA cc	\$ 8,000	\$ 4,800
<b>7705 SAR-8 Chassis/Cables/Panels (For both -48/+24 VDC systems)</b>			
3HE06791AA	SAR-8 SHELF V2	\$ 2,500	\$ 1,500
3HE06791BA	SAR-8 SHELF V2/CONFORMAL COATED	\$ 3,000	\$ 1,800
3HE03399AB	T1/E1 CABLE 26 AWG OPEN-ENDED 30M	\$ 1,500	\$ 900
3HE03398AB	T1/E1 CABLE 26 AWG OPEN-ENDED 15M	\$ 750	\$ 450
3HE03397AA	T1/E1 CABLE FOR DISTRIBUTION PANEL 1M	\$ 200	\$ 120
3HE03397BB	T1/E1 Cable for Distribution Panel 1.6 m Cross-Over Configuration	\$ 200	\$ 120
3HE03395AA	32 PORT E1 BNC PANEL	\$ 3,200	\$ 1,920
3HE03394AA	32 PORT T1/E1 RJ45 PANEL	\$ 1,500	\$ 900
3HE06420AA	Hardened distribution panel mounting bracket kit	\$ 175	\$ 105
3HE03401AA	SYNCHRONIZATION Y- CABLE	\$ 150	\$ 90
3HE04506AB	V.35 CABLE - 2M	\$ 850	\$ 510
3HE04507AB	RS232 CABLE PAIR - 2M	\$ 850	\$ 510
3HE04509AD	OPEN ENDED SDI CABLE PAIR - 10M	\$ 1,500	\$ 900
3HE04508AB	X.21 CABLE - 2M	\$ 1,200	\$ 720
3HE08608AA	X.21 TO RS530 DCE ADAPTOR CABLE -- 1M	\$ 150	\$ 90
3HE04510AA	6 PORT V.35 DISTRIBUTION PANEL	\$ 1,100	\$ 660
3HE04511AA	6 PORT RS232 DISTRIBUTION PANEL	\$ 1,100	\$ 660
3HE04512BA	6 PORT X.21 DISTRIBUTION PANEL V2	\$ 1,100	\$ 660
3HE03054AA	SAR-8 Spare Blanking Plates (6 Pack)	\$ 400	\$ 240
3HE05260AA	7705 SAR-M ETSI Adapters	\$ 250	\$ 150
3HE04990AA	RJ45 TO BNC ADAPTER CABLES - 2 PACK	\$ 900	\$ 540
3HE02783AA	Aux Alarm Cable with Amp 64 Connector - 3M	\$ 700	\$ 420
3HE07771AA	7705 SAR-8 DC Port Surge Protector Kit	\$ 2,000	\$ 1,200
3HE10338AA	External Surge Protection Kit	\$ 2,300	\$ 1,380
3HE10339AA	CPX DC Defender Modules	\$ 650	\$ 390
<b>7705 SAR-18 Systems</b>			
3HE04991AA	SAR-18 SHELF	\$ 10,000	\$ 6,000
3HE04992AA	CONTROL SWITCH MODULE FOR SAR-18	\$ 7,500	\$ 4,500
3HE04993AA	FAN MODULE FOR SAR-18	\$ 2,500	\$ 1,500
3HE04994AA	ALARM MODULE FOR SAR-18	\$ 750	\$ 450
3HE06153AC	1 PORT 10GE / 10 PORT 1GE 10G-CARD V2	\$ 37,500	\$ 22,500
3HE04995AA	AIR FILTER FOR SAR-18 (4 pack)	\$ 600	\$ 360
3HE06022AA	CSM Blanking Plate for SAR-18	\$ 450	\$ 270
<b>7705 SAR-A Systems</b>			
3HE06797AA	SAR-A W/ 12 ENET 8 T1/E1 -48 VDC	\$ 13,200	\$ 7,920
3HE06796AA	SAR-A W/ 12 ENET -48 VDC	\$ 9,500	\$ 5,700
<b>7705 SAR-Ax Systems</b>			
3HE10329AA	SAR-Ax W/ 12p ENET and GNSS. -48/+24 VDC	\$ 12,500	\$ 7,500
<b>7705 SAR-H Systems, Modules, Power Supplies and Accessories</b>			
3HE06969AA	SAR-H High Voltage Shelf	\$ 12,000	\$ 7,200
3HE06969CA	SAR-H High Voltage Shelf /CONFORMAL COATED	\$ 13,500	\$ 8,100
3HE06969BA	SAR-H Low Voltage Shelf	\$ 12,000	\$ 7,200
3HE06969DA	SAR-H Low Voltage Shelf /CONFORMAL COATED	\$ 13,450	\$ 8,070
3HE06973AA	SAR-H T1/E1/Serial Combo Module	\$ 2,500	\$ 1,500
3HE06973BA	SAR-H T1/E1/Serial Combo Module / CONFORMAL COATED	\$ 3,050	\$ 1,830
3HE09303AA	SAR-H 4 Port Fast Ethernet module	\$ 2,500	\$ 1,500
3HE09303BA	SAR-H 4 Port Fast Ethernet module / CONFORMAL COATED	\$ 3,350	\$ 2,010
3HE06970AA	100W 48V DC Power Supply - HV Input	\$ 3,700	\$ 2,220
3HE06970CA	100W 48V DC Power Supply - HV Input /Conformal Coated	\$ 4,400	\$ 2,640
3HE06970BA	100W 48V DC Power Supply - LV Input	\$ 5,300	\$ 3,180
3HE06970DA	100W 48V DC Power Supply - LV Input /Conformal Coated	\$ 6,000	\$ 3,600
3HE06971AA	SAR-H PoE Power Supply mounting tray	\$ 450	\$ 270
3HE07769AA	7705 SAR-H Wall/reverse rack mounting kit	\$ 450	\$ 270
3HE07770AA	7705 SAR-H PoE Wall Mount kit	\$ 450	\$ 270
3HE07955AA	SAR-H GPS Receiver Module	\$ 5,000	\$ 3,000
3HE07961AA	SAR-H/8/18 1M GPS CABLE (DIN/DIN)	\$ 250	\$ 150

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE07962AA	SAR-H/8/18 1M GPS Cable (DIN/N)	\$ 250	\$ 150
<b>7705 SAR-Hc Systems and Accessories</b>			
3HE07353AA	SAR-HC	\$ 6,750	\$ 4,050
3HE07353BA	SAR-HC W/ CONFORMAL COAT	\$ 7,600	\$ 4,560
3HE07945AA	SAR-HC Panel Mounting H/W Kit - Rear Mount	\$ 250	\$ 150
3HE07945AB	SAR-Hc Panel Mounting H/W Kit - Side Mount	\$ 250	\$ 150
3HE07357AA	SAR-HC Din Mounting H/W KIT -Rear Mount	\$ 250	\$ 150
3HE07357AB	SAR-HC Din Mounting H/W Kit -Side Mount	\$ 250	\$ 150
<b>7705 SAR-M Systems and Accessories</b>			
3HE05051AB	SAR-M with 16 T1/E1, 7 GigE, -48/+24 VDC	\$ 13,200	\$ 7,920
3HE05051BB	SAR-M W 16 T1/E1, 7 GIGE, -48/+24 VDC/CONFORMAL COAT	\$ 14,800	\$ 8,880
3HE05653AA	SAR-M with 7 GigE, -48/+24 VDC	\$ 9,500	\$ 5,700
3HE05653BA	SAR-M with 7 GigE, -48/+24 VDC /CONFORMAL COAT	\$ 10,650	\$ 6,390
3HE09170AA	6 PORT ETHERNET MODULE FOR SAR-M	\$ 3,300	\$ 1,980
3HE09170BA	6 PORT ETHERNET MODULE FOR SAR-M / CONFORMAL COATED	\$ 4,225	\$ 2,535
3HE08788AA	2 Port 10GIGE (Ring) Module -SAR-M	\$ 5,200	\$ 3,120
3HE08788BA	2 Port 10GIGE (Ring) Module -SAR-M / CONFORMAL COATED	\$ 5,850	\$ 3,510
3HE09411AA	Ethernet Cable with RJ.5 and RJ45 connectors (6M)	\$ 150	\$ 90
3HE09411BA	Ethernet Cable with RJ.5 and RJ45 connectors (20M)	\$ 400	\$ 240
3HE09411CA	Ethernet Cable with RJ.5 and RJ45 connectors (50M)	\$ 900	\$ 540
<b>7705 SAR-W System and Accessories</b>			
3HE07349AA	SAR-W with 5 Ethernet GigE ports, AC and DC Power	\$ 11,500	\$ 6,900
3HE07800AA	SAR-W Mounting Bracket Kit	\$ 500	\$ 300
3HE09389AA	SAR-W Strand Mounting Bracket	\$ 810	\$ 486
3HE09584AA	SAR-W Cosmetic Paintable Wrap Around	\$ 810	\$ 486
3HE09698AA	SAR-W and SAR-O Rack/Cabinet Mounting Bracket Kit	\$ 810	\$ 486
3HE07803BA	SAR-W DC Power Cable (12m)	\$ 500	\$ 300
<b>7705 SAR-Wx Systems and Accessories</b>			
3HE07614AA	SAR-Wx w 5 GigE & AC pwr	\$ 10,500	\$ 6,300
3HE07615AA	SAR-Wx w 5 GigE, GPS Rx & AC pwr	\$ 13,500	\$ 8,100
3HE07616AA	SAR-Wx w 5 GigE, PoE+, & AC pwr	\$ 11,500	\$ 6,900
3HE07617AA	SAR-Wx w 5 GigE,PoE+,GPS Rx & AC pwr	\$ 14,500	\$ 8,700
3HE07618AA	SAR-Wx w 4 GigE, 4p xDSL & AC pwr	\$ 11,500	\$ 6,900
3HE07619AA	SAR-Wx w 4 GigE,4p xDSL,GPS Rx & AC pwr	\$ 14,500	\$ 8,700
3HE07957AA	SAR-Wx Pole/Wall Mounting Bracket	\$ 750	\$ 450
3HE07958AA	SAR-Wx Strand Mounting Bracket	\$ 450	\$ 270
3HE07959AA	SAR-Wx GPS Antenna Mounting	\$ 500	\$ 300
3HE07960AA	SAR-Wx 0.35m GPS Cable	\$ 250	\$ 150
<b>7705 SAR-W/Wx Common Accessories</b>			
3HE07803AA	SAR-W/Wx AC Power Cable (12m)	\$ 400	\$ 240
3HE07801AA	Carrying Handle Kit for SAR-W or SAR-Wx	\$ 175	\$ 105
3HE07804AA	SAR-W/Wx Ethernet Cable Kit	\$ 350	\$ 210
3HE07804BA	SAR-W/Wx Ethernet Cable Kit (0.3m)	\$ 700	\$ 420
<b>7705 SAR-X Systems and Accessories</b>			
3HE08533AA	SAR-X ( AC System )	\$ 24,550	\$ 14,730
3HE08534AA	SAR-X ( DC System )	\$ 24,550	\$ 14,730
3HE08534BA	SAR-X ( DC System ) W/ CONFORMAL COAT	\$ 25,700	\$ 15,420
3HE09257AA	7705 SAR-X Air Filter Media replacement kit (10)	\$ 400	\$ 240
<b>SAR Power Supply</b>			
3HE05838AA	250W 120/240V AC power converter	\$ 1,550	\$ 930
3HE05837BA	7705 AC power converter pigtail - O-ring	\$ 260	\$ 156
3HE06972AB	PSE Certified 100W High Voltage Power Supply	\$ 750	\$ 450
3HE10447AA	AC POWER CABLE, LOCKING, 8FT, JAPAN	\$ 275	\$ 165
3HE10040AA	AC POWER CABLE, LOCKING, 6FT, NA	\$ 275	\$ 165
3HE10041AA	AC POWER CABLE, LOCKING, 8FT, EUR	\$ 275	\$ 165
<b>GPS/GNSS Antennas</b>			
3HE11035AA	GNSS ANTENNA 26 dB GAIN	\$ 1,600	\$ 960
3HE11035AB	GNSS ANTENNA 40 dB GAIN	\$ 1,600	\$ 960
3HE11036AA	GPS ANTENNA 26 dB GAIN	\$ 1,300	\$ 780
3HE11036AB	GPS ANTENNA 40 dB GAIN	\$ 1,300	\$ 780
<b>7705 Software OS</b>			
3HE02784JA	SAR RELEASE 7.0 BASIC OS LICENSE	\$ 850	\$ 510
3HE02784KA	SAR RELEASE 8.0 BASIC OS LICENSE	\$ 850	\$ 510
3HE05574FA	SAR-18 RELEASE 7.0 BASIC OS LICENSE	\$ 1,500	\$ 900
3HE05574GA	SAR-18 RELEASE 8.0 BASIC OS LICENSE	\$ 1,500	\$ 900
<b>7705 Software OS Upgrades</b>			
3HE02785JA	SAR RELEASE 7.0 BASIC OS UPGRADE	\$ 750	\$ 450
3HE02785KA	SAR RELEASE 8.0 BASIC OS UPGRADE	\$ 750	\$ 450
3HE06681FA	SAR-18 RELEASE 7.0 BASIC OS UPGRADE	\$ 1,200	\$ 720
3HE06681GA	SAR-18 RELEASE 8.0 BASIC OS UPGRADE	\$ 1,200	\$ 720
<b>7705 IPSEC ( Basic, Upgrade, Full ) RTUs</b>			
3HE08607EA	RTU - 7705 SAR-8 Basic IPsec LICENSE	\$ 2,300	\$ 1,380
3HE08607EB	RTU - 7705 SAR-8 UP-Basic to Full IPsec	\$ 3,430	\$ 2,058
3HE08607EC	RTU - 7705 SAR-8 Full IPsec LICENSE	\$ 4,500	\$ 2,700
3HE08607FA	RTU - 7705 SAR-18 Basic IPsec LICENSE	\$ 3,000	\$ 1,800
3HE08607FB	RTU - 7705 SAR-18 UP-Basic to Full IPsec	\$ 4,500	\$ 2,700
3HE08607FC	RTU - 7705 SAR-18 Full IPsec LICENSE	\$ 6,000	\$ 3,600

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE08607HA	RTU - 7705 SAR-Ax Basic IPSec LICENSE	\$ 1,500	\$ 900
3HE08607HB	RTU - 7705 SAR-Ax UP-Basic to Full IPSec	\$ 2,250	\$ 1,350
3HE08607HC	RTU - 7705 SAR-Ax Full IPSec LICENSE	\$ 3,000	\$ 1,800
3HE08607CA	RTU - 7705 SAR-W Basic IPSec LICENSE	\$ 1,500	\$ 900
3HE08607CB	RTU - 7705 SAR-W UP-Basic to Full IPSec	\$ 2,250	\$ 1,350
3HE08607CC	RTU - 7705 SAR-W Full IPSec LICENSE	\$ 3,000	\$ 1,800
3HE08607DA	RTU - 7705 SAR-Wx Basic IPSec LICENSE	\$ 1,500	\$ 900
3HE08607DB	RTU - 7705 SAR-Wx UP-Basic to Full IPSec	\$ 2,250	\$ 1,350
3HE08607DC	RTU - 7705 SAR-Wx Full IPSec LICENSE	\$ 3,000	\$ 1,800
3HE08607AA	RTU - 7705 SAR-H Basic IPSec LICENSE	\$ 1,500	\$ 900
3HE08607AB	RTU - 7705 SAR-H UP-Basic to Full IPSec	\$ 2,250	\$ 1,350
3HE08607AC	RTU - 7705 SAR-H Full IPSec LICENSE	\$ 3,000	\$ 1,800
3HE08607BA	RTU - 7705 SAR-Hc Basic IPSec LICENSE	\$ 1,500	\$ 900
3HE08607BB	RTU - 7705 SAR-Hc UP-Basic to Full IPSec	\$ 2,250	\$ 1,350
3HE08607BC	RTU - 7705 SAR-Hc Full IPSec LICENSE	\$ 3,000	\$ 1,800
3HE08607GA	RTU - 7705 SAR-X Basic IPSec LICENSE	\$ 2,300	\$ 1,380
3HE08607GB	RTU - 7705 SAR-X UP-Basic to Full IPSec	\$ 3,430	\$ 2,058
3HE08607GC	RTU - 7705 SAR-X Full IPSec LICENSE	\$ 4,500	\$ 2,700
<b>7705 NGE RTUs</b>			
3HE09259EA	RTU - 7705 SAR-8 NGE LICENSE	\$ 6,000	\$ 3,600
3HE09259FA	RTU - 7705 SAR-18 NGE LICENSE	\$ 8,000	\$ 4,800
3HE09259HA	7705 SAR-Ax NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259CA	7705 SAR-W NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259DA	7705 SAR-Wx NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259AA	7705 SAR-H NGE LICENSE	\$ 3,500	\$ 2,100
3HE09259BA	7705 SAR-Hc NGE LICENSE	\$ 8,000	\$ 4,800
3HE09259GA	7705 SAR-X NGE LICENSE		
<b>7705 Encryption RTUs</b>			
3HE09302CA	RTU -2P 10GE+4P GE 10G ETH ENCRYPTION	\$ 1,500	\$ 900
3HE09302AA	RTU-8 PORT GE SFP CARD V3 Encrypt	\$ 1,500	\$ 900
3HE09302BA	RTU -1P 10GE/10P 1GE 10G CARD V2 Encrypt	\$ 5,000	\$ 3,000
<b>7705 Firewall RTUs</b>			
3HE09747AA	RTU - 7705 SAR Basic SW FW LICENSE	\$ 2,000	\$ 1,200
3HE09747BA	RTU -8 PORT GE SFP CARD FW	\$ 2,000	\$ 1,200
3HE09747BB	RTU -2 PORT 10GIGE (RING) XFP CARD FW	\$ 2,000	\$ 1,200
3HE09747BC	RTU -Packet Microwave Card FW	\$ 2,000	\$ 1,200
3HE09747BD	RTU -1P 10GE/10P 1GE 10G CARD FW	\$ 6,000	\$ 3,600
3HE09747BE	RTU -6p Eth 10GE CARD FW	\$ 6,000	\$ 3,600
3HE09747CE	RTU HW SAR-Ax FW	\$ 2,000	\$ 1,200
3HE09747CA	RTU HW SAR-H FW	\$ 2,000	\$ 1,200
3HE09747CB	RTU HW SAR-Hc FW	\$ 2,000	\$ 1,200
3HE09747CC	RTU HW SAR-Wx FW	\$ 2,000	\$ 1,200
3HE09747CD	RTU HW SAR-X FW	\$ 6,000	\$ 3,600
<b>7705 SW Licenses</b>			
3HE07354AA	RTU - 7705 SAR PoE LICENSE	\$ 800	\$ 480
3HE07354AB	RTU - 7705 IP Multicast LICENSE	\$ 1,700	\$ 1,020
3HE07354AC	RTU - 7705 IEEE1588 Time/Phase LICENSE	\$ 800	\$ 480
3HE11223AA	RTU - 7705 GNSS RTU	\$ 3,000	\$ 1,800
3HE07354AF	MDDB RTU Software license	\$ 50,000	\$ 30,000
3HE07354AH	RTU - MDDB LICENSE (ADDITIONAL NODES)	\$ 2,000	\$ 1,200
3HE07354AJ	RTU - PCM MULTIDROP BRIDGING LICENSE	\$ 50,000	\$ 30,000
3HE07354AK	RTU - PCM MULTIDROP BRIDGING (ADDITIONAL NODES)	\$ 2,000	\$ 1,200
3HE07354AR	RTU - 7705 VPN Multicast LICENSE	\$ 1,700	\$ 1,020
<b>GigE Optics Modules</b>			
3HE09500AA	SFP-100M FX SGMII 2KM ROHS6/6 -40/85C	\$ 400	\$ 240
<b>Passive Optical Cards/Modules</b>			
3HE06582BA	SAR-M OADM Add/Drop CWDM 1471	\$ 5,000	\$ 3,000
3HE06582BB	SAR-M OADM Add/Drop CWDM 1491	\$ 5,000	\$ 3,000
3HE06582BC	SAR-M OADM Add/Drop CWDM 1511	\$ 5,000	\$ 3,000
3HE06582BD	SAR-M OADM Add/Drop CWDM 1531	\$ 5,000	\$ 3,000
3HE06582BE	SAR-M OADM Add/Drop CWDM 1551	\$ 5,000	\$ 3,000
3HE06582BF	SAR-M OADM Add/Drop CWDM 1571	\$ 5,000	\$ 3,000
3HE06582BG	SAR-M OADM Add/Drop CWDM 1591	\$ 5,000	\$ 3,000
3HE06582BH	SAR-M OADM Add/Drop CWDM 1611	\$ 5,000	\$ 3,000
3HE06582AA	SAR-8/18 OADM Add/Drop CWDM 1471	\$ 5,000	\$ 3,000
3HE06582AB	SAR-8/18 OADM Add/Drop CWDM 1491	\$ 5,000	\$ 3,000
3HE06582AC	SAR-8/18 OADM Add/Drop CWDM 1511	\$ 5,000	\$ 3,000
3HE06582AD	SAR-8/18 OADM Add/Drop CWDM 1531	\$ 5,000	\$ 3,000
3HE06582AE	SAR-8/18 OADM Add/Drop CWDM 1551	\$ 5,000	\$ 3,000
3HE06582AF	SAR-8/18 OADM Add/Drop CWDM 1571	\$ 5,000	\$ 3,000



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Part No	Description	Unit GLP	Unit Sell Price
3HE06582AG	SAR-8/18 OADM Add/Drop CWDM 1591	\$ 5,000	\$ 3,000
3HE06582AH	SAR-8/18 OADM Add/Drop CWDM 1611	\$ 5,000	\$ 3,000
3HE06583AA	SAR-8/18 OADM Add/Drop 1471/1491	\$ 8,000	\$ 4,800
3HE06583AB	SAR-8/18 OADM Add/Drop 1511/1531	\$ 8,000	\$ 4,800
3HE06583AC	SAR-8/18 OADM Add/Drop 1551/1571	\$ 8,000	\$ 4,800
3HE06583AD	SAR-8/18 OADM Add/Drop 1591/1611	\$ 8,000	\$ 4,800
3HE06584AA	SAR-8/18 OADM 4 color Add/Drop 1471/1491/1511/1531	\$ 8,000	\$ 4,800
3HE06584AB	SAR-8/18 OADM 4 color Add/Drop 1551/1571/1591/1611	\$ 10,000	\$ 6,000
3HE06585AA	SAR-8/18 8 Color Mux/Demux 1471-1611		
<b>7705 SAR-O (Outdoor Passive Optical Chassis)</b>			
3HE07939AA	SAR-O 2-Fiber CWDM 4color 1471-1531	\$ 9,500	\$ 5,700
3HE07939BA	SAR-O 2-Fiber CWDM 4color 1551-1611	\$ 9,500	\$ 5,700
3HE07939CA	SAR-O 2-Fiber CWDM 4 color 1271-1331	\$ 9,500	\$ 5,700
3HE07939DA	SAR-O 2-Fiber CWDM 4 color 1351-1451	\$ 9,500	\$ 5,700
3HE09641AA	SAR-O 2-Fiber CWDM 2 color 1271/1291	\$ 9,500	\$ 5,700
3HE09642AA	SAR-O 2-Fiber CWDM 2 color 1311/1331	\$ 9,500	\$ 5,700
3HE09643AA	SAR-O 2-Fiber CWDM 2 color 1351/1371	\$ 9,500	\$ 5,700
3HE09644AA	SAR-O 2-Fiber CWDM 2 color 1431/1451	\$ 9,500	\$ 5,700
3HE09126AA	SAR-O 2-Fiber CWDM 2 color 1471/1491	\$ 9,500	\$ 5,700
3HE09127AA	SAR-O 2-Fiber CWDM 2 color 1511/1531	\$ 9,500	\$ 5,700
3HE09128AA	SAR-O 2-Fiber CWDM 2 color 1551/1571	\$ 9,500	\$ 5,700
3HE09129AA	SAR-O 2-Fiber CWDM 2 color 1591/1611	\$ 9,500	\$ 5,700
3HE07940AA	SAR-O 1-Fiber CWDM 8 color Mux (Up)	\$ 9,500	\$ 5,700
3HE07940BA	SAR-O 1-Fiber CWDM 8 color Mux (Dn)		
<b>Outdoor Enclosures</b>			
3HE07671AA	-48VDC PWR SURGE PROTECTOR	\$ 1,289	\$ 773
3HE08279BA	24VDC PWR SURGE PROTECTOR	\$ 1,557	\$ 934
3HE08279AA	AC PWR SURGE PROTECTOR	\$ 796	\$ 478
3HE07529AA	Ethernet Surge Protector with 4' CAT6 jumper	\$ 473	\$ 284
3HE07672AA	16-POS BRACKET ENET SURGE PROTECTORS	\$ 381	\$ 229
3HE07673AA	12-POS FIBER SPLICE & TERM TRAY	\$ 1,323	\$ 794
3HE07674AA	24-POS FIBER SPLICE & TERM TRAY	\$ 2,471	\$ 1,483
3HE07676AA	ALP-7705/7210 CABINET BATTERY CABLE KIT	\$ 521	\$ 313
3HE07678AA	ALP-7705/7210 CONCRETE ANCHOR PLATE	\$ 940	\$ 564
3HE07679AA	DC DISTRIBUTION / GMT FUSE PANEL	\$ 1,193	\$ 716
3HE07682AA	AC-DC RECTIFIER SHELF, PWR-ONE, W/O BATTERY BREAKER	\$ 4,056	\$ 2,434
3HE07683AA	AC-DC RECTIFIER SHELF, PWR-ONE, W/BATTERY BREAKER	\$ 5,305	\$ 3,183
<b>7210 SAS</b>			
<b>7210 OS</b>			
3HE11467AA	OS - 7210 SAS-K 2F6C4T Release 9.x	\$ 350	\$ 210
3HE10757AA	OS - 7210 SAS-D Release 8.x (or upgrade to rel 8.x).	\$ 225	\$ 135
3HE10758AA	OS - 7210 SAS-E Release 8.x (or upgrade to rel 8.x).	\$ 375	\$ 225
3HE10759AA	OS - 7210 SAS-M Release 8.x (or upgrade to rel 8.x).	\$ 700	\$ 420
3HE10760AA	OS - 7210 SAS-X Release 8.x (or upgrade to rel 8.x).	\$ 1,500	\$ 900
3HE10218BA	OS - 7210 SAS-K 2F1C2T Release 8.x (or upgrade to release 8.x).	\$ 225	\$ 135
3HE10218CA	OS-7210 SAS-K 2F1C2T Rel-9 SD	\$ 225	\$ 135
3HE10757BA	OS -7210 SAS-D Rel 9.x or upg to rel 9.x	\$ 375	\$ 225
3HE10758BA	OS -7210 SAS-E Rel 9.x or upg to rel 9.x	\$ 700	\$ 420
3HE10759BA	OS -7210 SAS-M Rel 9.x or upg to rel 9.x	\$ 1,500	\$ 900
3HE10760BA	OS -7210 SAS-X Rel 9.x or upg to rel 9.x	\$ 700	\$ 420
3HE09507BA	OS - 7210 SAS-T Release 8.x (or upgrade to rel 8.x)	\$ 900	\$ 540
3HE09507CA	OS -7210 SAS-T Rel 9.x or upg to rel 9.x	\$ 200	\$ 120
3HE11468AA	RTU-7210 SAS-K 2F6C4T, IP svc License	\$ 400	\$ 240
3HE09569AA	RTU - 7210 SAS-T IP Services License	\$ 400	\$ 240
3HE09570AA	RTU - 7210 SAS-T MPLS-TP Service License	\$ 400	\$ 240
3HE09571AA	RTU - 7210 SAS-T 1588v2 & Timing If Lic.		
<b>7210 SAS-D Systems, Power Supplies and Accessories</b>			
3HE05677AC	SYS - 7210 SAS-D 6F4T AC	\$ 1,430	\$ 858
3HE05676AC	SYS - 7210 SAS-D 6F4T ETR AC	\$ 2,050	\$ 1,230
3HE05676AD	SYS - 7210 SAS-D 6F4T ETR -48V DC	\$ 2,100	\$ 1,260
3HE06537AB	SYS - 7210 SAS-D 6F4T ETR +24V DC	\$ 2,150	\$ 1,290
3HE05677AD	SYS - 7210 SAS-D 6F4T -48V DC	\$ 1,475	\$ 885
3HE05681AD	SYS - 7210 SAS-D 6F4T AC w NAR Power Cord	\$ 1,430	\$ 858
3HE05681AE	SYS - 7210 SAS-D 6F4T AC w UK Power Cord	\$ 1,430	\$ 858
3HE05681AF	SYS - 7210 SAS-D 6F4T AC w EUR Power Cord	\$ 1,430	\$ 858
3HE05682AD	SYS - 7210 SAS-D 6F4T ETR AC w NAR Power Cord	\$ 2,050	\$ 1,230
3HE05682AE	SYS - 7210 SAS-D 6F4T ETR AC w UK Power Cord	\$ 2,050	\$ 1,230

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE05682AF	SYS - 7210 SAS-D 6F4T ETR AC w EUR Power Cord	\$ 2,050	\$ 1,230
3HE06693AA	PS - 7210 SAS-D ETR External power supply AC	\$ 240	\$ 144
3HE06694AA	PS - 7210 SAS-D ETR External power supply DC -48V	\$ 260	\$ 156
3HE06695AA	PS - 7210 SAS-D ETR External power supply DC +24V	\$ 260	\$ 156
3HE06696AA	ACC - 7210 SAS-D rack mount kit	\$ 80	\$ 48
3HE06697AA	ACC - 7210 SAS-D ETR external PS tray	\$ 200	\$ 120
<b>7210 SAS-E Systems</b>			
3HE04698AA	SYS - 7210 SAS-E 12F12T	\$ 3,570	\$ 2,142
3HE04774AA	SYS - 7210 SAS-E 12F12T AC w NAR Power Cord	\$ 3,750	\$ 2,250
3HE04774AB	SYS - 7210 SAS-E 12F12T AC w UK Power Cord	\$ 3,750	\$ 2,250
3HE04774AC	SYS - 7210 SAS-E 12F12T AC w EUR Power Cord	\$ 3,750	\$ 2,250
3HE04410AC	SYS - 7210 SAS-E 12F12T AC	\$ 3,800	\$ 2,280
3HE04410AD	SYS - 7210 SAS-E 12F12T -48V DC	\$ 4,100	\$ 2,460
3HE06941AB	SYS - 7210 SAS-E 12F12T +24V DC		
<b>7210 SAS-K Systems &amp; Accessories</b>			
3HE09425AA	SYS - 7210 SAS-K 2F2T1C	\$ 1,400	\$ 840
3HE09426AA	SYS - 7210 SAS-K 2F2T1C ETR	\$ 1,900	\$ 1,140
3HE10959AA	SYS - 7210 SAS-K 2F4T6C	\$ 2,500	\$ 1,500
3HE09749AA	ACC - SAS-K AC N-ETR PSCL NAR5	\$ 150	\$ 90
3HE09749AB	ACC - SAS-K AC N-ETR PSCL NAR1	\$ 120	\$ 72
3HE09750AA	ACC - SAS-K AC N-ETR PSCL EUR	\$ 150	\$ 90
3HE09751AA	ACC - SAS-K AC N-ETR PS Cbl UK	\$ 200	\$ 120
3HE09752AA	PS - SAS-K AC Non-ETR PS 5 pck	\$ 375	\$ 225
3HE09752AB	PS - SAS-K AC Non-ETR PS (1)	\$ 180	\$ 108
3HE10962AA	PS - 7210 SAS-K 2F4T6C Non-ETR AC	\$ 260	\$ 156
3HE10963AA	PS - 7210 SAS-K 2F4T6C Non-ETR -48V DC	\$ 485	\$ 291
3HE09914AA	ACC - 7210 SAS-K non-ETR rack mount	\$ 300	\$ 180
3HE10027AA	ACC - 7210 SAS-K ETR rack mount	\$ 350	\$ 210
3HE10028AA	ACC - 7210 SAS-K ETR Wall mount	\$ 375	\$ 225
3HE10029AA	PS - 7210 SAS-K ETR AC power supply	\$ 350	\$ 210
3HE10030AA	PS - 7210 SAS-K ETR -48V DC power supply	\$ 360	\$ 216
3HE10219AA	PS - 7210 SAS-K ETR +24V DC power supply	\$ 400	\$ 240
<b>7210 SAS-M Systems</b>			
3HE04699AA	SYS - 7210 SAS-M 24F	\$ 6,850	\$ 4,110
3HE05828AA	SYS - 7210 SAS-M 24F2XFP	\$ 10,850	\$ 6,510
3HE06035AA	SYS - 7210 SAS-M 24F2XFP ETR	\$ 16,000	\$ 9,600
3HE05578AA	SYS - 7210 SAS-M24F AC w NAR Power Cord	\$ 7,000	\$ 4,200
3HE05578AB	SYS - 7210 SAS-M 24F AC w UK Power Cord	\$ 7,000	\$ 4,200
3HE05578AC	SYS - 7210 SAS-M 24F AC w EUR Power Cord	\$ 7,000	\$ 4,200
3HE05029AC	SYS - 7210 SAS M24F AC	\$ 7,100	\$ 4,260
3HE05029AD	SYS - 7210 SAS-M 24F -48V DC	\$ 7,200	\$ 4,320
3HE06534AB	SYS - 7210 SAS-M 24F + 24V DC	\$ 11,000	\$ 6,600
3HE05678AA	SYS - 7210 SAS-M 24F2XFP AC w NAR Power Cord	\$ 11,000	\$ 6,600
3HE05678AB	SYS - 7210 SAS-M 24F2XFP AC w UK Power Cord	\$ 11,000	\$ 6,600
3HE05678AC	SYS - 7210 SAS-M 24F2XFP AC w EUR Power Cord	\$ 11,000	\$ 6,600
3HE05679AD	SYS - 7210 SAS-M 24F2XFP ETR AC w NAR pc	\$ 16,350	\$ 9,810
3HE05679AE	SYS - 7210 SAS-M 24F2XFP ETR AC w UK pc	\$ 16,350	\$ 9,810
3HE05679AF	SYS - 7210 SAS-M 24F2XFP ETR AC w EUR pc	\$ 11,000	\$ 6,600
3HE05168AB	SYS - 7210 SAS-M 24F2XFP AC	\$ 11,100	\$ 6,660
3HE05169AB	SYS - 7210 SAS-M 24F2XFP -48V DC	\$ 11,200	\$ 6,720
3HE06535AB	SYS - 7210 SAS-M 24F2XFP +24V DC	\$ 16,350	\$ 9,810
3HE05589AC	SYS - 7210 SAS-M 24F2XFP ETR AC	\$ 16,450	\$ 9,870
3HE05590AC	SYS - 7210 SAS-M 24F2XFP ETR -48V DC	\$ 17,550	\$ 10,530
3HE06536AB	SYS - 7210 SAS-M 24F2XFP ETR + 24V DC		
<b>7210 SAS-Mxp Systems</b>			
3HE10417AA	OS - 7210 SAS-Mxp Release 8.x	\$ 900	\$ 540
3HE10417BA	OS-7210 SAS-Mxp Rel-9 or upg to rel-9	\$ 900	\$ 540
3HE10418AA	RTU - 7210 SAS-Mxp IP Services License	\$ 500	\$ 300
3HE10420AA	RTU - 7210 SAS-Mxp 1588v2 & Timing If Lic.	\$ 500	\$ 300
<b>7210 SAS-T Systems</b>			
3HE08116AA	SYS - 7210 SAS-T 12F 10T 4XFP	\$ 5,900	\$ 3,540
3HE08117AA	SYS -7210 SAS-T 12F 10T 4XFP ETR	\$ 7,700	\$ 4,620
3HE08362AA	SYS - 7210 SAS-T 12F 10T 4XFP AC	\$ 6,150	\$ 3,690
3HE08362AB	SYS - 7210 SAS-T 12F 10T 4XFP -48V DC	\$ 6,250	\$ 3,750
3HE08362AC	SYS - 7210 SAS-T 12F 10T 4XFP +24V DC	\$ 6,650	\$ 3,990
3HE08363AA	SYS - 7210 SAS-T 12F 10T 4XFP ETR AC	\$ 8,300	\$ 4,980
3HE08363AB	SYS - 7210 SAS-T 12F 10T 4XFP ETR -48V DC	\$ 8,500	\$ 5,100
3HE08363AC	SYS - 7210 SAS-T 12F 10T 4XFP ETR +24V DC	\$ 8,450	\$ 5,070
3HE08364AA	SYS - 7210 SAS-T 12F 10T 4XFP AC w NAR Power cord	\$ 6,250	\$ 3,750
3HE08364AB	SYS - 7210 SAS-T 12F 10T 4XFP AC w UK Power Cord	\$ 6,250	\$ 3,750
3HE08364AC	SYS - 7210 SAS-T 12F 10T 4XFP AC w EUR Power Cord	\$ 6,250	\$ 3,750
3HE08365AA	SYS - 7210 SAS-T 12F 10T 4XFP ETR AC w NAR Power cord	\$ 8,350	\$ 5,010
3HE08365AB	SYS - 7210 SAS-T 12F 10T 4XFP ETR AC w UK Power Cord	\$ 8,350	\$ 5,010
3HE08365AC	SYS - 7210 SAS-T 12F 10T 4XFP ETR AC w EUR Power Cord	\$ 8,350	\$ 5,010



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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>7210 SAS-S Satellite Systems</b>			
3HE10492AA	SYS - 7210 SAS-Sx 46F2C4SFP+	\$ 8,500	\$ 5,100
3HE10493AA	SYS - 7210 SAS-Sx 22F2C4SFP+	\$ 9,100	\$ 4,410
3HE10494AA	SYS - 7210 SAS-Sx 48T4SFP+	\$ 8,350	\$ 4,905
3HE10495AA	SYS - 7210 SAS-Sx 24T4SFP+	\$ 7,500	\$ 4,416
3HE10496AA	SYS - 7210 SAS-Sx 48Tp4SFP+ (PoE)	\$ 9,575	\$ 5,565
3HE10497AA	SYS - 7210 SAS-Sx 24Tp4SFP+ (PoE)	\$ 8,650	\$ 4,635
3HE11597AA	SYS - 7210 SAS-Sx 64SFP+ 4QSFP28	\$ 31,000	\$ 18,600
3HE10835AA	SYS - 7210 SAS-Sx 64SFP+ 4CFP4	\$ 31,000	\$ 18,600
3HE10530AA	SYS - 7210 SAS-S 48F4SFP+ (AC)	\$ 6,325	\$ 3,600
3HE10531AA	SYS - 7210 SAS-S 48F4SFP+ (DC -48)	\$ 6,450	\$ 3,705
3HE10532AA	SYS - 7210 SAS-S 24F4SFP+ (AC)	\$ 5,000	\$ 2,850
3HE10533AA	SYS - 7210 SAS-S 24F4SFP+ (DC -48)	\$ 5,200	\$ 3,060
3HE10328AA	SYS - 7210 SAS-Sx SONET/SDH ETR DC	\$ 30,000	\$ 18,000
3HE10866AA	OS-7210SAS-Sx R8.0 Base OS 1G standalone	\$ 1,000	\$ 600
3HE10866BA	OS-7210 SAS-S/Sx 1/10 Rel-9 Base Lic S-A	\$ 1,000	\$ 600
3HE11469AA	OS-7210 SAS-Sx 10/100 Rel-9 Base Lic S-A	\$ 5,000	\$ 3,000
3HE11470AA	RTU-7210 SAS-Sx 10/100 IP svc Lic S-A	\$ 2,500	\$ 1,500
3HE11471AA	OS-7210 SAS-Sx 10/100 Rel-9 Base Lic Sat	\$ 2,000	\$ 1,200
3HE10867AA	RTU-7210SAS-Sx IP Srv-Lic 1G stand alone	\$ 600	\$ 360
3HE10869AA	OS-7210SAS-Sx R8.0 Base OS 1G satellite	\$ 500	\$ 300
3HE10869BA	OS-7210SAS-S/Sx 1/10 Rel-9 Base Lic Sat	\$ 500	\$ 300
<b>7210 SAS-S Power supplies and Accessories</b>			
3HE10498AA	PS - 7210 SAS-Sx Power Supply AC (F)	\$ 750	\$ 450
3HE10499AA	PS - 7210 SAS-Sx Power Supply DC -48V (F)	\$ 1,430	\$ 858
3HE10500AA	PS - 7210 SAS-Sx Power Supply AC	\$ 640	\$ 384
3HE10501AA	PS - 7210 SAS-Sx Power Supply DC -48V (T)	\$ 700	\$ 420
3HE10502AA	PS - 7210 SAS-Sx Power Supply PoE AC	\$ 1,200	\$ 720
3HE10503AA	ACC - 7210 SAS-Sx Fan Tray Filter (10)	\$ 1,500	\$ 900
3HE10836AA	PS - 7210 SAS-Sx 64SFP+4CFP4 NETR AC	\$ 800	\$ 480
3HE10837AA	PS - 7210 SAS-Sx 64SFP+4CFP4 NETR DC	\$ 1,800	\$ 1,080
3HE10542AA	PS - 7210 SAS-S Power Supply AC	\$ 455	\$ 273
3HE10543AA	PS - 7210 SAS-S Power Supply DC -48V	\$ 1,100	\$ 660
<b>7210 SAS-E/M/T/Mxp Power supplies and Accessories</b>			
3HE06339AA	ACC-7210 SAS-E/M/T Fan tray filter (10)	\$ 250	\$ 150
3HE06338AA	ACC-7210 SAS-E/M/T 23" rack mount (5)	\$ 120	\$ 72
3HE09915AA	ACC-7210 SAS-E/M/T 19" rack mount (5)	\$ 175	\$ 105
3HE05581AA	PS - 7210 SAS-M ETR -48V DC Power Supply	\$ 800	\$ 480
3HE06336AA	PS - 7210 SAS-E/M ETR +24V DC Power supply	\$ 850	\$ 510
3HE04414AA	PS - 7210 SAS E/M/T AC PS (Non ETR)	\$ 280	\$ 156
3HE04414AB	PS-7210 SAS E/M AC PS (NON-ETR) 200 Watt	\$ 399	\$ 239
3HE04415AA	PS - 7210 SAS E/M/T -48V DC PS (Non ETR)	\$ 365	\$ 219
3HE04415AB	PS-7210 SAS E/M DC PS (NON-ETR) 200 Watt	\$ 480	\$ 288
3HE05580AB	PS - 7210 SAS-M/T/Mxp ETR (200W) AC Power Supply	\$ 620	\$ 372
3HE05581AB	PS - 7210 SAS-M/T/Mxp ETR -48V (200W) DC Power Supply	\$ 775	\$ 465
3HE06336AB	PS - 7210 SAS-M/T/Mxp ETR +24V (200W) DC Power Supply	\$ 775	\$ 465
3HE04416AA	FAN - 7210 SAS E/M/T Fan Tray (Spare)	\$ 140	\$ 84
3HE08605AA	ACC - 7210 SAS E/M/T/Mxp DC-Power input connector 10 Pack	\$ 120	\$ 72
3HE09157AA	ACC - 7210 SAS-R6 DC-Power input connector 10 Pack	\$ 250	\$ 150
<b>7210 SAS-X Systems and Accessories</b>			
3HE05827AA	SYS - 7210 SAS-X 24F2XFP	\$ 22,500	\$ 13,500
3HE05170AB	SYS - 7210 SAS-X 24F2XFP AC	\$ 22,800	\$ 13,680
3HE05171AB	SYS - 7210 SAS-X 24F2XFP -48V DC	\$ 22,800	\$ 13,680
3HE05680AA	SYS - 7210 SAS-X 24F2XFP AC w NAR Power Cord	\$ 22,800	\$ 13,680
3HE05680AB	SYS - 7210 SAS-X 24F2XFP AC w UK Power Cord	\$ 22,800	\$ 13,680
3HE05680AC	SYS - 7210 SAS-X 24F2XFP AC w EUR Power Cord	\$ 720	\$ 432
3HE05172AA	PS - 7210 SAS-X AC Power Supply	\$ 720	\$ 432
3HE05173AA	PS - 7210 SAS-X -48V DC Power Supply	\$ 550	\$ 330
3HE06340AA	ACC - 7210 SAS-X Fan tray filter (5 pack)	\$ 400	\$ 240
3HE05174AA	FAN - 7210 SAS-X Fan Tray (Spare)		

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>7210 SAS-R Chassis and appliances</b>			
3HE08898AA	BNDL - 7210 SAS-R6	\$ 16,500	\$ 9,900
3HE10515AA	BNDL - 7210 SAS-R12	\$ 38,600	\$ 23,160
3HE08151AA	CHAS - 7210 SAS-R6 CHASSIS SPARE	\$ 5,000	\$ 3,000
3HE09427AA	CHAS - 7210 SAS-R12 CHASSIS SPARE	\$ 16,350	\$ 9,810
3HE08152AA	FAN - 7210 SAS-R6 Fan Tray	\$ 750	\$ 450
3HE09428AA	FAN - 7210 SAS-R12 Fan Tray	\$ 3,650	\$ 2,190
3HE08153AA	PEM - 7210 SAS-R6 -48V	\$ 675	\$ 405
3HE09429AA	PEM - 7210 SAS-R12 -48V	\$ 1,575	\$ 945
3HE08154AB	SF/CPM - 7210 SAS-R6	\$ 9,375	\$ 5,625
3HE09430AA	SF/CPM - 7210 SAS-R12	\$ 14,550	\$ 8,730
3HE08155AA	IMM - 7210 SAS-R 10SFP - 1XFP	\$ 4,250	\$ 2,550
3HE08156AA	IMM - 7210 SAS-R 10SFP	\$ 2,800	\$ 1,680
3HE08158AA	IMM - 7210 SAS-R 2XFP	\$ 3,600	\$ 2,160
3HE09152AA	IMM - 7210 SAS-R-b 10SFP - 1SFP+	\$ 4,750	\$ 2,850
3HE09153AA	IMM - 7210 SAS-R-b 2SFP+	\$ 4,250	\$ 2,550
3HE09154AA	IMM - 7210 SAS-R-b 4SFP+	\$ 4,950	\$ 2,970
3HE09155AA	IMM - 7210 SAS-R-b 11SFP/22cSFP	\$ 4,250	\$ 2,550
3HE09156AA	IMM - 7210 SAS-R-b 16TX	\$ 4,150	\$ 2,490
3HE08159AA	ACC - 7210 SAS-R IMM Impedance Panel	\$ 90	\$ 54
3HE08166AA	ACC - 7210 SAS-R6 SF/CPM Impedance Panel	\$ 120	\$ 72
3HE10441AA	ACC - 7210 SAS-R12 SF/CPM Impedance Panel	\$ 185	\$ 111
3HE08167AA	ACC - 7210 SAS-R6 PEM Impedance Panel	\$ 90	\$ 54
3HE10439AA	ACC - 7210 SAS-R12 PEM Impedance Panel	\$ 185	\$ 111
3HE08168AA	ACC - 7210 SAS-R6 Air Filter 5 pack	\$ 1,500	\$ 900
3HE09116AA	ACC - 7210 R6 ETSI Cabinet & Cable Management bracket	\$ 360	\$ 216
3HE09704AA	PS 7210 SAS-R AC Power shelve impedance panel	\$ 35	\$ 21
3HE09431AA	PS 7210 SAS-R AC Power shelve	\$ 1,250	\$ 750
3HE09432AA	PS 7210 SAS-R AC Power modules	\$ 1,800	\$ 1,080
<b>7210 SAS-R Software and software licenses</b>			
3HE08996CA	OS - 7210 SAS-R Base OS License Release 8.x, (or upgrade to 8.x)	\$ 3,500	\$ 2,100
3HE08996DA	OS - 7210 SAS-R Lic Rel-9 or upg to Rel-9	\$ 3,500	\$ 2,100
3HE08997AA	RTU - 7210 SAS-R IP Services License.	\$ 2,000	\$ 1,200
3HE08998AA	RTU - 7210 SAS-R MPLS-TP Services License.	\$ 1,500	\$ 900
3HE08999AA	RTU - 7210 SAS-R PTP/1588 & Timing Interfaces License.	\$ 1,500	\$ 900
<b>Outdoor Enclosures</b>			
3HE07278AA	7210 SAS-D Enclosure	\$ 3,405	\$ 2,043
3HE07527AA	ACC - -48VDC Power Surge Protector	\$ 1,697	\$ 1,018
3HE07528AA	ACC - +24VDC Power Surge Protection	\$ 1,882	\$ 1,129
3HE07530AA	ACC - Bracket, Ethernet Surge Protectors	\$ 263	\$ 158
3HE07531AA	ACC - Fiber Splice Tray, 12-pos	\$ 801	\$ 481
3HE07532AA	ACC - Fiber Slack Storage	\$ 208	\$ 125
3HE07533AA	ACC - Bracket, Redundant Power Supply	\$ 342	\$ 205
3HE07656AA	Rear Mounting Bracket, SAS-D Enclosure	\$ 499	\$ 299
<b>Outdoor Enclosures</b>			
3HE08280AB	ALP-7705/7210 UNIVERSAL HEX CABINET	\$ 16,779	\$ 10,067
3HE07675AB	ALP-7705/7210 CABINET BATT COMPARTMENT	\$ 2,644	\$ 1,586
3HE07677AB	ALP-7705/7210 CABINET ONLY POLE MOUNT KIT	\$ 577	\$ 346
3HE08278AA	24V TO (-48V) DC-DC 300W CONVERTER	\$ 717	\$ 430

CMG

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>CMG Instance and Capacity ASLs</b>			
3HE11386AA	ASL CMG R9.0 SW Perpetual CMG Instance	\$ 300,000	\$ 213,000
3HE11387AA	ASL CMG Throughput 1 Gbps	\$ 40,000	\$ 28,400
3HE11388AA	ASL CMG-SGW 10k MBB Subs	\$ 20,000	\$ 14,200
3HE11389AA	ASL CMG-ePDG 10k MBB Subs	\$ 20,000	\$ 14,200
3HE11390AA	ASL CMG-PGW 10k MBB Subs	\$ 40,000	\$ 28,400
3HE11391AA	ASL CMG-SGW 10k IoT Devices	\$ 4,400	\$ 3,124
3HE11392AA	ASL CMG-ePDG 10k IoT Devices	\$ 4,400	\$ 3,124
3HE11393AA	ASL CMG-PGW 10k IoT Devices	\$ 8,800	\$ 6,248
<b>General CMG ASLs</b>			
3HE11400AA	ASL CMG Real-time QoS 10k Subs	\$ 1,500	\$ 1,065
3HE11401AA	ASL CMG Geo-Redundancy 10k Subs	\$ 2,500	\$ 1,775
3HE11402AA	ASL CMG PCMD 10k Subs	\$ 1,500	\$ 1,065
3HE11403AA	ASL CMG Optimized Clot 10k Devices	\$ 1,500	\$ 1,065
<b>CMG-PGW SGI ASLs</b>			
3HE11404AA	ASL CMG Corporate VPN 25 Instances	\$ 2,500	\$ 1,775
3HE11405AA	ASL CMG IPSec Tunneling 25 Tunnels	\$ 2,500	\$ 1,775
3HE11406AA	ASL CMG NAT 10k Subs	\$ 1,965	\$ 1,395
<b>CMG-PGW AA ASLs</b>			
3HE11394AA	ASL CMG-AA ID and Control 10k Subs	\$ 5,000	\$ 3,550
3HE11395AA	ASL CMG-AA ICAP Control 10k Subs	\$ 20,000	\$ 14,200
3HE11396AA	ASL CMG-AA IBN 10k Subs	\$ 1,990	\$ 1,413
3HE11397AA	ASL CMG-AA URL Filter 10k Subs	\$ 1,990	\$ 1,413
3HE11398AA	ASL CMG-AA Stateful FW 10k Subs	\$ 7,795	\$ 5,534
3HE11399AA	ASL CMG-AA RTP Perf 10k Subs	\$ 12,500	\$ 8,875
<b>CMG Instance and Capacity ASLs</b>			
3HE11407AA	ASL CMG R9.0 SW - 12mo CMG Instance	\$ 100,000	\$ 71,000
3HE11408AA	ASL CMG Throughput 1 Gbps - 12mo	\$ 13,333	\$ 9,466
3HE11409AA	ASL CMG-SGW 10k MBB Subs - 12mo	\$ 6,667	\$ 4,734
3HE11410AA	ASL CMG-ePDG 10k MBB Subs - 12mo	\$ 6,667	\$ 4,734
3HE11411AA	ASL CMG-PGW 10k MBB Subs - 12mo	\$ 13,333	\$ 9,466
3HE11412AA	ASL CMG-SGW 10k IoT Devices - 12mo	\$ 1,467	\$ 1,042
3HE11413AA	ASL CMG-ePDG 10k IoT Devices - 12mo	\$ 1,467	\$ 1,042
3HE11414AA	ASL CMG-PGW 10k IoT Devices - 12mo	\$ 2,933	\$ 2,082
<b>General CMG ASLs</b>			
3HE11421AA	ASL CMG Real-time QoS 10k Subs - 12mo	\$ 500	\$ 355
3HE11422AA	ASL CMG Sess Continuity 10k Subs - 12mo	\$ 833	\$ 591
3HE11423AA	ASL CMG PCMD 10k Subs - 12mo	\$ 500	\$ 355
3HE11424AA	ASL CMG Optimized Clot 10k Devices - 12mo	\$ 500	\$ 355
<b>CMG-PGW SGI ASLs</b>			
3HE11425AA	ASL CMG Corporate VPN 25 Instances - 12mo	\$ 833	\$ 591
3HE11426AA	ASL CMG IPSec Tunneling 25 Tunnels - 12mo	\$ 833	\$ 591
3HE11427AA	ASL CMG NAT 10k Subs - 12mo	\$ 655	\$ 465
<b>CMG-PGW AA ASLs</b>			
3HE11415AA	ASL CMG-AA ID and Control 10k Subs - 12mo	\$ 1,667	\$ 1,184
3HE11416AA	ASL CMG-AA ICAP Control 10k Subs - 12mo	\$ 6,667	\$ 4,734
3HE11417AA	ASL CMG-AA IBN 10k Subs - 12mo	\$ 663	\$ 471
3HE11418AA	ASL CMG-AA URL Filter 10k Subs - 12mo	\$ 663	\$ 471
3HE11419AA	ASL CMG-AA Stateful FW 10k Subs - 12mo	\$ 2,598	\$ 1,845
3HE11420AA	ASL CMG-AA RTP Perf 10k Subs - 12mo	\$ 4,167	\$ 2,959
<b>CMU</b>			
<b>NDCHW0100</b>			
3HE11575AA	OS - Compact Mobility Unit R1.0 Bundle	\$ 50,000	\$ 35,500
3HE11348AA	ASL CMU 1k Subscribers	\$ 10,000	\$ 7,100
3HE11349AA	ASL CMU 5k Subscribers	\$ 28,000	\$ 19,880
3HE11350AA	ASL CMU 10k Subscribers	\$ 55,000	\$ 39,050
<b>CMM</b>			
<b>CMM Instance and Capacity ASLs</b>			
3HE11604AA	ASL CMM 17 Perpetual CMM Instance	\$ 300,000	\$ 213,000
3HE11605AA	ASL CMM-MME 10k MBB Subs	\$ 25,000	\$ 17,750
3HE11606AA	ASL CMM-SGSN 10k MBB Subs	\$ 11,500	\$ 8,165
3HE11607AA	ASL CMM-MME 10k IoT Devices	\$ 5,000	\$ 3,550
3HE11608AA	ASL CMM-SGSN 10k IoT Devices	\$ 2,200	\$ 1,562
3HE11609AA	ASL CMM 2G-3G Throughput 10 Mbps	\$ 990	\$ 703
3HE11610AA	ASL CMM RoSA 1M BH Messages	\$ 2,000	\$ 1,420
<b>General CMM ASLs</b>			
3HE11618AA	ASL CMM Session Restore 10k Subs	\$ 4,590	\$ 3,259
3HE11611AA	ASL CMM PCMD-Traffic 10k Subs	\$ 4,440	\$ 3,152
3HE11621AA	ASL CMM Control Roaming 10k Subs	\$ 990	\$ 703
<b>Internet of Things CMM ASLs</b>			
3HE11614AA	ASL CMM Optimized Clot 10k Devices	\$ 990	\$ 703
<b>Service Enabling CMM ASLs</b>			
3HE11613AA	ASL CMM VoLTE 10k Subs	\$ 1,140	\$ 809
3HE11615AA	ASL CMM eMBMS 10k Subs	\$ 2,820	\$ 2,002
3HE11619AA	ASL CMM Location Svcs 10k Subs	\$ 3,960	\$ 2,812
3HE11616AA	ASL CMM Network Share 10k Subs	\$ 960	\$ 682
3HE11620AA	ASL CMM Pub Safety Svcs 10k Subs	\$ 1,050	\$ 746

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>Service Control CMM ASLs</b>			
3HE11612AA	ASL CMM Smart Paging 10k Subs	\$ 870	\$ 618
3HE11617AA	ASL CMM UE Load Balance 10k Subs	\$ 1,110	\$ 788
<b>CMM Instance and Capacity ASLs</b>			
3HE11622AA	ASL CMM NS17 - 1 Year CMM Instance	\$ 100,000	\$ 71,000
3HE11623AA	ASL CMM-MME 10k MBB Subs -12 mo	\$ 8,333	\$ 5,916
3HE11624AA	ASL CMM-SGSN 10k MBB Subs -12 mo	\$ 3,833	\$ 2,721
3HE11625AA	ASL CMM-MME 10k IoT Devices -12 mo	\$ 1,667	\$ 1,184
3HE11626AA	ASL CMM-SGSN 10k IoT Devices -12 mo	\$ 733	\$ 520
3HE11627AA	ASL CMM 2G/3G Throughput 10 Mbps -12 mo	\$ 330	\$ 234
3HE11628AA	ASL CMM RoSA 1M BH Transactions -12 mo	\$ 667	\$ 474
<b>General CMM ASLs</b>			
3HE11636AA	ASL CMM Session Restore 10k Subs -12 mo	\$ 1,530	\$ 1,086
3HE11629AA	ASL CMM PCMD/Traffic 10k Subs -12 mo	\$ 1,480	\$ 1,051
3HE11639AA	ASL CMM Control Roaming 10k Subs -12 mo	\$ 330	\$ 234
<b>Internet of Things CMM ASLs</b>			
3HE11632AA	ASL CMM Optimized Clot 10k Devices -12 mo	\$ 330	\$ 234
<b>Service Enabling CMM ASLs</b>			
3HE11631AA	ASL CMM VoLTE 10k Subs -12 mo	\$ 380	\$ 270
3HE11633AA	ASL CMM eMBMS 10k Subs -12 mo	\$ 940	\$ 667
3HE11637AA	ASL CMM Location Svcs 10k Subs -12 mo	\$ 1,320	\$ 937
3HE11634AA	ASL CMM Network Share 10k Subs -12 mo	\$ 320	\$ 227
3HE11638AA	ASL CMM Pub Safety Services 10k Subs -12 mo	\$ 350	\$ 249
<b>Service Control CMM ASLs</b>			
3HE11630AA	ASL CMM Smart Paging 10k Subs -12 mo	\$ 870	\$ 618
<b>Nuage</b>			
<b>Management Applications Licenses</b>			
3HE08287DA	VSD RTU	\$ 44,995	\$ 36,446
3HE09434DA	VSD Cluster RTU	\$ 67,995	\$ 55,076
3HE08289DA	VSC 1+1 RTU	\$ 19,995	\$ 16,196
3HE08287CC	VSD R3.2 RTU	\$ 44,995	\$ 36,446
3HE09434CC	VSD R3.2 Cluster RTU	\$ 67,995	\$ 55,076
3HE08289CC	VSC R3.2 1+1 RTU	\$ 19,995	\$ 16,196
<b>Compute Management Integration Licenses</b>			
3HE08290DA	VMware Integration RTU	\$ 19,995	\$ 16,196
<b>Virtual Routing and Switching Gateway (VRS-G) Licenses</b>			
3HE09546DA	VRS-G-10G RTU	\$ 4,895	\$ 3,965
3HE09495DA	VRS-G-40G RTU	\$ 16,995	\$ 13,766
<b>Virtual Routing and Switching ESXi (VRS-E) Licenses</b>			
3HE09540DA	VRS-E-10G RTU	\$ 4,895	\$ 3,965
3HE09469DA	VRS-E-40G RTU	\$ 16,995	\$ 13,766
<b>Virtual Routing and Switching KVM (VRS-K) Licenses</b>			
3HE09542DA	VRS-K-10G RTU	\$ 4,895	\$ 3,965
3HE09479DA	VRS-K-40G RTU	\$ 16,995	\$ 13,766
<b>Virtual Routing and Switching Hyper-V (VRS-H) Licenses</b>			
3HE10778DA	VRS-H-10G RTU	\$ 4,895	\$ 3,965
3HE10783DA	VRS-H-40G RTU	\$ 16,995	\$ 13,766
<b>Virtual Routing and Switching Bare Metal (VRS-B) Licenses</b>			
3HE11355DA	VRS-B-Linux-10G RTU	\$ 4,895	\$ 3,965
3HE11358DA	VRS-B-Linux-40G RTU	\$ 16,995	\$ 13,766
<b>Virtualized Services Directory (VSD) and Virtualized Services Controller (VSC) Subscriptions</b>			
3HE08281AA	VSD RTU Subscription	\$ 17,995	\$ 14,576
3HE09435AA	VSD Cluster RTU Subscription	\$ 26,995	\$ 21,866
3HE08283AA	VSC 1+1 RTU Subscription	\$ 7,995	\$ 6,476
<b>Compute Management Integration Subscriptions</b>			
3HE08284AA	VMware Integration RTU Subscription	\$ 5,995	\$ 4,856
<b>Virtual Routing and Switching Gateway (VRS-G) Subscriptions</b>			
3HE09547AA	S-VRS-G-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE09496AA	S-VRS-G-40G RTU Subscription	\$ 6,895	\$ 5,585
<b>Virtual Routing and Switching ESXi (VRS-E) Subscriptions</b>			
3HE09541AA	S-VRS-E-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE09474AA	S-VRS-E-40G RTU Subscription	\$ 6,895	\$ 5,585
<b>Virtual Routing and Switching KVM (VRS-K) Subscriptions</b>			
3HE09543AA	S-VRS-K-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE09484AA	S-VRS-K-40G RTU Subscription	\$ 6,895	\$ 5,585
<b>Virtual Routing and Switching Hyper-V (VRS-H) Subscriptions</b>			
3HE10860DA	S-VRS-H-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE10865DA	S-VRS-H-40G RTU Subscription	\$ 6,895	\$ 5,585
<b>Virtual Routing and Switching KVM (VRS-B) Subscriptions</b>			
3HE11357DA	S-VRS-B-Linux-10G RTU Subscription	\$ 1,995	\$ 1,616
3HE11358DA	S-VRS-B-Linux-40G RTU Subscription	\$ 6,795	\$ 5,504
<b>Nuage 7850 Datacenter Switch/Router Bundles</b>			
3HE08595AA	BNDL-7850 VSG AC-AC - F-R	\$ 71,995	\$ 58,316
3HE08595BA	BNDL-7850 VSG AC-AC - R-F	\$ 71,995	\$ 58,316
3HE08596AA	BNDL-7850 VSG DC-DC - F-R	\$ 72,995	\$ 59,126
3HE08596BA	BNDL-7850 VSG DC-DC - R-F	\$ 72,995	\$ 59,126
3HE08597AA	BNDL-7850 VSA AC-AC - F-R	\$ 89,995	\$ 72,896

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE08597BA	BNDL-7850 VSA AC-AC - R-F	\$ 89,995	\$ 72,896
3HE08598AA	BNDL-7850 VSA DC-DC - F-R	\$ 90,995	\$ 73,706
3HE08598BA	BNDL-7850 VSA DC-DC - R-F	\$ 90,995	\$ 73,706
<b>Nuage 7850 VSG/VSA Software Licenses</b>			
3HE08695DA	OS - 7850 VSG/VSA R4.0 OS LICENSE	\$ 4,995	\$ 4,046
3HE08695CC	OS - 7850 VSG/VSA R3.2 OS LICENSE	\$ 4,995	\$ 4,046
3HE08696CC	fdVS-B-10G R3.2 RTU	\$ 1,595	\$ 1,292
3HE09461CC	fdVRS-B-10G R3.2 RTU	\$ 595	\$ 482
3HE08697CC	fdVS-B-40G R3.2 RTU	\$ 6,395	\$ 5,180
3HE09462CC	fdVRS-B-40G R3.2 RTU	\$ 2,395	\$ 1,940
3HE08698AA	OS - 7850 VSG Linux RTU	\$ 2,995	\$ 2,426
<b>Nuage VSP 3rd Party Gateway Software Licenses</b>			
3HE11370DA	VTEP-10G RTU	\$ 8,995	\$ 7,286
3HE11371DA	VTEP-40G RTU	\$ 22,485	\$ 18,213
3HE11372DA	S-VTEP-10G RTU Subscription	\$ 3,595	\$ 2,912
3HE11373DA	S-VTEP-40G RTU Subscription	\$ 8,995	\$ 7,286
<b>SFP+ Cables (Direct Attach)</b>			
3HE08587AA	CBL - SFP+-SFP+ DAC 1m - 4PACK	\$ 600	\$ 486
3HE08588AA	CBL - SFP+-SFP+ DAC 3m - 4PACK	\$ 840	\$ 680
3HE08589AA	CBL - SFP+-SFP+ DAC 7m - 4PACK	\$ 1,200	\$ 972
<b>QSFP+ Cables (Direct Attach)</b>			
3HE08590AA	CBL - QSFP+-QSFP+ DAC 1m - 4PACK	\$ 1,800	\$ 1,458
3HE08591AA	CBL - QSFP+-QSFP+ DAC 3m - 4PACK	\$ 2,200	\$ 1,782
3HE08592AA	CBL - QSFP+-QSFP+ DAC 7m - 4PACK	\$ 2,600	\$ 2,106
<b>QSFP+ to SFP+ Splitter Cables (Direct Attach)</b>			
3HE08593AA	CBL - QSFP+-4xSFP+ Splitter 1m - 4PACK	\$ 1,600	\$ 1,296
3HE08594AA	CBL - QSFP+-4xSFP+ Splitter 3m - 4PACK	\$ 2,400	\$ 1,944
<b>Nuage 7850 VSG/VSA Spares</b>			
3HE08489AA	CHAS - 7850 VSG Chassis	\$ 69,995	\$ 56,696
3HE08490AA	CHAS - 7850 VSA Chassis	\$ 86,995	\$ 70,466
3HE08491AA	PS - 7850 VSG   VSA AC 850W - F-R	\$ 850	\$ 689
3HE08492AA	PS - 7850 VSG   VSA DC 850W - F-R	\$ 1,350	\$ 1,094
3HE08493AA	PS - 7850 VSG   VSA AC 850W - R-F	\$ 850	\$ 689
3HE08494AA	PS - 7850 VSG   VSA DC 850W - R-F	\$ 1,350	\$ 1,094
3HE08495AA	FAN - 7850 VSG   VSA Fan Tray - F-R	\$ 300	\$ 243
3HE08496AA	FAN - 7850 VSG   VSA Fan Tray - R-F	\$ 300	\$ 243
<b>NSG-C Appliance</b>			
3HE11203AA	SYS-7850 NSG-C 3T AC	\$ 795	\$ 644
3HE11204AA	CBL - AC PWR CBL NSG-C 110V USA	\$ 30	\$ 24
3HE11204AC	CBL - AC PWR CBL NSG-C EUR	\$ 30	\$ 24
3HE11204AD	CBL - AC PWR CBL NSG-C GBR	\$ 30	\$ 24
3HE11206AA	PS - 7850 NSG-C AC power supply	\$ 85	\$ 69
<b>NSG-C SW Licenses</b>			
3HE11381DA	NSG-C Base Router RTU	\$ 565	\$ 458
3HE11382DA	NSG-C VPN Router RTU	\$ 210	\$ 170
3HE11383DA	NSG-C IPsec License	\$ 195	\$ 158
3HE11384DA	NSG-C Bus Intel RTU	\$ 95	\$ 77
3HE11385DA	NSG-C Service Chaining RTU	\$ 95	\$ 77
<b>NSG-E Appliance</b>			
3HE09966AA	SYS - 7850 NSG-E 6T AC	\$ 1,275	\$ 1,033
3HE09966AB	SYS - 7850 NSG-E 6T AC	\$ 1,275	\$ 1,033
3HE10230AA	CBL - AC PWR CBL NSG-E 110V USA	\$ 30	\$ 24
3HE10230AC	CBL - AC PWR CBL NSG-E EUR	\$ 30	\$ 24
3HE10230AD	CBL - AC PWR CBL NSG-E GBR	\$ 30	\$ 24
3HE11205AA	PS - 7850 NSG-E AC power supply	\$ 85	\$ 69
<b>NSG-X Appliance</b>			
3HE10833AA	SYS - 7850 NSG-X 2SFP+ 4F 4T AC	\$ 11,995	\$ 9,716
3HE10834AA	PS - 7850 NSG-X AC 300W	\$ 425	\$ 344
<b>NSG Base Router Licenses</b>			
3HE09711DA	NSG-V Base Router RTU 100Mbps	\$ 660	\$ 535
3HE09712DA	NSG-V Base Router RTU 200Mbps	\$ 990	\$ 802
3HE09713DA	NSG-V Base Router RTU 500Mbps	\$ 1,650	\$ 1,337
3HE09714DA	NSG-V Base Router RTU 1000Mbps	\$ 3,300	\$ 2,673
3HE09715DA	NSG-V Base Router RTU 2000Mbps	\$ 9,900	\$ 8,019
3HE09716DA	NSG-V Base Router RTU 10000Mbps	\$ 11,880	\$ 9,623
<b>NSG VPN Router Licenses</b>			
3HE09717DA	NSG R4.0 VPN Router RTU 100Mbps	\$ 300	\$ 243
3HE09718DA	NSG R4.0 VPN Router RTU 200Mbps	\$ 450	\$ 365
3HE09719DA	NSG R4.0 VPN Router RTU 500Mbps	\$ 750	\$ 608
3HE09720DA	NSG R4.0 VPN Router RTU 1000Mbps	\$ 1,500	\$ 1,215
3HE09721DA	NSG R4.0 VPN Router RTU 2000Mbps	\$ 4,500	\$ 3,645
3HE09722DA	NSG R4.0 VPN Router RTU 10000Mbps	\$ 5,400	\$ 4,374

Part No	Description	Unit GLP	Unit Sell Price
<b>NSG ACL Licenses</b>			
3HE09723DA	NSG ACL RTU 100Mbps	\$ 55	\$ 45
3HE09724DA	NSG ACL RTU 200Mbps	\$ 85	\$ 69
3HE09725DA	NSG ACL RTU 500Mbps	\$ 140	\$ 113
3HE09726DA	NSG ACL RTU 1000Mbps	\$ 275	\$ 223
3HE09727DA	NSG ACL RTU 2000Mbps	\$ 825	\$ 668
3HE09728DA	NSG ACL RTU 10000Mbps	\$ 990	\$ 802
<b>NSG NAT/PAT Licenses</b>			
3HE09729DA	NSG NAT/PAT RTU 100Mbps	\$ 85	\$ 69
3HE09730DA	NSG NAT/PAT RTU 200Mbps	\$ 125	\$ 101
3HE09731DA	NSG NAT/PAT RTU 500Mbps	\$ 210	\$ 170
3HE09732DA	NSG NAT/PAT RTU 1000Mbps	\$ 415	\$ 336
3HE09733DA	NSG NAT/PAT RTU 2000Mbps	\$ 1,240	\$ 1,004
3HE09734DA	NSG NAT/PAT RTU 10000Mbps	\$ 1,485	\$ 1,203
3HE09729CC	NSG R3.2 NAT/PAT RTU 100Mbps	\$ 85	\$ 69
3HE09730CC	NSG R3.2 NAT/PAT RTU 200Mbps	\$ 125	\$ 101
3HE09731CC	NSG R3.2 NAT/PAT RTU 500Mbps	\$ 210	\$ 170
3HE09732CC	NSG R3.2 NAT/PAT RTU 1000Mbps	\$ 415	\$ 336
3HE09733CC	NSG R3.2 NAT/PAT RTU 2000Mbps	\$ 1,240	\$ 1,004
3HE09734CC	NSG R3.2 NAT/PAT RTU 10000Mbps	\$ 1,485	\$ 1,203
<b>NSG IPsec Licenses</b>			
3HE10871DA	NSG IPsec RTU 100Mbps	\$ 275	\$ 223
3HE10872DA	NSG IPsec RTU 200Mbps	\$ 415	\$ 336
3HE10873DA	NSG IPsec RTU 500Mbps	\$ 690	\$ 559
3HE10875DA	NSG IPsec RTU 1000Mbps	\$ 1,375	\$ 1,114
3HE10876DA	NSG IPsec RTU 2000Mbps	\$ 4,125	\$ 3,341
3HE10874DA	NSG IPsec RTU 10000Mbps	\$ 4,950	\$ 4,010
<b>NSG Border Router Licenses</b>			
3HE11367AA	NSG R4.0 Border Router RTU 1Gbps	\$ 14,495	\$ 11,741
3HE11368AA	NSG R4.0 Border Router RTU 2Gbps	\$ 17,295	\$ 14,009
3HE11369AA	NSG R4.0 Border Router RTU 10Gbps	\$ 51,995	\$ 42,116
<b>NSG Business Intelligence Licenses</b>			
3HE09735DA	NSG Bus Intel RTU 100Mbps	\$ 140	\$ 113
3HE09736DA	NSG Bus Intel RTU 200Mbps	\$ 210	\$ 170
3HE09737DA	NSG Bus Intel RTU 500Mbps	\$ 345	\$ 279
3HE09738DA	NSG Bus Intel RTU 1000Mbps	\$ 690	\$ 559
3HE09739DA	NSG Bus Intel RTU 2000Mbps	\$ 2,065	\$ 1,673
3HE09740DA	NSG Bus Intel RTU 10000Mbps	\$ 2,475	\$ 2,005
3HE09735CC	NSG R3.2 Bus Intel RTU 100Mbps	\$ 140	\$ 113
3HE09736CC	NSG R3.2 Bus Intel RTU 200Mbps	\$ 210	\$ 170
3HE09737CC	NSG R3.2 Bus Intel RTU 500Mbps	\$ 345	\$ 279
3HE09738CC	NSG R3.2 Bus Intel RTU 1000Mbps	\$ 690	\$ 559
3HE09739CC	NSG R3.2 Bus Intel RTU 2000Mbps	\$ 2,065	\$ 1,673
3HE09740CC	NSG R3.2 Bus Intel RTU 10000Mbps	\$ 2,475	\$ 2,005
<b>NSG Service Chaining Licenses</b>			
3HE09741DA	NSG Service Chaining RTU 100Mbps	\$ 140	\$ 113
3HE09742DA	NSG Service Chaining RTU 200Mbps	\$ 210	\$ 170
3HE09743DA	NSG Service Chaining RTU 500Mbps	\$ 345	\$ 279
3HE09744DA	NSG Service Chaining RTU 1000Mbps	\$ 690	\$ 559
3HE09745DA	NSG Service Chaining RTU 2000Mbps	\$ 2,065	\$ 1,673
3HE09746DA	NSG Service Chaining RTU 10000Mbps	\$ 2,475	\$ 2,005
<b>NSG-C SW Subscription Licenses</b>			
3HE11687DA	NSG-C Base Router RTU Subscription	\$ 232	\$ 188
3HE11688DA	NSG-C VPN Router RTU Subscription	\$ 86	\$ 70
3HE11689DA	NSG-C IPsec License Subscription	\$ 80	\$ 65
3HE11690DA	NSG-C Bus Intel RTU Subscription	\$ 39	\$ 32
3HE11691DA	NSG-C Service Chaining RTU Subscription	\$ 39	\$ 32
<b>NSG Base Router Subscription Licenses</b>			
3HE11648DA	NSG-V Base Router RTU Subscription 100Mbps	\$ 271	\$ 219
3HE11649DA	NSG-V Base Router RTU Subscription 200Mbps	\$ 406	\$ 329
3HE11650DA	NSG-V Base Router RTU Subscription 500Mbps	\$ 677	\$ 548
3HE11651DA	NSG-V Base Router RTU Subscription 1000Mbps	\$ 1,353	\$ 1,096
3HE11652DA	NSG-V Base Router RTU Subscription 2000Mbps	\$ 4,059	\$ 3,288
3HE11653DA	NSG-V Base Router RTU Subscription 10000Mbps	\$ 4,871	\$ 3,945
<b>NSG VPN Router Subscription Licenses</b>			
3HE11654DA	NSG VPN Router RTU Subscription 100Mbps	\$ 123	\$ 100
3HE11655DA	NSG VPN Router RTU Subscription 200Mbps	\$ 185	\$ 149
3HE11656DA	NSG VPN Router RTU Subscription 500Mbps	\$ 308	\$ 249
3HE11657DA	NSG VPN Router RTU Subscription 1000Mbps	\$ 615	\$ 498
3HE11658DA	NSG VPN Router RTU Subscription 2000Mbps	\$ 1,845	\$ 1,494
3HE11659DA	NSG VPN Router RTU Subscription 10000Mbps	\$ 2,214	\$ 1,793
<b>NSG ACL Subscription Licenses</b>			
3HE11692DA	NSG ACL RTU Subscription 100Mbps	\$ 23	\$ 18
3HE11693DA	NSG ACL RTU Subscription 200Mbps	\$ 35	\$ 28
3HE11694DA	NSG ACL RTU Subscription 500Mbps	\$ 57	\$ 46
3HE11695DA	NSG ACL RTU Subscription 1000Mbps	\$ 113	\$ 91



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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
3HE11696DA	NSG ACL RTU Subscription 2000Mbps	\$ 338	\$ 274
3HE11697DA	NSG ACL RTU 10000Mbps Subscription	\$ 406	\$ 329
<b>NSG NAT/PAT Subscription Licenses</b>			
3HE11660DA	NSG NAT/PAT RTU Subscription 100Mbps	\$ 35	\$ 28
3HE11661DA	NSG NAT/PAT RTU Subscription 200Mbps	\$ 51	\$ 42
3HE11662DA	NSG NAT/PAT RTU Subscription 500Mbps	\$ 86	\$ 70
3HE11663DA	NSG NAT/PAT RTU Subscription 1000Mbps	\$ 170	\$ 138
3HE11664DA	NSG NAT/PAT RTU Subscription 2000Mbps	\$ 508	\$ 412
3HE11665DA	NSG NAT/PAT RTU Subscription 10000Mbps	\$ 609	\$ 493
<b>NSG IPsec Subscription Licenses</b>			
3HE11666DA	NSG IPsec RTU Subscription 100Mbps	\$ 113	\$ 91
3HE11667DA	NSG IPsec RTU Subscription 200Mbps	\$ 170	\$ 138
3HE11668DA	NSG IPsec RTU Subscription 500Mbps	\$ 283	\$ 229
3HE11669DA	NSG IPsec RTU Subscription 1000Mbps	\$ 564	\$ 457
3HE11670DA	NSG IPsec RTU Subscription 2000Mbps	\$ 1,691	\$ 1,370
3HE11671DA	NSG IPsec RTU Subscription 10000Mbps	\$ 2,030	\$ 1,644
<b>NSG Border Router Subscription Licenses</b>			
3HE11672DA	NSG Border Router RTU Subscription 1Gbps	\$ 5,943	\$ 4,814
3HE11673DA	NSG Border Router RTU Subscription 2Gbps	\$ 7,091	\$ 5,744
3HE11674DA	NSG Border Router RTU Subscription 10Gbps	\$ 21,318	\$ 17,268
<b>NSG Business Intelligence Subscription Licenses</b>			
3HE11675DA	NSG Bus Intel RTU Subscription 100Mbps	\$ 57	\$ 46
3HE11676DA	NSG Bus Intel RTU Subscription 200Mbps	\$ 86	\$ 70
3HE11677DA	NSG Bus Intel RTU Subscription 500Mbps	\$ 141	\$ 115
3HE11678DA	NSG Bus Intel RTU Subscription 1000Mbps	\$ 283	\$ 229
3HE11679DA	NSG Bus Intel RTU Subscription 2000Mbps	\$ 847	\$ 686
3HE11680DA	NSG Bus Intel RTU Subscription 10000Mbps	\$ 1,015	\$ 822
<b>NSG Service Chaining Subscription Licenses</b>			
3HE11681DA	NSG Service Chaining RTU Subscription 100Mbps	\$ 57	\$ 46
3HE11682DA	NSG Service Chaining RTU Subscription 200Mbps	\$ 86	\$ 70
3HE11683DA	NSG Service Chaining RTU Subscription 500Mbps	\$ 141	\$ 115
3HE11684DA	NSG Service Chaining RTU Subscription 1000Mbps	\$ 283	\$ 229
3HE11685DA	NSG Service Chaining RTU Subscription 2000Mbps	\$ 847	\$ 686
3HE11686DA	NSG Service Chaining RTU Subscription 10000Mbps	\$ 1,015	\$ 822
<b>Virtualized Security Services (VSS) Licenses</b>			
3HE11557AA	VSS-L4-DataSource-VRS-10G	\$ 1,225	\$ 992
3HE11558AA	VSS-L4-DataSource-VRS-40G	\$ 4,250	\$ 3,443
3HE11561AA	VSS-L4-Security-Insights-Alerts-Act-VSD	\$ 9,990	\$ 8,092
3HE11565DA	VSS-L4-DataSource-NSG-100M	\$ 165	\$ 134
3HE11566DA	VSS-L4-DataSource-NSG-200M	\$ 250	\$ 203
3HE11567DA	VSS-L4-DataSource-NSG-500M	\$ 415	\$ 336
3HE11568DA	VSS-L4-DataSource-NSG-1G	\$ 825	\$ 668
3HE11569DA	VSS-L4-DataSource-NSG-2G	\$ 2,475	\$ 2,005
3HE11570DA	VSS-L4-DataSource-NSG-10G	\$ 2,950	\$ 2,390
<b>Virtualized Security Services (VSS) Subscriptions</b>			
3HE11559AA	S-VSS-L4-DataSource-VRS-10G Subscription	\$ 490	\$ 397
3HE11560AA	S-VSS-L4-DataSource-VRS-40G Subscription	\$ 1,700	\$ 1,377
3HE11562AA	S-VSS-L4-Security-Insights-Alerts-Action-VSD Subscription	\$ 5,995	\$ 4,856
3HE11642DA	VSS-L4-DataSource-NSG-100M Subscription	\$ 68	\$ 55
3HE11643DA	VSS-L4-DataSource-NSG-200M Subscription	\$ 103	\$ 83
3HE11644DA	VSS-L4-DataSource-NSG-500M Subscription	\$ 170	\$ 138
3HE11645DA	VSS-L4-DataSource-NSG-1G Subscription	\$ 338	\$ 274
3HE11646DA	VSS-L4-DataSource-NSG-2G Subscription	\$ 1,015	\$ 822
3HE11647DA	VSS-L4-DataSource-NSG-10G Subscription	\$ 1,210	\$ 980
<b>Deepfield Network Intelligence</b>			

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**IP ROUTERS**

Part No	Description	Unit GLP	Unit Sell Price
<b>Deepfield Core Platform Licenses</b>			
3HE11816AA	DEEPFIELD CORE PER RTR (<100) PERP	\$ 19,600	\$ 15,876
3HE11817AA	DEEPFIELD CORE PER RTR (>100) PERP	\$ 11,200	\$ 9,072
3HE11818AA	DEEPFIELD CORE PER RTR (>=200) PERP	\$ 5,600	\$ 4,536
3HE11819AA	DEEPFIELD CORE PER RTR (<100) 3YRTRM	\$ 19,600	\$ 15,876
3HE11820AA	DEEPFIELD CORE PER RTR (>100) 3YRTRM	\$ 11,200	\$ 9,072
3HE11821AA	DEEPFIELD SING PER RTR (>=200) 3YRTRM	\$ 5,600	\$ 4,536
3HE11822AA	DEEPFIELD CORE PER RTR (<100) 1YRHOST	\$ 7,840	\$ 6,350
3HE11823AA	DEEPFIELD CORE PER RTR (>100) 1YRHOST	\$ 4,480	\$ 3,629
3HE11824AA	DEEPFIELD CORE PER RTR (>=200) 1YRHOST	\$ 2,240	\$ 1,814
<b>Deepfield Cloud Intelligence Licenses</b>			
3HE11826AA	DEEPFIELD CI PER GBPS (50GB-250GB) PERP	\$ 1,157	\$ 938
3HE11827AA	DEEPFIELD CI PER GBPS (251GB-1000GB) PERP	\$ 661	\$ 536
3HE11828AA	DEEPFIELD CI PER GBPS (1001GB-5000GB) PERP	\$ 165	\$ 134
3HE11829AA	DEEPFIELD CI PER GBPS (>5000GB) PERP	\$ 71	\$ 57
3HE11830AA	DEEPFIELD CI PER GBPS (50GB-250GB) 3YRTRM	\$ 1,029	\$ 833
3HE11831AA	DEEPFIELD CI PER GBPS (251GB-1000GB) 3YRTRM	\$ 588	\$ 476
3HE11832AA	DEEPFIELD CI PER GBPS (1001GB-5000GB) 3YRTRM	\$ 147	\$ 119
3HE11833AA	DEEPFIELD CI PER GBPS (>5000GB) 3YRTRM	\$ 63	\$ 51
3HE11834AA	DEEPFIELD CI PER GBPS (50GB-250GB) 1YRHOST	\$ 463	\$ 375
3HE11835AA	DEEPFIELD CI PER GBPS (251GB-1000GB) 1YRHOST	\$ 265	\$ 214
3HE11836AA	DEEPFIELD CI PER GBPS (1001GB-5000GB) 1YRHOST	\$ 66	\$ 54
3HE11837AA	DEEPFIELD CI PER GBPS (>5000GB) 1YRHOST	\$ 28	\$ 23
<b>Deepfield Genome Licenses</b>			
3HE11839AA	DEEPFIELD INTERNET GENOME-PERP	\$ 210,000	\$ 170,100
3HE11840AA	DEEPFIELD INTERNET GENOME-3YRTRM	\$ 186,690	\$ 151,219
3HE11841AA	DEEPFIELD INTERNET GENOME-1YRHOST	\$ 84,000	\$ 68,040
<b>Deepfield Defender</b>			
3HE11842AA	DEEPFIELD DEFENDER PER RTR W/BGP-PERP	\$ 23,590	\$ 19,108
3HE11843AA	DEEPFIELD DEFENDER PER RTR W/BGP-3YRTRM	\$ 20,972	\$ 16,987
3HE11844AA	DEEPFIELD DEFENDER PER RTR W/BGP-1YRHOST	\$ 9,436	\$ 7,643
3HE11845AA	DEEPFIELD DEFENDER PER RTR W/O/BGP-PERP	\$ 3,990	\$ 3,232
3HE11846AA	DEEPFIELD DEFENDER PER RTR W/O/BGP-3YRTRM	\$ 3,548	\$ 2,874
3HE11847AA	DEEPFIELD DEFENDER PER RTR W/O/BGP-1YRHOST	\$ 1,183	\$ 958
3HE11848AA	DEFENDER MITIGATION CONNECTOR- PERP	\$ 1,330	\$ 1,077
3HE11849AA	DEFENDER MITIGATION CONNECTOR - 3YRTRM	\$ 1,183	\$ 958
3HE11850AA	DEFENDER MITIGATION CONNECTOR-HOST	\$ 532	\$ 431
<b>Deepfield Service Intelligence</b>			
3HE11852AA	DEEPFIELD SERVI PER SUB (<1M SUBS)-PERP	\$ 1	\$ 0
3HE11853AA	DEEPFIELD SERVI PER SUB (< 5M SUBS)-PERP	\$ 0	\$ 0
3HE11854AA	DEEPFIELD SERVI PER SUB (< 10M SUBS)-PERP	\$ 0	\$ 0
3HE11855AA	DEEPFIELD SERVI PER SUB (+10M SUBS)-PERP	\$ 0	\$ 0
3HE11856AA	DEEPFIELD SERVI PER SUB (<1M SUBS)-3YRTRM	\$ 0	\$ 0
3HE11857AA	DEEPFIELD SERVI PER SUB (< 5M SUBS) -3YRTRM	\$ 0	\$ 0
3HE11858AA	DEEPFIELD SERVI PER SUB (< 10M SUBS) -3YRTRM	\$ 0	\$ 0
3HE11859AA	DEEPFIELD SERVI PER SUB (+10M SUBS) -3YRTRM	\$ 0	\$ 0
3HE11860AA	DEEPFIELD SERVI PER SUB (<1M SUBS)-1YRHOST	\$ 0	\$ 0
3HE11861AA	DEEPFIELD SERVI PER SUB (< 5M SUBS) -1YRHOST	\$ 0	\$ 0
3HE11862AA	DEEPFIELD SERVI PER SUB (< 10M SUBS) -1YRHOST	\$ 0	\$ 0
3HE11863AA	DEEPFIELD SERVI PER SUB (+10M SUBS) -1YRHOST	\$ 0	\$ 0
<b>Deepfield Subscriber Intelligence</b>			
3HE11865AA	DEEPFIELD SUBI PER SUB (<1M SUBS)-PERP	\$ 1	\$ 1
3HE11866AA	DEEPFIELD SUBI PER SUB (< 5M SUBS)-PERP	\$ 1	\$ 1
3HE11867AA	DEEPFIELD SUBI PER SUB (< 10M SUBS)-PERP	\$ 1	\$ 1
3HE11868AA	DEEPFIELD SUBI PER SUB (+10M SUBS) -PERP	\$ 1	\$ 0
3HE11869AA	DEEPFIELD SUBI PER SUB (<1M SUBS)-3YRTRM	\$ 1	\$ 1
3HE11870AA	DEEPFIELD SUBI PER SUB (< 5M SUBS)-3YRTRM	\$ 1	\$ 1
3HE11871AA	DEEPFIELD SUBI PER SUB (< 10M SUBS)-3YRTRM	\$ 0	\$ 0
3HE11872AA	DEEPFIELD SUBI PER SUB (+10M SUBS) -3YRTRM	\$ 1	\$ 0
3HE11873AA	DEEPFIELD SUBI PER SUB (<1M SUBS)-1YRHOST	\$ 0	\$ 0
3HE11874AA	DEEPFIELD SUBI PER SUB (< 5M SUBS)-1YRHOST	\$ 0	\$ 0
3HE11875AA	DEEPFIELD SUBI PER SUB (< 10M SUBS)-1YRHOST	\$ 0	\$ 0
3HE11876AA	DEEPFIELD SUBI PER SUB (+10M SUBS) -1YRHOST	\$ 0	\$ 0
<b>Deepfield Connector Licenses</b>			
3HE11878AA	DEEPFIELD RADIUS CONNECTOR LICENSE	\$ 400,000	\$ 324,000
3HE11879AA	DEEPFIELD DNS CONNECTOR LICENSE	\$ 200,000	\$ 162,000
3HE11880AA	DEEPFIELD GENERIC CONNECTOR LICENSE	\$ 200,000	\$ 162,000



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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
<b>5620 Service Aware Manager (SAM)</b>		\$ 5,000.00	\$ 3,000.00
3HE00210NA	5620 SAM R12 OPERATOR POSITION	\$ 5,000.00	\$ 3,000.00
3HE00210PA	5620 SAM R13 OPERATOR POSITION	\$ 5,000.00	\$ 2,862.27
3HE00210QA	5620 SAM R14 OPERATOR POSITION	\$ 1,900.00	\$ 1,140.00
3HE00220NA	5620 SAM-E R12 LICENSE - 7750/7710 MDA	\$ 950.00	\$ 570.00
3HE00220NB	5620 SAM-E LIC UPG- R12 - 7750/7710 MDA	\$ 1,900.00	\$ 1,140.00
3HE00220PA	5620 SAM-E R13 LICENSE - 7750/7710 MDA	\$ 950.00	\$ 570.00
3HE00220PB	5620 SAM-E LIC UPG- R13 - 7750/7710 MDA	\$ 1,100.00	\$ 660.00
3HE00323NA	5620 SAM-E R12 LICENSE -7450 Series MDA	\$ 550.00	\$ 330.00
3HE00323NB	5620 SAM-E LIC. UPG. TO R12 - 7450 Series MDA	\$ 1,100.00	\$ 660.00
3HE00323PA	5620 SAM-E R13 LICENSE -7450 Series MDA	\$ 550.00	\$ 330.00
3HE00323PB	5620 SAM-E LIC. UPG. TO R13 - 7450 MDA	\$ 50,000.00	\$ 30,000.00
3HE00407LA	5620 SAM SMALL LAB SSP WITH 3 YEAR UPG's	\$ 96,173.69	\$ 57,704.21
3HE00407LB	5620 SAM MED. LAB SSP WITH 3 YEAR UPG's	\$ 189,440.64	\$ 113,664.38
3HE00407LC	5620 SAM LARGE. LAB SSP WITH 3 YEAR UPG's	\$ 12,800.00	\$ 7,680.00
3HE00407LD	5620 SAM SMALL LAB SSP EXT. 3 YEAR UPG's	\$ 25,600.00	\$ 15,360.00
3HE00407LE	5620 SAM MED. LAB SSP EXT. 3 YEAR UPG's	\$ 51,200.00	\$ 30,720.00
3HE00407LF	5620 SAM LARGE LAB SSP EXT. 3 YEAR UPG's	\$ 30,000.00	\$ 18,000.00
3HE00660NA	5620 SAM-O R12 LICENSE	\$ 15,000.00	\$ 9,000.00
3HE00660NB	5620 SAM-O LIC. UPG. TO R12	\$ 30,000.00	\$ 18,000.00
3HE00660PA	5620 SAM-O R13 LICENSE	\$ 15,000.00	\$ 9,000.00
3HE00660PB	5620 SAM-O LIC. UPG. TO R13	\$ 6,200.00	\$ 3,720.00
3HE00756NA	5620 SAM-E/A/P R12 Lic. - 7750/7710 MDA	\$ 3,100.00	\$ 1,860.00
3HE00756NB	5620 SAM-E/A/P Lic Upg- R12-7750/10 MDA	\$ 6,200.00	\$ 3,720.00
3HE00756PA	5620 SAM-E/A/P R13 Lic. - 7750/7710 MDA	\$ 3,100.00	\$ 1,860.00
3HE00756PB	5620 SAM-E/A/P Lic Upg- R13-7750/10 MDA	\$ 3,600.00	\$ 2,160.00
3HE00757NA	5620 SAM-E/A/P R12 Lic-7450 Series MDA	\$ 1,800.00	\$ 1,080.00
3HE00757NB	5620 SAM-E/A/P Lic Upg to R12-7450 MDA	\$ 3,600.00	\$ 2,160.00
3HE00757PA	5620 SAM-E/A/P R13 Lic-7450 Series MDA	\$ 1,800.00	\$ 1,080.00
3HE00757PB	5620 SAM-E/A/P Lic Upg to R13-7450 MDA	\$ 25,000.00	\$ 15,000.00
3HE00981NA	5620 SAM R12 BASE PRODUCT	\$ 12,500.00	\$ 7,500.00
3HE00981NB	5620 SAM BASE PRODUCT UPGRADE - R12	\$ 10,000.00	\$ 6,000.00
3HE00981NC	5620 SAM WINDOWS -SOLARIS/LINUX UPG R12	\$ 25,000.00	\$ 15,000.00
3HE00981PA	5620 SAM R13 BASE PRODUCT	\$ 12,500.00	\$ 7,500.00
3HE00981PB	5620 SAM BASE PRODUCT UPGRADE - R13	\$ 10,000.00	\$ 6,000.00
3HE00981PC	5620 SAM WINDOWS to LINUX UPG R13	\$ 80,000.00	\$ 48,000.00
3HE00986NA	5620 SAM R12 REDUNDANCY LICENSE	\$ 40,000.00	\$ 24,000.00
3HE00986NB	5620 SAM REDUNDANCY LIC. UPG. TO R12	\$ 80,000.00	\$ 48,000.00
3HE00986PA	5620 SAM R13 REDUNDANCY LICENSE	\$ 40,000.00	\$ 24,000.00
3HE00986PB	5620 SAM REDUNDANCY LIC. UPG. TO R13	\$ 80,000.00	\$ 47,704.50
3HE00986QA	5620 SAM R14 REDUNDANCY LICENSE	\$ 40,000.00	\$ 23,852.25
3HE00986QB	5620 SAM R14 REDUNDANCY UPG. - R14	\$ 1,750.00	\$ 1,050.00
3HE01550NA	5620 SAM-E/A/P R12 -7710/7750SRc4/12 CMA	\$ 875.00	\$ 525.00
3HE01550NB	5620 SAM-EAP Upg R12-7710/7750SRc4/12CMA	\$ 1,750.00	\$ 1,050.00
3HE01550PA	5620 SAM-E/A/P R13 -7710/7750SRc4/12 CMA	\$ 875.00	\$ 525.00
3HE01550PB	5620 SAM-EAP Upg R13-7710/7750SRc4/12CMA	\$ 536.00	\$ 321.60
3HE01552NA	5620 SAM-E R12 LIC-7710 CMA/7750 SRc4/12	\$ 268.00	\$ 160.80
3HE01552NB	5620 SAM-E UPG R12-7710/7750 SRc4/12 CMA	\$ 536.00	\$ 321.60
3HE01552PA	5620 SAM-E R13 LIC-7710 CMA/7750 SRc4/12	\$ 268.00	\$ 160.80
3HE01552PB	5620 SAM-E UPG R13-7710/7750 SRc4/12 CMA	\$ 100.00	\$ 60.00
3HE02023NA	5620 SAM-E/A/P R12 License -GNE	\$ 50.00	\$ 30.00
3HE02023NB	5620 SAM-E/A/P R12 License Upg -GNE	\$ 100.00	\$ 60.00
3HE02023PA	5620 SAM-E/A/P R13 License -GNE	\$ 50.00	\$ 30.00
3HE02023PB	5620 SAM-E/A/P R13 License Upg -GNE	\$ 2,475.00	\$ 1,485.00
3HE03603NA	5620 SAM-E/A/P R12 LICENSE - 7705 SAR-8	\$ 1,237.50	\$ 742.50
3HE03603NB	5620 SAM-E/A/P LIC UPG - R12-7705 SAR-8	\$ 2,475.00	\$ 1,485.00
3HE03603PA	5620 SAM-E/A/P R13 LICENSE - 7705 SAR-8	\$ 1,237.50	\$ 742.50
3HE03603PB	5620 SAM-E/A/P LIC UPG - R13-7705 SAR-8	\$ 827.00	\$ 496.20
3HE03604NA	5620 SAM-E R12 LICENSE - 7705 SAR-8	\$ 413.50	\$ 248.10
3HE03604NB	5620 SAM-E LIC UPG - R12-7705 SAR-8	\$ 827.00	\$ 496.20
3HE03604PA	5620 SAM-E R13 LICENSE - 7705 SAR-8	\$ 413.50	\$ 248.10
3HE03604PB	5620 SAM-E LIC UPG - R13-7705 SAR-8	\$ 425.00	\$ 255.00
3HE03605NA	5620 SAM-EAP R12 ADDL- 7705 SAR-8/18 MDA	\$ 212.50	\$ 127.50
3HE03605NB	5620 SAMEAP LIC UPG-R12 ADD-SAR-8/18 MDA	\$ 425.00	\$ 255.00
3HE03605PA	5620 SAM-EAP R13 ADDL- 7705 SAR-8/18 MDA		

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Part No	Description	Unit GLP	Unit Sell Price
3HE03605PB	5620 SAMEAP LIC UPG-R13 ADD-SAR-8/18 MDA	\$ 212.50	\$ 127.50
3HE03606NA	5620 SAM-E R12 ADD'L- 7705 SAR-8/18 MDA	\$ 144.00	\$ 86.40
3HE03606NB	5620 SAME LIC UPG-R12 ADD'L-SAR-8/18 MDA	\$ 72.00	\$ 43.20
3HE03606PA	5620 SAM-E R13 ADD'L- 7705 SAR-8/18 MDA	\$ 144.00	\$ 86.40
3HE03606PB	5620 SAME LIC UPG-R13 ADD'L-SAR-8/18 MDA	\$ 72.00	\$ 43.20
3HE04058NA	5620 SAM-EAP R12 LIC. OS6850/E CHASSIS	\$ 400.00	\$ 240.00
3HE04058NB	5620 SAM-EAP R12 UPG -OS6850/E CHASSIS	\$ 200.00	\$ 120.00
3HE04058PA	5620 SAM-EAP R13 LIC. OS6850/E CHASSIS	\$ 400.00	\$ 240.00
3HE04058PB	5620 SAM-EAP R13 UPG -OS6850/E CHASSIS	\$ 200.00	\$ 120.00
3HE04059NA	5620 SAM-E R12 LIC. OS6850/E CHASSIS	\$ 300.00	\$ 180.00
3HE04059NB	5620 SAM-E R12 UPG LIC - OS6850/E CHASSIS	\$ 150.00	\$ 90.00
3HE04059PA	5620 SAM-E R13 LIC. OS6850/E CHASSIS	\$ 300.00	\$ 180.00
3HE04059PB	5620 SAM-E R13 UPG LIC - OS6850/E CHASSIS	\$ 150.00	\$ 90.00
3HE04331NA	5620 SAM-E/A/P R12 7750/7710 SR PREM MDA	\$ 12,400.00	\$ 7,440.00
3HE04331NB	5620 SAM-EAP UPG R12 7750/7710 PREM. MDA	\$ 6,200.00	\$ 3,720.00
3HE04331PA	5620 SAM-E/A/P R13 7750/7710 SR PREM MDA	\$ 12,400.00	\$ 7,440.00
3HE04331PB	5620 SAM-EAP UPG R13 7750/7710 PREM. MDA	\$ 6,200.00	\$ 3,720.00
3HE04332NA	5620 SAM-E/A/P R12 7450 PREMIUM MDA	\$ 7,200.00	\$ 4,320.00
3HE04332NB	5620 SAM-EAP UPG LIC R12 7450 PREM. MDA	\$ 3,600.00	\$ 2,160.00
3HE04332PA	5620 SAM-E/A/P R13 7450 PREMIUM MDA	\$ 7,200.00	\$ 4,320.00
3HE04332PB	5620 SAM-EAP UPG LIC R13 7450 PREM. MDA	\$ 3,600.00	\$ 2,160.00
3HE04333NA	5620 SAM-E R12 7750/7710 SR PREMIUM MDA	\$ 3,800.00	\$ 2,280.00
3HE04333NB	5620 SAM-E UPG LIC R12 7750/7710 PRE MDA	\$ 1,900.00	\$ 1,140.00
3HE04333PA	5620 SAM-E R13 7750/7710 SR PREMIUM MDA	\$ 3,800.00	\$ 2,280.00
3HE04333PB	5620 SAM-E UPG LIC R13 7750/7710 PRE MDA	\$ 1,900.00	\$ 1,140.00
3HE04334NA	5620 SAM-E R12 7450 PREMIUM MDA	\$ 2,200.00	\$ 1,320.00
3HE04334NB	5620 SAM-E UPG LIC. R12 7450 PREMIUM MDA	\$ 1,100.00	\$ 660.00
3HE04334PA	5620 SAM-E R13 7450 PREMIUM MDA	\$ 2,200.00	\$ 1,320.00
3HE04334PB	5620 SAM-E UPG LIC. R13 7450 PREMIUM MDA	\$ 1,100.00	\$ 660.00
3HE04352NA	5620 SAM-E/A/P R12 LIC. OS6400 CHASSIS	\$ 250.00	\$ 150.00
3HE04352NB	5620 SAM-EAP R12 UPG LIC. OS6400 CHASSIS	\$ 125.00	\$ 75.00
3HE04352PA	5620 SAM-E/A/P R13 LIC. OS6400 CHASSIS	\$ 250.00	\$ 150.00
3HE04352PB	5620 SAM-EAP R13 UPG LIC. OS6400 CHASSIS	\$ 125.00	\$ 75.00
3HE04353NA	5620 SAM-E/A/P R12 LIC. OS6855 CHASSIS	\$ 400.00	\$ 240.00
3HE04353NB	5620 SAM-E/AP R12 UPG LIC OS6855 CHASSIS	\$ 200.00	\$ 120.00
3HE04353PA	5620 SAM-E/A/P R13 LIC. OS6855 CHASSIS	\$ 400.00	\$ 240.00
3HE04353PB	5620 SAM-E/AP R13 UPG LIC OS6855 CHASSIS	\$ 200.00	\$ 120.00
3HE04354NA	5620 SAM-E LIC - R12 - OS6400 CHASSIS	\$ 180.00	\$ 108.00
3HE04354NB	5620 SAM-E UPG. LIC. R12 -OS6400 CHASSIS	\$ 90.00	\$ 54.00
3HE04354PA	5620 SAM-E LIC - R13 - OS6400 CHASSIS	\$ 180.00	\$ 108.00
3HE04354PB	5620 SAM-E UPG. LIC. R13 -OS6400 CHASSIS	\$ 90.00	\$ 54.00
3HE04355NA	5620 SAM-E R12 LIC. OS6855 CHASSIS	\$ 300.00	\$ 180.00
3HE04355NB	5620 SAM-E R12 UPG. LIC. -OS6855 CHASSIS	\$ 150.00	\$ 90.00
3HE04355PA	5620 SAM-E R13 LIC. OS6855 CHASSIS	\$ 300.00	\$ 180.00
3HE04355PB	5620 SAM-E R13 UPG. LIC. -OS6855 CHASSIS	\$ 150.00	\$ 90.00
3HE04370NA	5620 SAM-E/A/P R12 LICENSE-7705 SAR-F	\$ 1,900.00	\$ 1,140.00
3HE04370NB	5620 SAM-EAP UPG LIC R12 LIC -7705 SAR-F	\$ 950.00	\$ 570.00
3HE04370PA	5620 SAM-E/A/P R13 LICENSE-7705 SAR-F	\$ 1,900.00	\$ 1,140.00
3HE04370PB	5620 SAM-EAP UPG LIC R13 LIC -7705 SAR-F	\$ 950.00	\$ 570.00
3HE04371NA	5620 SAM-E R12 LICENSE-7705 SAR-F	\$ 634.00	\$ 380.40
3HE04371NB	5620 SAM-E UPG LIC R12 LIC. - 7705 SAR-F	\$ 317.00	\$ 190.20
3HE04371PA	5620 SAM-E R13 LICENSE-7705 SAR-F	\$ 634.00	\$ 380.40
3HE04371PB	5620 SAM-E UPG LIC R13 LIC. - 7705 SAR-F	\$ 317.00	\$ 190.20
3HE04836NA	5620 SAM-E R12 LICENSE- 7210 SAS-E	\$ 190.00	\$ 114.00
3HE04836NB	5620 SAM-E R12 UPG LICENSE- 7210 SAS-E	\$ 95.00	\$ 57.00
3HE04836PA	5620 SAM-E R13 LICENSE- 7210 SAS-E	\$ 190.00	\$ 114.00
3HE04836PB	5620 SAM-E R13 UPG LICENSE- 7210 SAS-E	\$ 95.00	\$ 57.00
3HE04837NA	5620 SAM-E/A/P R12 LICENSE- 7210 SAS-E	\$ 380.00	\$ 228.00
3HE04837NB	5620 SAM-E/A/P R12 UPG LIC.- 7210 SAS-E	\$ 190.00	\$ 114.00
3HE04837PA	5620 SAM-E/A/P R13 LICENSE- 7210 SAS-E	\$ 380.00	\$ 228.00
3HE04837PB	5620 SAM-E/A/P R13 UPG LIC.- 7210 SAS-E	\$ 190.00	\$ 114.00
3HE04838NA	5620 SAM-E R12 LICENSE- 7210 SAS-M	\$ 310.00	\$ 186.00
3HE04838NB	5620 SAM-E R12 UPG LICENSE- 7210 SAS-M	\$ 155.00	\$ 93.00
3HE04838PA	5620 SAM-E R13 LICENSE- 7210 SAS-M	\$ 310.00	\$ 186.00
3HE04838PB	5620 SAM-E R13 UPG LICENSE- 7210 SAS-M	\$ 155.00	\$ 93.00
3HE04839NA	5620 SAM-E/A/P R12 LICENSE- 7210 SAS-M	\$ 620.00	\$ 372.00

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Part No	Description	Unit GLP	Unit Sell Price
3HE04839NB	5620 SAM-E/A/P R12 UPG LIC - 7210 SAS-M	\$ 310.00	\$ 186.00
3HE04839PA	5620 SAM-E/A/P R13 LICENSE- 7210 SAS-M	\$ 620.00	\$ 372.00
3HE04839PB	5620 SAM-E/A/P R13 UPG LIC - 7210 SAS-M	\$ 310.00	\$ 186.00
3HE04840NA	5620 SAM-E/A/P R12 LIC. - OS9-GNI CARD	\$ 500.00	\$ 300.00
3HE04840NB	5620 SAM-E/A/P R12 UPG LIC- OS9-GNI CARD	\$ 250.00	\$ 150.00
3HE04840PA	5620 SAM-E/A/P R13 LIC. - OS9-GNI CARD	\$ 500.00	\$ 300.00
3HE04840PB	5620 SAM-E/A/P R13 UPG LIC- OS9-GNI CARD	\$ 250.00	\$ 150.00
3HE04841NA	5620 SAM-E/A/P R12 LIC. - OS9-XNI CARD	\$ 900.00	\$ 540.00
3HE04841NB	5620 SAM-E/A/P R12 UPG LIC- OS9-XNI CARD	\$ 450.00	\$ 270.00
3HE04841PA	5620 SAM-E/A/P R13 LIC. - OS9-XNI CARD	\$ 900.00	\$ 540.00
3HE04841PB	5620 SAM-E/A/P R13 UPG LIC- OS9-XNI CARD	\$ 450.00	\$ 270.00
3HE04842NA	5620 SAM-E R12 LIC. - OS9-GNI CARD	\$ 150.00	\$ 90.00
3HE04842NB	5620 SAM-E R12 UPG. LIC. - OS9-GNI CARD	\$ 75.00	\$ 45.00
3HE04842PA	5620 SAM-E R13 LIC. - OS9-GNI CARD	\$ 150.00	\$ 90.00
3HE04842PB	5620 SAM-E R13 UPG. LIC. - OS9-GNI CARD	\$ 75.00	\$ 45.00
3HE04843NA	5620 SAM-E R12 LIC. - OS9-XNI CARD	\$ 270.00	\$ 162.00
3HE04843NB	5620 SAM-E R12 UPG. LIC. - OS9-XNI CARD	\$ 135.00	\$ 81.00
3HE04843PA	5620 SAM-E R13 LIC. - OS9-XNI CARD	\$ 270.00	\$ 162.00
3HE04843PB	5620 SAM-E R13 UPG. LIC. - OS9-XNI CARD	\$ 135.00	\$ 81.00
3HE04844NA	5620 SAM-E/A/P R12 LIC- 9500 MPR MSS-8	\$ 1,798.00	\$ 1,078.80
3HE04844NB	5620 SAM-E/A/P R12 UPG LIC 9500 MPR MSS8	\$ 899.00	\$ 539.40
3HE04844PA	5620 SAM-E/A/P R13 LIC- 9500 MPR MSS-8	\$ 1,798.00	\$ 1,078.80
3HE04844PB	5620 SAM-E/A/P R13 UPG LIC 9500 MPR MSS8	\$ 899.00	\$ 539.40
3HE04845NA	5620 SAM-E/A/P R12 LIC- 9500 MPR MSS-4	\$ 1,529.00	\$ 917.40
3HE04845NB	5620 SAM-E/A/P R12 UPG LIC 9500 MPR MSS4	\$ 764.50	\$ 458.70
3HE04845PA	5620 SAM-E/A/P R13 LIC- 9500 MPR MSS-4	\$ 1,529.00	\$ 917.40
3HE04845PB	5620 SAM-E/A/P R13 UPG LIC 9500 MPR MSS4	\$ 764.50	\$ 458.70
3HE05665NA	5620 SAM-EAP R12 Lic -7750 SR MG-ISM MOD	\$ 24,800.00	\$ 14,880.00
3HE05665NB	5620 SAM-E/A/P R12 UPG - 7750 SR MG-ISM	\$ 12,400.00	\$ 7,440.00
3HE05665PA	5620 SAM-EAP R13 Lic -7750 SR MG-ISM MOD	\$ 24,800.00	\$ 14,880.00
3HE05665PB	5620 SAM-E/A/P R13 UPG - 7750 SR MG-ISM	\$ 12,400.00	\$ 7,440.00
3HE05666NA	5620 SAM-E/A/P R12 Lic-9471 WMM/SRS CARD	\$ 18,600.00	\$ 11,160.00
3HE05666NB	5620 SAM-E/A/P R12 UPG LIC 9471 WMM CARD	\$ 9,300.00	\$ 5,580.00
3HE05666PA	5620 SAM-E/A/P R13 Lic-9471 WMM/SRS CARD	\$ 18,600.00	\$ 11,160.00
3HE05666PB	5620 SAM-E/A/P R13 UPG LIC 9471 WMM CARD	\$ 9,300.00	\$ 5,580.00
3HE05667NA	5620 SAM-E/A/P R12 LIC. - 5780 DSC MOD	\$ 8,060.00	\$ 4,836.00
3HE05667NB	5620 SAM-E/A/P R12 UPG LIC 5780 DSC MOD	\$ 4,020.00	\$ 2,412.00
3HE05667PA	5620 SAM-E/A/P R13 LIC. - 5780 DSC MOD	\$ 8,060.00	\$ 4,836.00
3HE05667PB	5620 SAM-E/A/P R13 UPG LIC 5780 DSC MOD	\$ 4,020.00	\$ 2,412.00
3HE05787NA	5620 SAM-E/A/P R12 LIC. OS6250 CHASSIS	\$ 90.00	\$ 54.00
3HE05787NB	5620 SAM-EAP R12 UPG. LIC OS6250 CHASSIS	\$ 45.00	\$ 27.00
3HE05787PA	5620 SAM-E/A/P R13 LIC. OS6250 CHASSIS	\$ 90.00	\$ 54.00
3HE05787PB	5620 SAM-EAP R13 UPG. LIC OS6250 CHASSIS	\$ 45.00	\$ 27.00
3HE05788NA	5620 SAM-E R12 LIC. OS6250 CHASSIS	\$ 22.50	\$ 13.50
3HE05788NB	5620 SAM-E R12 UPG. LIC. -OS6250 CHASSIS	\$ 45.00	\$ 27.00
3HE05788PA	5620 SAM-E R13 LIC. OS6250 CHASSIS	\$ 22.50	\$ 13.50
3HE05788PB	5620 SAM-E R13 UPG. LIC. -OS6250 CHASSIS	\$ 45.00	\$ 27.00
3HE05789NA	5620 SAM-E/A/P R12 - 7210 SAS-M 24F2XFP	\$ 1,300.00	\$ 780.00
3HE05789NB	5620 SAM-E/A/P R12 UP 7210 SAS-M 24F2XFP	\$ 650.00	\$ 390.00
3HE05789PA	5620 SAM-E/A/P R13 - 7210 SAS-M 24F2XFP	\$ 1,300.00	\$ 780.00
3HE05789PB	5620 SAM-E/A/P R13 UP 7210 SAS-M 24F2XFP	\$ 650.00	\$ 390.00
3HE05790NA	5620 SAM-E/A/P R12 - 7210 SAS-X 24F2XFP	\$ 2,280.00	\$ 1,368.00
3HE05790NB	5620 SAM-E/A/P R12 UP 7210 SAS-X 24F2XFP	\$ 1,140.00	\$ 684.00
3HE05790PA	5620 SAM-E/A/P R13 - 7210 SAS-X 24F2XFP	\$ 2,280.00	\$ 1,368.00
3HE05790PB	5620 SAM-E/A/P R13 UP 7210 SAS-X 24F2XFP	\$ 1,140.00	\$ 684.00
3HE05791NA	5620 SAM-E/A/P R12 7210 SAS MDA Module	\$ 350.00	\$ 210.00
3HE05791NB	5620 SAM-E/A/P R12 UPG 7210 SAS MDA MOD	\$ 175.00	\$ 105.00
3HE05791PA	5620 SAM-E/A/P R13 7210 SAS MDA MODULE	\$ 350.00	\$ 210.00
3HE05791PB	5620 SAM-E/A/P R13 UPG 7210 SAS MDA MOD	\$ 175.00	\$ 105.00
3HE05792NA	5620 SAM-E R12 LIC - 7210 SAS-M 24F2XFP	\$ 650.00	\$ 390.00
3HE05792NB	5620 SAM-E R12 UP LIC 7210 SAS-M 24F2XFP	\$ 325.00	\$ 195.00
3HE05792PA	5620 SAM-E R13 LIC - 7210 SAS-M 24F2XFP	\$ 650.00	\$ 390.00
3HE05792PB	5620 SAM-E R13 UP LIC 7210 SAS-M 24F2XFP	\$ 325.00	\$ 195.00
3HE05793NA	5620 SAM-E R12 LIC - 7210 SAS-X 24F2XFP	\$ 1,140.00	\$ 684.00
3HE05793NB	5620 SAM-E R12 UPG - 7210 SAS-X 24F2XFP	\$ 570.00	\$ 342.00
3HE05793PA	5620 SAM-E R13 LIC - 7210 SAS-X 24F2XFP	\$ 1,140.00	\$ 684.00

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Part No	Description	Unit GLP	Unit Sell Price
3HE05793PB	5620 SAM-E R13 UPG - 7210 SAS-X 24F2XFP	\$ 570.00	\$ 342.00
3HE05794NA	5620 SAM-E R12 7210 SAS MDA MODULE	\$ 175.00	\$ 105.00
3HE05794NB	5620 SAM-E R12 UPG LIC 7210 SAS MDA MOD	\$ 87.50	\$ 52.50
3HE05794PA	5620 SAM-E R13 7210 SAS MDA MODULE	\$ 175.00	\$ 105.00
3HE05794PB	5620 SAM-E R13 UPG LIC 7210 SAS MDA MOD	\$ 87.50	\$ 52.50
3HE06184NA	5620 SAM-E/A/P R12 LIC WLS MACRO CELL	\$ 645.00	\$ 387.00
3HE06184NB	5620 SAM-EAP R12 UPG. LIC WLS MACRO CELL	\$ 322.50	\$ 193.50
3HE06184PA	5620 SAM-E/A/P R13 LIC WLS MACRO CELL	\$ 285.00	\$ 153.29
3HE06184PB	5620 SAM-EAP R13 UPG. LIC WLS MACRO CELL	\$ 142.50	\$ 76.65
3HE06452NA	5620 SAM-E/A/P R12 LIC 1830 OT =<10Gbps	\$ 1,620.00	\$ 972.00
3HE06452NB	5620 SAM-E/A/P R12 UPG 1830 OT =<10Gbps	\$ 810.00	\$ 486.00
3HE06452PA	5620 SAM-E/A/P R13 LIC 1830 OT =<10Gbps	\$ 1,620.00	\$ 972.00
3HE06452PB	5620 SAM-E/A/P R13 UPG 1830 OT =<10Gbps	\$ 810.00	\$ 486.00
3HE06453NA	5620 SAM-E/A/P R12 LIC 1830 OT 40 Gbps	\$ 6,480.00	\$ 3,888.00
3HE06453NB	5620 SAM-E/A/P R12 UPG 1830 OT 40 Gbps	\$ 3,240.00	\$ 1,944.00
3HE06453PA	5620 SAM-E/A/P R13 LIC 1830 OT 40 Gbps	\$ 6,480.00	\$ 3,888.00
3HE06453PB	5620 SAM-E/A/P R13 UPG 1830 OT 40 Gbps	\$ 3,240.00	\$ 1,944.00
3HE06454NA	5620 SAM-E/A/P R12 LIC 1830 OT 100Gbps	\$ 16,200.00	\$ 9,720.00
3HE06454NB	5620 SAM-E/A/P R12 UPG 1830 OT 100Gbps	\$ 8,100.00	\$ 4,860.00
3HE06454PA	5620 SAM-E/A/P R13 LIC 1830 OT 100Gbps	\$ 16,200.00	\$ 9,720.00
3HE06454PB	5620 SAM-E/A/P R13 UPG 1830 OT 100Gbps	\$ 8,100.00	\$ 4,860.00
3HE06455NA	5620 SAM-E/A/P R12 1830 WSS 44 CHANNELS	\$ 2,700.00	\$ 1,620.00
3HE06455NB	5620 SAM-E/A/P R12 UPG 1830 WSS 44 CHAN	\$ 1,350.00	\$ 810.00
3HE06455PA	5620 SAM-E/A/P R13 1830 WSS 44 CHANNELS	\$ 2,700.00	\$ 1,620.00
3HE06455PB	5620 SAM-E/A/P R13 UPG 1830 WSS 44 CHAN	\$ 1,350.00	\$ 810.00
3HE06456NA	5620 SAM-E/A/P R12 1830 WSS 88 CHANNELS	\$ 2,700.00	\$ 1,620.00
3HE06456NB	5620 SAM-E/A/P R12 UPG 1830 WSS 88 CHAN	\$ 1,350.00	\$ 810.00
3HE06456PA	5620 SAM-E/A/P R13 1830 WSS 88 CHANNELS	\$ 2,700.00	\$ 1,620.00
3HE06456PB	5620 SAM-E/A/P R13 UPG 1830 WSS 88 CHAN	\$ 1,350.00	\$ 810.00
3HE06457NA	5620 SAM-E/A/P R12 1830 LIC OPTICAL AMP	\$ 810.00	\$ 486.00
3HE06457NB	5620 SAM-E/A/P R12 UPG 1830 LIC OPT AMP	\$ 405.00	\$ 243.00
3HE06457PA	5620 SAM-E/A/P R13 1830 LIC OPTICAL AMP	\$ 810.00	\$ 486.00
3HE06457PB	5620 SAM-E/A/P R13 UPG 1830 LIC OPT AMP	\$ 405.00	\$ 243.00
3HE06458NA	5620 SAM-E/A/P R12 LIC 1830 OTHER CARD	\$ 450.00	\$ 270.00
3HE06458NB	5620 SAM-E/A/P R12 UPG 1830 OTHER CARD	\$ 225.00	\$ 135.00
3HE06458PA	5620 SAM-E/A/P R13 LIC 1830 OTHER CARD	\$ 450.00	\$ 270.00
3HE06458PB	5620 SAM-E/A/P R13 UPG 1830 OTHER CARD	\$ 225.00	\$ 135.00
3HE06538NA	5620 SAM-E/A/P R12 LIC. -1830 PSS-1	\$ 1,200.00	\$ 720.00
3HE06538NB	5620 SAM-E/A/P R12 UPG LIC 1830 PSS-1	\$ 600.00	\$ 360.00
3HE06538PA	5620 SAM-E/A/P R13 LIC. -1830 PSS-1	\$ 1,200.00	\$ 720.00
3HE06538PB	5620 SAM-E/A/P R13 UPG LIC 1830 PSS-1	\$ 600.00	\$ 360.00
3HE06548NA	5620 SAM-E/A/P R12 7210 SAS -D	\$ 175.00	\$ 105.00
3HE06548NB	5620 SAM-E/A/P R12 UPG 7210 SAS -D	\$ 87.50	\$ 52.50
3HE06548PA	5620 SAM-E/A/P R13 7210 SAS -D	\$ 175.00	\$ 105.00
3HE06548PB	5620 SAM-E/A/P R13 UPG 7210 SAS -D	\$ 87.50	\$ 52.50
3HE06549NA	5620 SAM-E R12 7210 SAS-D	\$ 87.50	\$ 52.50
3HE06549NB	5620 SAM-E R12 UPG 7210 SAS -D	\$ 43.75	\$ 26.25
3HE06549PA	5620 SAM-E R13 7210 SAS-D	\$ 87.50	\$ 52.50
3HE06549PB	5620 SAM-E R13 UPG 7210 SAS -D	\$ 43.75	\$ 26.25
3HE06550NA	5620 SAM-E/A/P R12 LICENSE -7705 SAR-18	\$ 3,600.00	\$ 2,160.00
3HE06550NB	5620 SAM-E/A/P R12 UPG. LIC 7705 SAR-18	\$ 1,800.00	\$ 1,080.00
3HE06550PA	5620 SAM-E/A/P R13 LICENSE -7705 SAR-18	\$ 3,600.00	\$ 2,160.00
3HE06550PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-18	\$ 1,800.00	\$ 1,080.00
3HE06551NA	5620 SAM-EAP R12 ADDL 7705 SAR-8/18 XMDA	\$ 2,250.00	\$ 1,350.00
3HE06551NB	5620 SAM-EAP R12 UPG 7705 SAR8/18 XMDA	\$ 1,125.00	\$ 675.00
3HE06551PA	5620 SAM-EAP R13 ADDL 7705 SAR-8/18 XMDA	\$ 2,250.00	\$ 1,350.00
3HE06551PB	5620 SAM-EAP R13 UPG 7705 SAR8/18 XMDA	\$ 1,125.00	\$ 675.00
3HE06552NA	5620 SAM-E R12 LICENSE -7705 SAR-18	\$ 1,200.00	\$ 720.00
3HE06552NB	5620 SAM-E R12 UPG. LIC 7705 SAR-18	\$ 600.00	\$ 360.00
3HE06552PA	5620 SAM-E R13 LICENSE -7705 SAR-18	\$ 1,200.00	\$ 720.00
3HE06552PB	5620 SAM-E R13 UPG. LIC 7705 SAR-18	\$ 600.00	\$ 360.00
3HE06553NA	5620 SAM-E R12 ADD'L 7705 SAR-8/18 XMDA	\$ 750.00	\$ 450.00
3HE06553NB	5620 SAM-E R12 UPG 7705 SAR8/18 XMDA	\$ 375.00	\$ 225.00
3HE06553PA	5620 SAM-E R13 ADD'L 7705 SAR-8/18 XMDA	\$ 750.00	\$ 450.00
3HE06553PB	5620 SAM-E R13 UPG 7705 SAR8/18 XMDA	\$ 375.00	\$ 225.00
3HE06809NA	5620 SAM-E/A/P R12 EAST/WEST NE	\$ 400.00	\$ 240.00

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Part No	Description	Unit GLP	Unit Sell Price
3HE06809NB	5620 SAM-E/A/P R12 UPG EAST/WEST NE	\$ 200.00	\$ 120.00
3HE06809PA	5620 SAM-E/A/P R13 EAST/WEST NE	\$ 400.00	\$ 240.00
3HE06809PB	5620 SAM-E/A/P R13 UPG EAST/WEST NE	\$ 200.00	\$ 120.00
3HE06810NA	5620 SAM-EAP R12 EAST/WEST NE BUNDLE 100	\$ 20,000.00	\$ 12,000.00
3HE06810NB	5620 SAM-EAP R12 UPG EAST/WEST NE Bundle	\$ 10,000.00	\$ 6,000.00
3HE06810PA	5620 SAM-EAP R13 EAST/WEST NE BUNDLE 100	\$ 20,000.00	\$ 12,000.00
3HE06810PB	5620 SAM-EAP R13 UPG EAST/WEST NE BUNDLE	\$ 10,000.00	\$ 6,000.00
3HE06811NA	5620 SAM-E/A/P R12 LIC. 1830 RAMAN PUMP	\$ 2,700.00	\$ 1,620.00
3HE06811NB	5620 SAM-E/A/P R12 UPG LIC. 1830 RAMAN	\$ 1,350.00	\$ 810.00
3HE06811PA	5620 SAM-E/A/P R13 LIC. 1830 RAMAN PUMP	\$ 2,700.00	\$ 1,620.00
3HE06811PB	5620 SAM-E/A/P R13 UPG LIC. 1830 RAMAN	\$ 1,350.00	\$ 810.00
3HE06889NA	5620 SAM-E/A/P R12 LIC 7705 SAR-M ASAP	\$ 1,500.00	\$ 900.00
3HE06889NB	5620 SAM-EAP R12 UPG LIC 7705 SAR-M ASAP	\$ 750.00	\$ 450.00
3HE06889PA	5620 SAM-E/A/P R13 LIC 7705 SAR-M ASAP	\$ 1,500.00	\$ 900.00
3HE06889PB	5620 SAM-EAP R13 UPG LIC 7705 SAR-M ASAP	\$ 750.00	\$ 450.00
3HE06890NA	5620 SAM-E R12 LIC 7705 SAR-M ASAP	\$ 500.00	\$ 300.00
3HE06890NB	5620 SAM-E R12 UPG LIC 7705 SAR-M ASAP	\$ 250.00	\$ 150.00
3HE06890PA	5620 SAM-E R13 LIC 7705 SAR-M ASAP	\$ 500.00	\$ 300.00
3HE06890PB	5620 SAM-E R13 UPG LIC 7705 SAR-M ASAP	\$ 250.00	\$ 150.00
3HE06891NA	5620 SAM-E/A/P R12 LIC 7705 SAR-M	\$ 1,150.00	\$ 690.00
3HE06891NB	5620 SAM-E/A/P R12 UPG LIC 7705 SAR-M	\$ 575.00	\$ 345.00
3HE06891PA	5620 SAM-E/A/P R13 LIC 7705 SAR-M	\$ 1,150.00	\$ 690.00
3HE06891PB	5620 SAM-E/A/P R13 UPG LIC 7705 SAR-M	\$ 575.00	\$ 345.00
3HE06892NA	5620 SAM-E R12 LICENSE 7705 SAR-M	\$ 383.00	\$ 229.80
3HE06892NB	5620 SAM-E R12 UPG LICENSE 7705 SAR-M	\$ 191.50	\$ 114.90
3HE06892PA	5620 SAM-E R13 LICENSE 7705 SAR-M	\$ 383.00	\$ 229.80
3HE06892PB	5620 SAM-E R13 UPG LICENSE 7705 SAR-M	\$ 191.50	\$ 114.90
3HE06904NA	5620 SAM-EAP R12 LIC. OS6900-40 CHASSIS	\$ 1,800.00	\$ 1,080.00
3HE06904NB	5620 SAM-EAP R12 UPG.- OS6900-40 CHASSIS	\$ 900.00	\$ 540.00
3HE06904PA	5620 SAM-EAP R13 LIC. OS6900-40 CHASSIS	\$ 1,800.00	\$ 1,080.00
3HE06904PB	5620 SAM-EAP R13 UPG.- OS6900-40 CHASSIS	\$ 900.00	\$ 540.00
3HE06905NA	5620 SAM-E/A/P R12 LIC. - OS10K-GNI CARD	\$ 1,600.00	\$ 960.00
3HE06905NB	5620 SAM-EAP R12 UPG LIC- OS10K-GNI CARD	\$ 800.00	\$ 480.00
3HE06905PA	5620 SAM-E/A/P R13 LIC. - OS10K-GNI CARD	\$ 1,600.00	\$ 960.00
3HE06905PB	5620 SAM-EAP R13 UPG LIC- OS10K-GNI CARD	\$ 800.00	\$ 480.00
3HE06906NA	5620 SAM-E/A/P R12 LIC. - OS10K-XNI CARD	\$ 3,600.00	\$ 2,160.00
3HE06906NB	5620 SAM-EAP R12 UPG LIC- OS10K-XNI CARD	\$ 1,800.00	\$ 1,080.00
3HE06906PA	5620 SAM-E/A/P R13 LIC. - OS10K-XNI CARD	\$ 3,600.00	\$ 2,160.00
3HE06906PB	5620 SAM-EAP R13 UPG LIC- OS10K-XNI CARD	\$ 1,800.00	\$ 1,080.00
3HE06907NA	5620 SAM-E R12 LIC. OS6900-20 CHASSIS	\$ 500.00	\$ 300.00
3HE06907NB	5620 SAM-E R12 UPG LIC-OS6900-20 CHASSIS	\$ 250.00	\$ 150.00
3HE06907PA	5620 SAM-E R13 LIC. OS6900-20 CHASSIS	\$ 500.00	\$ 300.00
3HE06907PB	5620 SAM-E R13 UPG LIC-OS6900-20 CHASSIS	\$ 250.00	\$ 150.00
3HE06908NA	5620 SAM-E R12 LIC. OS6900-40 CHASSIS	\$ 900.00	\$ 540.00
3HE06908NB	5620 SAM-E R12 UPG LIC-OS6900-40 CHASSIS	\$ 450.00	\$ 270.00
3HE06908PA	5620 SAM-E R13 LIC. OS6900-40 CHASSIS	\$ 900.00	\$ 540.00
3HE06908PB	5620 SAM-E R13 UPG LIC-OS6900-40 CHASSIS	\$ 450.00	\$ 270.00
3HE06909NA	5620 SAM-E R12 LIC. - OS10K-GNI CARD	\$ 800.00	\$ 480.00
3HE06909NB	5620 SAM-E R12 UPG. LIC.- OS10K-GNI CARD	\$ 400.00	\$ 240.00
3HE06909PA	5620 SAM-E R13 LIC. - OS10K-GNI CARD	\$ 800.00	\$ 480.00
3HE06909PB	5620 SAM-E R13 UPG. LIC.- OS10K-GNI CARD	\$ 400.00	\$ 240.00
3HE06910NA	5620 SAM-E R12 LIC. - OS10K XNI CARD	\$ 1,600.00	\$ 960.00
3HE06910NB	5620 SAM-E R12 UPG. LIC.- OS10K XNI CARD	\$ 800.00	\$ 480.00
3HE06910PA	5620 SAM-E R13 LIC. - OS10K XNI CARD	\$ 1,600.00	\$ 960.00
3HE06910PB	5620 SAM-E R13 UPG. LIC.- OS10K XNI CARD	\$ 800.00	\$ 480.00
3HE06918NA	5620 SAM-EAP R12 LIC. OS6900-20 CHASSIS	\$ 1,000.00	\$ 600.00
3HE06918NB	5620 SAM-EAP R12 UPG. -OS6900-20 CHASSIS	\$ 500.00	\$ 300.00
3HE06918PA	5620 SAM-EAP R13 LIC. OS6900-20 CHASSIS	\$ 1,000.00	\$ 600.00
3HE06918PB	5620 SAM-EAP R13 UPG. -OS6900-20 CHASSIS	\$ 500.00	\$ 300.00
3HE06922GA	5670 RAM 7.0 10K RES SUB ADV REP	#N/A	\$ 12,000.00
3HE06922GB	5670 RAM 7.0 10K UPG RES SUB ADV REP	#N/A	\$ 6,000.00
3HE06922HA	5670 RAM 7.0 10K UPG RES SUB ADV REP	\$ 20,000.00	\$ 12,000.00
3HE06922HB	5670 RAM R8.0 10K RES SUB ADV REP	\$ 10,000.00	\$ 6,000.00
3HE06922JA	5670 RAM R8.0 10K UPG RES SUB ADV REP	\$ 20,000.00	\$ 12,000.00
3HE06922JB	5670 RAM R9.0 10K RES SUB ADV REP	\$ 20,000.00	\$ 12,000.00
3HE06922JB	5670 RAM R9.0 10K UPG RES SUB ADV REP	\$ 10,000.00	\$ 6,000.00
3HE07311NA	5620 SAM-EAP R12 1830 WSS CLR 44/88 CHAN	\$ 2,700.00	\$ 1,620.00

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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
3HE0731INB	5620 SAM-EAP R12 UPG 1830 WSS 44/88 CHAN	\$ 1,350.00	\$ 810.00
3HE07311PA	5620 SAM-EAP R13 1830 WSS CLR 44/88 CHAN	\$ 2,700.00	\$ 1,620.00
3HE07311PB	5620 SAM-EAP R13 UPG 1830 WSS 44/88 CHAN	\$ 1,350.00	\$ 810.00
3HE07399NA	5620 SAM-E/A/P R12 LIC- 9500 MPRc	\$ 150.00	\$ 90.00
3HE07399NB	5620 SAM-E/A/P R12 UPG LIC- 9500 MPRc	\$ 75.00	\$ 45.00
3HE07399PA	5620 SAM-E/A/P R12 UPG LIC- 9500 MPRc	\$ 150.00	\$ 90.00
3HE07399PB	5620 SAM-E/A/P R13 UPG LIC- 9500 MPRc	\$ 75.00	\$ 45.00
3HE07400NA	5620 SAM-E R12 LIC- 9500 MPR MSS-8	\$ 475.00	\$ 285.00
3HE07400NB	5620 SAM-E R12 UPG LIC- 9500 MPR MSS-8	\$ 237.50	\$ 142.50
3HE07400PA	5620 SAM-E R13 LIC- 9500 MPR MSS-8	\$ 475.00	\$ 285.00
3HE07400PB	5620 SAM-E R13 UPG LIC- 9500 MPR MSS-8	\$ 237.50	\$ 142.50
3HE07401NA	5620 SAM-E R12 LIC- 9500 MPR MSS-4	\$ 400.00	\$ 240.00
3HE07401NB	5620 SAM-E R12 UPG LIC- 9500 MPR MSS-4	\$ 200.00	\$ 120.00
3HE07401PA	5620 SAM-E R13 LIC- 9500 MPR MSS-4	\$ 400.00	\$ 240.00
3HE07401PB	5620 SAM-E R13 UPG LIC- 9500 MPR MSS-4	\$ 200.00	\$ 120.00
3HE07402NA	5620 SAM-E R12 LIC- 9500 MPRc	\$ 37.50	\$ 22.50
3HE07402NB	5620 SAM-E R12 UPG LIC- 9500 MPRc	\$ 18.75	\$ 11.25
3HE07402PA	5620 SAM-E R13 LIC- 9500 MPRc	\$ 37.50	\$ 22.50
3HE07402PB	5620 SAM-E R13 UPG LIC- 9500 MPRc	\$ 18.75	\$ 11.25
3HE07421NA	5620 SAM-EAP R12 ADDL 7705 PASSIVE MDA	\$ 150.00	\$ 90.00
3HE07421NB	5620 SAM-EAP R12 UPG ADDL 7705 PASS MDA	\$ 75.00	\$ 45.00
3HE07421PA	5620 SAM-EAP R13 ADDL 7705 PASSIVE MDA	\$ 150.00	\$ 90.00
3HE07421PB	5620 SAM-EAP R13 UPG ADDL 7705 PASS MDA	\$ 75.00	\$ 45.00
3HE07422NA	5620 SAM-E R12 ADDL 7705 SAR PASSIVE MDA	\$ 50.00	\$ 30.00
3HE07422NB	5620 SAM-E R12 UPG ADD 7705 SAR PASS MDA	\$ 25.00	\$ 15.00
3HE07422PA	5620 SAM-E R13 ADDL 7705 SAR PASSIVE MDA	\$ 50.00	\$ 30.00
3HE07422PB	5620 SAM-E R13 UPG ADD 7705 SAR PASS MDA	\$ 25.00	\$ 15.00
3HE07423NA	5620 SAM-E/A/P R12 LICENSE - XMA	\$ 6,750.00	\$ 4,050.00
3HE07423NB	5620 SAM-E/A/P R12 UPG. LICENSE - XMA	\$ 3,375.00	\$ 2,025.00
3HE07423PA	5620 SAM-E/A/P R13 LICENSE - XMA	\$ 6,750.00	\$ 4,050.00
3HE07423PB	5620 SAM-E/A/P R13 UPG. LICENSE - XMA	\$ 3,375.00	\$ 2,025.00
3HE07439NA	5620 SAM-E R12 LICENSE - XMA	\$ 2,250.00	\$ 1,350.00
3HE07439NB	5620 SAM-E R12 UPG. LICENSE - XMA	\$ 1,125.00	\$ 675.00
3HE07439PA	5620 SAM-E R13 LICENSE - XMA	\$ 2,250.00	\$ 1,350.00
3HE07439PB	5620 SAM-E R13 UPG. LICENSE - XMA	\$ 1,125.00	\$ 675.00
3HE07523NA	5620 SAM-EAP R12 LIC. OS6450-10 CHASSIS	\$ 90.00	\$ 54.00
3HE07523NB	5620 SAM-EAP R12 UPG LIC OS6450-10 CHAS.	\$ 45.00	\$ 27.00
3HE07523PA	5620 SAM-EAP R13 LIC. OS6450-10 CHASSIS	\$ 90.00	\$ 54.00
3HE07523PB	5620 SAM-EAP R13 UPG LIC OS6450-10 CHAS.	\$ 45.00	\$ 27.00
3HE07524NA	5620 SAM-E R12 LIC. - OS6450-10 CHASSIS	\$ 65.00	\$ 39.00
3HE07524NB	5620 SAM-E R12 UPG LIC-OS6450-10 CHASSIS	\$ 32.50	\$ 19.50
3HE07524PA	5620 SAM-E R13 LIC. - OS6450-10 CHASSIS	\$ 65.00	\$ 39.00
3HE07524PB	5620 SAM-E R13 UPG LIC-OS6450-10 CHASSIS	\$ 32.50	\$ 19.50
3HE07525NA	5620 SAM-EAP R12 LI OS6450-24/48 CHASSIS	\$ 220.00	\$ 132.00
3HE07525NB	5620 SAM-EAP R12 UPG OS6450-24/48 CHASSI	\$ 110.00	\$ 66.00
3HE07525PA	5620 SAM-EAP R13 LI OS6450-24/48 CHASSIS	\$ 220.00	\$ 132.00
3HE07525PB	5620 SAM-EAP R13 UPG OS6450-24/48 CHASSI	\$ 110.00	\$ 66.00
3HE07526NA	5620 SAM-E R12 LIC- OS6450-24/48 CHASSIS	\$ 165.00	\$ 99.00
3HE07526NB	5620 SAM-E R12 UPG -OS6450-24/48 CHASSIS	\$ 82.50	\$ 49.50
3HE07526PA	5620 SAM-E R13 LIC- OS6450-24/48 CHASSIS	\$ 165.00	\$ 99.00
3HE07526PB	5620 SAM-E R13 UPG -OS6450-24/48 CHASSIS	\$ 82.50	\$ 49.50
3HE07790NA	5620 SAM-E/A/P R12 LIC- 9500 MPR MSS-1	\$ 450.00	\$ 270.00
3HE07790NB	5620 SAM-E/A/P R12UPG LIC 9500 MPR MSS-1	\$ 225.00	\$ 135.00
3HE07790PA	5620 SAM-E/A/P R13 LIC- 9500 MPR MSS-1	\$ 450.00	\$ 270.00
3HE07790PB	5620 SAM-E/A/P R13UPG LIC 9500 MPR MSS-1	\$ 225.00	\$ 135.00
3HE07791NA	5620 SAM-E R12 LIC- 9500 MPR MSS-1	\$ 112.50	\$ 67.50
3HE07791NB	5620 SAM-E R12 UPG LIC- 9500 MPR MSS-1	\$ 56.25	\$ 33.75
3HE07791PA	5620 SAM-E R13 LIC- 9500 MPR MSS-1	\$ 112.50	\$ 67.50
3HE07791PB	5620 SAM-E R13 UPG LIC- 9500 MPR MSS-1	\$ 56.25	\$ 33.75
3HE08128NA	5620 SAM R12 - ADD'L ONE CPU CORE LIC.	\$ 7,500.00	\$ 4,500.00
3HE08128NB	5620 SAM R12- ADD'L ONE CPU CORE LIC UPG	\$ 3,750.00	\$ 2,250.00
3HE08128PA	5620 SAM - ADD'L DB CPU/vCPU LIC.	\$ 7,500.00	\$ 4,500.00
3HE08128PB	5620 SAM R13- ADD'L DB CPU/vCPU UPG LIC	\$ 3,750.00	\$ 2,250.00
3HE08202NA	5620 SAM-E/A/P R12 LIC 7705 SAR-A	\$ 1,150.00	\$ 690.00
3HE08202NB	5620 SAM-E/A/P R12 UPG. LIC 7705 SAR-A	\$ 575.00	\$ 345.00
3HE08202PA	5620 SAM-E/A/P R13 LIC 7705 SAR-A	\$ 1,150.00	\$ 690.00



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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
		\$ 575.00	\$ 345.00
3HE08202PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-A	\$ 1,500.00	\$ 900.00
3HE08203NA	5620 SAM-E/A/P R12 LIC 7705 SAR-A wT1/E1	\$ 750.00	\$ 450.00
3HE08203NB	5620 SAM-E/A/P R12 UPG LIC 7705 SAR-A wT1/E1	\$ 1,500.00	\$ 900.00
3HE08203PA	5620 SAM-E/A/P R13 LIC 7705 SAR-A wT1/E1	\$ 750.00	\$ 450.00
3HE08203PB	5620 SAM-E/A/P R13 UPG 7705 SAR-A wT1/E1	\$ 1,650.00	\$ 990.00
3HE08204NA	5620 SAM-E/A/P R12 LIC 7705 SAR-H	\$ 825.00	\$ 495.00
3HE08204NB	5620 SAM-E/A/P R12 UPG. LIC 7705 SAR-H	\$ 1,650.00	\$ 990.00
3HE08204PA	5620 SAM-E/A/P R13 LIC 7705 SAR-H	\$ 825.00	\$ 495.00
3HE08204PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-H	\$ 1,300.00	\$ 780.00
3HE08205NA	5620 SAM-E/A/P R12 LIC 7705 SAR-W	\$ 650.00	\$ 390.00
3HE08205NB	5620 SAM-E/A/P R12 UPG. LIC 7705 SAR-W	\$ 1,300.00	\$ 780.00
3HE08205PA	5620 SAM-E/A/P R13 LIC 7705 SAR-W	\$ 650.00	\$ 390.00
3HE08205PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-W	\$ 383.00	\$ 229.80
3HE08206NA	5620 SAM-E R12 LIC 7705 SAR-A	\$ 191.50	\$ 114.90
3HE08206NB	5620 SAM-E R12 UPG. LIC 7705 SAR-A	\$ 383.00	\$ 229.80
3HE08206PA	5620 SAM-E R13 LIC 7705 SAR-A	\$ 191.50	\$ 114.90
3HE08206PB	5620 SAM-E R13 UPG. LIC 7705 SAR-A	\$ 500.00	\$ 300.00
3HE08207NA	5620 SAM-E R12 LIC 7705 SAR-A w T1/E1	\$ 250.00	\$ 150.00
3HE08207NB	5620 SAM-E R12 UPG LIC 7705 SAR-A T1/E1	\$ 500.00	\$ 300.00
3HE08207PA	5620 SAM-E R13 LIC 7705 SAR-A w T1/E1	\$ 250.00	\$ 150.00
3HE08207PB	5620 SAM-E R13 UPG LIC 7705 SAR-A T1/E1	\$ 500.00	\$ 300.00
3HE08208NA	5620 SAM-E R12 LIC 7705 SAR-H	\$ 250.00	\$ 150.00
3HE08208NB	5620 SAM-E R12 UPG. LIC 7705 SAR-H	\$ 500.00	\$ 300.00
3HE08208PA	5620 SAM-E R13 LIC 7705 SAR-H	\$ 250.00	\$ 150.00
3HE08208PB	5620 SAM-E R13 UPG. LIC 7705 SAR-H	\$ 450.00	\$ 270.00
3HE08209NA	5620 SAM-E R12 LIC 7705 SAR-W	\$ 225.00	\$ 135.00
3HE08209NB	5620 SAM-E R12 UPG. LIC 7705 SAR-W	\$ 450.00	\$ 270.00
3HE08209PA	5620 SAM-E R13 LIC 7705 SAR-W	\$ 225.00	\$ 135.00
3HE08209PB	5620 SAM-E R13 UPG. LIC 7705 SAR-W	\$ 3,600.00	\$ 2,160.00
3HE08210NA	5620 SAM-E/A/P R12 LIC. - OS10K-QNI CARD	\$ 1,800.00	\$ 1,080.00
3HE08210NB	5620 SAM-EAP R12 UPG LIC- OS10K-QNI CARD	\$ 3,600.00	\$ 2,160.00
3HE08210PA	5620 SAM-E/A/P R13 LIC. - OS10K-QNI CARD	\$ 1,800.00	\$ 1,080.00
3HE08210PB	5620 SAM-EAP R13 UPG LIC- OS10K-QNI CARD	\$ 1,600.00	\$ 960.00
3HE08211NA	5620 SAM-E R12 LIC. - OS10K-QNI CARD	\$ 800.00	\$ 480.00
3HE08211NB	5620 SAM-E R12 UPG. LIC. -OS10K-QNI CARD	\$ 1,600.00	\$ 960.00
3HE08211PA	5620 SAM-E R13 LIC. - OS10K-QNI CARD	\$ 800.00	\$ 480.00
3HE08211PB	5620 SAM-E R13 UPG. LIC. -OS10K-QNI CARD	\$ 270.00	\$ 162.00
3HE08212NA	5620 SAM-E/A/P R12 LIC. 1830 OT STM1	\$ 135.00	\$ 81.00
3HE08212NB	5620 SAM-E/A/P R12 UPG. LIC 1830 OT STM1	\$ 270.00	\$ 162.00
3HE08212PA	5620 SAM-E/A/P R13 LIC. 1830 OT STM1	\$ 135.00	\$ 81.00
3HE08212PB	5620 SAM-E/A/P R13 UPG. LIC 1830 OT STM1	\$ 150.00	\$ 90.00
3HE08370NA	5620 SAM-E/A/P R12 7210 SAS CWDM SHELF	\$ 75.00	\$ 45.00
3HE08370NB	5620 SAM-EAP R12 UPG 7210 SAS CWDM SHELF	\$ 150.00	\$ 90.00
3HE08370PA	5620 SAM-EAP R13 7210SAS CWDM/DWDM SHELF	\$ 75.00	\$ 45.00
3HE08370PB	5620 SAM-EAP R13 UPG 7210 SAS CWDM/DWDM	\$ 75.00	\$ 45.00
3HE08371NA	5620 SAM-E R12 7210 SAS CWDM SHELF	\$ 37.50	\$ 22.50
3HE08371NB	5620 SAM-E R12 UPG. 7210 SAS CWDM SHELF	\$ 75.00	\$ 45.00
3HE08371PA	5620 SAM-E R13 7210 SAS CWDM/DWDM SHELF	\$ 37.50	\$ 22.50
3HE08371PB	5620 SAM-E R13 UPG. 7210 SAS CWDM/DWDM	\$ 600.00	\$ 360.00
3HE08372NA	5620 SAM-E/A/P R12 7210 SAS-T 12F10T4XFP	\$ 300.00	\$ 180.00
3HE08372NB	5620 SAM-EAP R12 UP 7210SAS-T 12F10T4XFP	\$ 600.00	\$ 360.00
3HE08372PA	5620 SAM-E/A/P R13 7210 SAS-T 12F10T4XFP	\$ 300.00	\$ 180.00
3HE08372PB	5620 SAM-EAP R13 UP 7210SAS-T 12F10T4XFP	\$ 300.00	\$ 180.00
3HE08373NA	5620 SAM-E R12 7210 SAS-T 12F10T4XFP	\$ 150.00	\$ 90.00
3HE08373NB	5620 SAM-E R12 UPG 7210 SAS-T 12F10T4XFP	\$ 300.00	\$ 180.00
3HE08373PA	5620 SAM-E R13 7210 SAS-T 12F10T4XFP	\$ 150.00	\$ 90.00
3HE08373PB	5620 SAM-E R13 UPG 7210 SAS-T 12F10T4XFP	\$ 1,080.00	\$ 648.00
3HE08398NA	5620 SAM-E/A/P R12 LIC 1830 CLIENT/LINE	\$ 540.00	\$ 324.00
3HE08398NB	5620 SAM-EAP R12 UPG LI 1830 CLIENT/LINE	\$ 1,080.00	\$ 648.00
3HE08398PA	5620 SAM-E/A/P R13 LIC 1830 CLIENT/LINE	\$ 540.00	\$ 324.00
3HE08398PB	5620 SAM-EAP R13 UPG LI 1830 CLIENT/LINE	\$ 825.00	\$ 495.00
3HE08449NA	5620 SAM-E/A/P R12 LIC 7705 SAR-Hc	\$ 825.00	\$ 495.00
3HE08449PA	5620 SAM-E/A/P R13 LIC 7705 SAR-Hc	\$ 412.50	\$ 247.50
3HE08449PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-Hc	\$ 250.00	\$ 150.00
3HE08450NA	5620 SAM-E R12 LIC 7705 SAR-Hc	\$ 250.00	\$ 150.00
3HE08450PA	5620 SAM-E R13 LIC 7705 SAR-Hc	\$ 250.00	\$ 150.00

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Part No	Description	Unit GLP	Unit Sell Price
		\$ 125.00	\$ 75.00
3HE08450PB	5620 SAM-E R13 UPG. LIC 7705 SAR-Hc	\$ 25,000.00	\$ 15,000.00
3HE08619PA	VSAP R13 (SAM+CPAM NON RED) BASE	\$ 40,000.00	\$ 24,000.00
3HE08620PA	VSAP R13 SAM+CPAM REDUNDANT BASE	\$ 15,000.00	\$ 9,000.00
3HE08621PA	VSAP R13 & 5650 CPAM R8 NV OSS LIC	\$ 1,500.00	\$ 900.00
3HE08835PA	VSAP R13 TOPOLOGY - ALU EQUIV NE	\$ 750.00	\$ 450.00
3HE08836PA	VSAP R13 TOPOLOGY MGN'T - GNE LIC	\$ 1,500.00	\$ 900.00
3HE08971NA	5620 SAM-E/A/P R12 LIC 7705 SAR-Wx	\$ 1,500.00	\$ 900.00
3HE08971PA	5620 SAM-E/A/P R13 LIC 7705 SAR-Wx	\$ 750.00	\$ 450.00
3HE08971PB	5620 SAM-E/A/P R13 UPG. LIC 7705 SAR-Wx	\$ 500.00	\$ 300.00
3HE08972NA	5620 SAM-E R12 LIC 7705 SAR-Wx	\$ 500.00	\$ 300.00
3HE08972PA	5620 SAM-E R13 LIC 7705 SAR-Wx	\$ 250.00	\$ 150.00
3HE08972PB	5620 SAM-E R13 UPG. LIC 7705 SAR-Wx	\$ 2,002.00	\$ 1,201.20
3HE08973NA	5620 SAM-E/A/P R12 7210 SAS-R6		
3HE08973PA	5620 SAM-E/A/P R13 7210 SAS-R6 / R12	\$ 2,002.00	\$ 1,201.20
	NOTE- R12 Chassis will not supported until R13 r7		
3HE08973PB	5620 SAM-EAP R13 UPG LIC 7210 SAS-R6 /12	\$ 1,001.00	\$ 600.60
	NOTE- R12 Chassis will not supported until R13 r7		
3HE08974NA	5620 SAM-E R12 7210 SAS-R6	\$ 667.33	\$ 400.40
3HE08974PA	5620 SAM-E R13 LIC. 7210 SAS-R6 / R12	\$ 667.33	\$ 400.40
	NOTE- R12 Chassis will not supported until R13 r7		
3HE08974PB	5620 SAM-E R13 UPG LIC 7210 SAS-R6 / R12	\$ 333.66	\$ 200.20
	NOTE- R12 Chassis will not supported until R13 r7		
3HE09159PA	VSAP R13 VRS 10G HYPERVISOR PORT	\$ 86.00	\$ 46.43
3HE09160PA	VSAP R13 VRS 40G HYPERVISOR PORT	\$ 175.00	\$ 92.23
3HE09162PA	VSAP R13 dVS 10G L2 PORT	\$ 130.00	\$ 69.33
3HE09163PA	VSAP R13 dVRS 10G L3 PORT	\$ 175.00	\$ 92.23
3HE09283PA	VSAP R13 dVS 40G L2 PORT	\$ 515.00	\$ 277.32
3HE09284PA	VSAP R13 dVRS 40G L3 PORT	\$ 700.00	\$ 370.19
3HE09332NA	5620 SAM-EAP R12 LIC WLS METRO/ENT CELL	\$ 81.00	\$ 48.60
3HE09332PA	5620 SAM-EAP R13 LIC WLS METRO/ENT CELL	\$ 70.00	\$ 38.16
3HE09332PB	5620 SAM-EAP R13 UPG WLS METRO/ENT CELL	\$ 35.00	\$ 19.08
3HE09333NA	5620 SAM-E/A/P R12 LIC WLS HOME CELL	\$ 20.00	\$ 12.00
3HE09333PA	5620 SAM-E/A/P R13 LIC WLS HOME CELL	\$ 18.00	\$ 10.18
3HE09333PB	5620 SAM-E/A/P R13 UPG LIC WLS HOME CELL	\$ 9.00	\$ 5.09
3HE09334NA	5620 SAM-E/A/P R12 LIC WLS SC GW	\$ 18,600.00	\$ 11,160.00
3HE09334PA	5620 SAM-E/A/P R13 LIC WLS SC GW	\$ 16,000.00	\$ 8,763.63
3HE09334PB	5620 SAM-E/A/P R13 UPG. LIC WLS SC GW	\$ 8,000.00	\$ 4,381.82
3HE09593NA	5620 SAM-E/A/P R12 7750 SR-a MDA	\$ 3,200.00	\$ 1,920.00
3HE09593PA	5620 SAM-E/A/P R13 7750 SR-a MDA	\$ 3,200.00	\$ 1,920.00
3HE09593PB	5620 SAM-E/A/P R13 UPG LIC 7750 SR-a MDA	\$ 1,600.00	\$ 960.00
3HE09594NA	5620 SAM-E R12 7750 SR-a MDA	\$ 1,066.00	\$ 639.60
3HE09594PA	5620 SAM-E R13 7750 SR-a MDA	\$ 1,066.00	\$ 639.60
3HE09594PB	5620 SAM-E R13 UPG. LIC. 7750 SR-a MDA	\$ 533.00	\$ 319.80
3HE09692NA	5620 SAM-E/A/P R12 7210 SAS-K	\$ 90.00	\$ 54.00
3HE09692PA	5620 SAM-E/A/P R13 7210 SAS-K	\$ 90.00	\$ 54.00
3HE09692PB	5620 SAM-E/A/P R13 UPG. LIC. 7210 SAS-K	\$ 45.00	\$ 27.00
3HE09693NA	5620 SAM-E R12 7210 SAS-K	\$ 30.00	\$ 18.00
3HE09693PA	5620 SAM-E R13 LIC. 7210 SAS-K	\$ 30.00	\$ 18.00
3HE09693PB	5620 SAM-E R13 UPG. LIC 7210 SAS-K	\$ 15.00	\$ 9.00
3HE09955PA	5620 SAM R13 IPDR NBI	\$ 250,000.00	\$ 150,000.00
3HE09955PB	5620 SAM R13 IPDR NBI UPG	\$ 125,000.00	\$ 75,000.00
3HE09955QA	5620 SAM R14 AA ANALYTICS BASE	\$ 145,000.00	\$ 86,504.16
3HE09955QB	5620 SAM R14 AA ANALYTICS BASE UPG R14	\$ 72,500.00	\$ 43,252.08
3HE09956PA	5620 SAM R13 REDUNDANT IPDR NBI	\$ 125,000.00	\$ 75,000.00
3HE09956PB	5620 SAM R13 REDUNDANT IPDR NBI UPG	\$ 62,500.00	\$ 37,500.00
3HE09957PA	5620 SAM R13 10K AA RESIDENTIAL SUB	\$ 11,000.00	\$ 6,600.00
3HE09957PB	5620 SAM R13 10K AA UPG RESIDENTIAL SUB	\$ 5,500.00	\$ 3,300.00
3HE09957QA	5620 SAM R14 10K AA RESIDENTIAL SUBS	\$ 10,000.00	\$ 5,724.54
3HE09957QB	5620 SAM R14 10K AA RESIDENTIAL SUBS UPG R14	\$ 5,000.00	\$ 2,862.27
3HE09958PA	5670 SAM R13 10K AA MOBILE SUB	\$ 5,000.00	\$ 3,000.00
3HE09958PB	5670 SAM R13 10K AA UPG MOBILE SUB	\$ 2,500.00	\$ 1,500.00
3HE09958QA	5620 SAM R14 10K AA MOBILE SUBS	\$ 10,000.00	\$ 5,724.54



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Part No	Description	Unit GLP	Unit Sell Price
3HE09958QB	5620 SAM 10K AA MOBILE SUBS UPG.TO R14	\$ 5,000.00	\$ 2,862.27
3HE09959PA	5620 SAM R13 500 AA BUSINESS SUB	\$ 20,000.00	\$ 12,000.00
3HE09959PB	5620 SAM R13 500 AA UPG BUSINESS SUB	\$ 10,000.00	\$ 6,000.00
3HE09959QA	5620 SAM R14 500 AA BUSINESS SUBS	\$ 20,000.00	\$ 11,449.08
3HE09959QB	5620 SAM 500 AA BUSINESS SUBS UPG. R14	\$ 10,000.00	\$ 5,724.54
3HE09960PA	5620 SAM R13 PER AA-ISA REP	\$ 2,000.00	\$ 1,200.00
3HE09960PB	5620 SAM R13 PER AA-ISA REP UPG	\$ 1,000.00	\$ 600.00
3HE09961PA	5620 SAM R13 CFLOWD AUXILIARY SERVER	\$ 40,000.00	\$ 24,000.00
3HE09961PB	5620 SAM R13 CFLOWD AUXILIARY SERVER UPG	\$ 20,000.00	\$ 12,000.00
3HE10033PA	5620 SAM-E/A/P R13 LIC. NGE	\$ 400.00	\$ 240.00
3HE10034PA	5620 SAM-E/A/P R13 LIC 7705 SAR-X	\$ 2,700.00	\$ 1,620.00
3HE10035PA	5620 SAM-E R13 LIC 7705 SAR-X	\$ 900.00	\$ 540.00
3HE10036PA	5620 SAM-EAP R13 -9500 MPR MSS-O CHASSIS	\$ 250.00	\$ 150.00
3HE10037PA	5620 SAM-E R13 - 9500 MPR MSS-O CHASSIS	\$ 62.50	\$ 37.50
3HE10038PA	5620 SAM-E/A/P R13 1830 GMPLS NODE	\$ 33,000.00	\$ 19,800.00
3HE10072PA	VSAP R13 VNS CORE STANDARD / NSG	\$ 140.00	\$ 84.00
3HE10100NA	5620 SAM-EAP R12 EAST/WEST EMS BUNDLE 25	\$ 1,000.00	\$ 600.00
3HE10100PA	5620 SAM-EAP R13 EAST/WEST EMS BUNDLE 25	\$ 1,000.00	\$ 600.00
3HE10100PB	5620 SAM-EAP R13 UPG EAST/WEST BUNDLE 25	\$ 500.00	\$ 300.00
3HE10245NA	5620 SAM-E/A/P R12 LIC WLS LMG NODE	\$ 116,552.70	\$ 62,969.94
3HE10245PA	5620 SAM-E/A/P R13 LIC WLS LMG NODE	\$ 105,000.00	\$ 58,124.43
3HE10245PB	5620 SAM-E/A/P R13 UPG. LIC WLS LMG NODE	\$ 52,500.00	\$ 29,062.22
3HE10250AA	5620 SAM-E/A/P R13 VMG DISTRIBUTED VNF	\$ 36,000.00	\$ 21,600.00
3HE10251AA	5620 SAM-E/A/P R13 VMG-SGW 10K SUBS	\$ 3,000.00	\$ 1,800.00
3HE10252AA	5620 SAM-E/A/P R13 VMG-PGW 10K SUBS	\$ 6,000.00	\$ 3,600.00
3HE10253AA	5620 SAM-E/A/P R13 VMG-SGW M2M 10K SUBS	\$ 700.00	\$ 420.00
3HE10254AA	5620 SAM-E/A/P R13 VMG-PGW M2M 10K SUBS	\$ 1,350.00	\$ 810.00
3HE10255AA	5620 SAM-E/A/P R13 VMG-AA ID 10K SUBS	\$ 600.00	\$ 360.00
3HE10256AA	5620 SAM-E/A/P R13 VMG-AA ICAP 10K SUBS	\$ 12,000.00	\$ 7,200.00
3HE10257AA	5620 SAM-E/A/P R13 VMG-AA IBN 10K SUBS	\$ 1,200.00	\$ 720.00
3HE10258AA	5620 SAM-E/A/P R13 VMG-AA URL 10K SUBS	\$ 1,200.00	\$ 720.00
3HE10259AA	5620 SAM-E/A/P R13 VMG-AA FW 10K SUBS	\$ 300.00	\$ 180.00
3HE10260AA	5620 SAM-E/A/P R13 VMG-AA RTP 10K SUBS	\$ 1,200.00	\$ 720.00
3HE10261AA	5620 SAM-E/A/P R13 VMG-EPDG 10K SUBS	\$ 2,400.00	\$ 1,440.00
3HE10262AA	5620 SAM-E/A/P R13 VMM DISTRIBUTED VNF	\$ 36,000.00	\$ 21,600.00
3HE10263AA	5620 SAM-E/A/P R13 VMM-MME 10K SUBS	\$ 4,700.00	\$ 2,820.00
3HE10264AA	5620 SAM-E/A/P R13 VMM-SGSN 10K SUBS	\$ 2,150.00	\$ 1,290.00
3HE10265AA	5620 SAM-E/A/P R13 VMM-MME M2M 10K SUBS	\$ 940.00	\$ 564.00
3HE10266AA	5620 SAM-E/A/P R13 VMM-SGSN M2M 10K SUBS	\$ 430.00	\$ 258.00
3HE10330PA	5620 SAM-E/A/P R13 7210 SAS-MXP	\$ 1,300.00	\$ 780.00
3HE10331PA	5620 SAM-E R13 7210 SAS-MXP	\$ 650.00	\$ 390.00
3HE10463PA	5620 SAM R13 AUXILARY DATABASE 1 TB	\$ 13,000.00	\$ 7,800.00
3HE10463QA	5620 SAM R14 AUXILARY DATABASE 1 TB	\$ 13,000.00	\$ 7,632.72
3HE10463QB	5620 SAM AUXILARY DATABASE 1 TB UPG R14	\$ 6,500.00	\$ 3,816.36
3HE10464PA	5620 SAM-E/A/P R13 - 9500 MPR MSS-1c	\$ 150.00	\$ 90.00
3HE10465PA	5620 SAM-E R13 LIC- 9500 MPR MSS-1c	\$ 37.50	\$ 22.50
3HE10746PA	VSAP R13 40G L3 dVRS-B 3rd PARTY-VTEP PT	\$ 250.00	\$ 138.03
3HE10747PA	VSAP R13 40G L2 dVS-B 3rd PARTY-VTEP PT	\$ 685.00	\$ 369.55
3HE10748PA	VSAP R13 10G L3 dVRS-B 3rd PARTY-VTEP PT	\$ 64.00	\$ 34.35
3HE10749PA	VSAP R13 10G L2 dVS-B 3rd PARTY-VTEP PT	\$ 172.00	\$ 92.23
3HE10820QA	5620 SAM R14 BASE PRODUCT - CLASSIC	\$ 80,000.00	\$ 44,524.20
3HE10820QB	5620 SAM BASE PRODUCT - CLASSIC UPG- R14	\$ 40,000.00	\$ 22,262.10
3HE10821QA	5620 SAM R14 BASE PRODUCT - PREMIUM	\$ 160,000.00	\$ 89,048.40
3HE10821QB	5620 SAM BASE PROD. PREMIUM UPG -R14	\$ 80,000.00	\$ 44,524.20
3HE10821QC	5620 SAM R14 BASE CONV CLASSIC TO PREM.	\$ 80,000.00	\$ 44,524.20
3HE10822QA	5620 SAM R14 EXTENDED NE S/W SUPPORT	\$ 10,000.00	\$ 6,360.60
3HE10823QA	5620 SAM R14 CLASSIC SUITE LICENSE POINT	\$ 110.00	\$ 63.61
3HE10823QB	5620 SAM CLASSIC SUITE LIC POINT UPG R14	\$ 55.00	\$ 31.80
3HE10824QA	5620 SAM R14 PREMIUM SUITE LICENSE POINT	\$ 165.00	\$ 95.41
3HE10824QB	5620 SAM PREMIUM SUITE LIC POINT UPG R14	\$ 82.50	\$ 47.70
3HE10824QC	5620 SAM R14 CLASSIC TO PREMIUM LP CONV.	\$ 55.00	\$ 31.80
3HE10838AA	5620 SAM MULTI-VENDOR DRIVER DEVELOPMENT	\$ 25,000.00	\$ 15,901.50
3HE10838AB	5620 SAM MULTI-VENDOR DRIVER S/W UPGRADE	\$ 12,500.00	\$ 7,950.75
3HE10839AA	5620 SAM MULTI-VENDOR DRIVER 3 YEAR SSP	\$ 35,000.00	\$ 21,467.03
3HE10846QA	5620 SAM R14 OPTICS INTEGRATION MODULE	\$ 175,000.00	\$ 95,409.00
3HE11048QA	5620 SAM R14 CLASSIC WLS LTE LIC POINT	\$ 110.00	\$ 63.61

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Part No	Description	Unit GLP	Unit Sell Price
3HE11048QB	5620 SAM CLASSIC WLS LTE LP UPG R14	\$ 55.00	\$ 31.80
3HE11049QA	5620 SAM R14 CLASSIC WLS SC LIC POINT	\$ 110.00	\$ 63.61
3HE11049QB	5620 SAM CLASSIC WLS SC LP UPG R14	\$ 55.00	\$ 31.80
3HE11050QA	5620 SAM R14 PREMIUM WLS LTE LIC POINT	\$ 165.00	\$ 95.41
3HE11050QB	5620 SAM PREMIUM WLS LTE LP UPG R14	\$ 82.50	\$ 47.70
3HE11050QC	5620 SAM R14 CLASSIC-PREM WLS LTE LP CON	\$ 55.00	\$ 31.80
3HE11051QA	5620 SAM R14 PREMIUM WLS SC LIC POINT	\$ 165.00	\$ 95.41
3HE11051QB	5620 SAM PREMIUM WLS SC LP UPG R14	\$ 82.50	\$ 47.70
3HE11051QC	5620 SAM R14 CLASSIC-PREM WLS SC LP CONV	\$ 55.00	\$ 31.80
<b>5650 Control Plane Assurance Management &amp; 7701 CPAA (CPAM)</b>			
3HE02977HA	5650 CPAM R8.0 BASE PRODUCT	\$ 25,000.00	\$ 15,000.00
3HE02977HB	5650 CPAM R8.0 BASE PRODUCT UPGRADE	\$ 12,500.00	\$ 7,500.00
3HE02977JA	5650 CPAM R9.0 BASE PRODUCT	\$ 25,000.00	\$ 15,000.00
3HE02977JB	5650 CPAM R9.0 BASE PRODUCT UPGRADE	\$ 12,500.00	\$ 7,500.00
3HE02980HA	5650 CPAM-O R8.0 LICENSE - CPAM INSTALL	\$ 20,000.00	\$ 12,000.00
3HE02980HB	5650 CPAM-O R8.0 LICENSE UPGRADE	\$ 10,000.00	\$ 6,000.00
3HE02980JA	5650 CPAM-O R9.0 LICENSE - CPAM INSTALL	\$ 20,000.00	\$ 12,000.00
3HE02980JB	5650 CPAM-O R9.0 LICENSE UPGRADE	\$ 10,000.00	\$ 6,000.00
3HE02982HA	5650 CPAM R8.0 3P P/PE RT LIC (1-100)	\$ 3,000.00	\$ 1,800.00
3HE02982HB	5650 CPAM R8.0 3P P/PE RT LIC (101-300)	\$ 750.00	\$ 450.00
3HE02982HC	5650 CPAM R8.0 3P P/PE RT LIC (301->)	\$ 300.00	\$ 180.00
3HE02982HD	5650 CPAM R8.0 3P P/PE RT UPG LIC(1-100)	\$ 1,500.00	\$ 900.00
3HE02982HE	5650 CPAM R8.0 3P P/PE RT UPG LIC(101-300)	\$ 375.00	\$ 225.00
3HE02982HF	5650 CPAM R8.0 3P P/PE RT UPG LIC (301->)	\$ 150.00	\$ 90.00
3HE02982JA	5650 CPAM R9.0 3P P/PE RT LIC (1-100)	\$ 3,000.00	\$ 1,800.00
3HE02982JB	5650 CPAM R9.0 3P P/PE RT LIC (101-300)	\$ 750.00	\$ 450.00
3HE02982JC	5650 CPAM R9.0 3P P/PE RT LIC (301->)	\$ 300.00	\$ 180.00
3HE02982JD	5650 CPAM R9.0 3P P/PE RT UPG LIC(1-100)	\$ 1,500.00	\$ 900.00
3HE02982JE	5650 CPAM R9.0 3P P/PE RT UPG LIC(101-300)	\$ 375.00	\$ 225.00
3HE02982JF	5650 CPAM R9.0 3P P/PE RT UPG LIC (301->)	\$ 150.00	\$ 90.00
3HE02983HA	5650 CPAM R8.0 ALU P/PE RT LIC. (1-100)	\$ 4,250.00	\$ 2,550.00
3HE02983HB	5650 CPAM R8.0 ALU P/PE RT LIC (101-300)	\$ 1,075.00	\$ 645.00
3HE02983HC	5650 CPAM R8.0 ALU P/PE RT LIC. (301 >)	\$ 425.00	\$ 255.00
3HE02983HD	5650 CPAM ALU P/PE RT UPG. LIC R8(1-100)	\$ 2,125.00	\$ 1,275.00
3HE02983HE	5650 ALU P/PE RT UPG LIC R8.0 (101-300)	\$ 537.50	\$ 322.50
3HE02983HF	5650 CPAM ALU P/PE RT UPG LIC R8 (301 >)	\$ 212.50	\$ 127.50
3HE02983JA	5650 CPAM R9.0 ALU P/PE RT LIC. (1-100)	\$ 4,250.00	\$ 2,550.00
3HE02983JB	5650 CPAM R9.0 ALU P/PE RT LIC (101-300)	\$ 1,075.00	\$ 645.00
3HE02983JC	5650 CPAM R9.0 ALU P/PE RT LIC. (301 >)	\$ 425.00	\$ 255.00
3HE02983JD	5650 CPAM ALU P/PE RT UPG. LIC R9(1-100)	\$ 2,125.00	\$ 1,275.00
3HE02983JE	5650 ALU P/PE RT UPG LIC R9.0 (101-300)	\$ 537.50	\$ 322.50
3HE02983JF	5650 CPAM ALU P/PE RT UPG LIC R9 (301 >)	\$ 212.50	\$ 127.50
3HE04125HA	5650 CPAM R8.0 ALU P/PE SM RT LIC(1-100)	\$ 525.00	\$ 315.00
3HE04125HB	5650 CPAM R8.0 ALU P/PE SM RT LIC(101-300)	\$ 200.00	\$ 120.00
3HE04125HC	5650 CPAM R8.0 ALU P/PE SM RT LIC(301 >)	\$ 125.00	\$ 75.00
3HE04125HD	5650 CPAM R8.0 ALU P/PE SM RT UPG(1-100)	\$ 262.50	\$ 157.50
3HE04125HE	5650 CPAM R8.0 ALU P/PE SM RT UPG(101-300)	\$ 100.00	\$ 60.00
3HE04125HF	5650 CPAM R8.0 ALU P/PE SM RT UPG(301 >)	\$ 62.50	\$ 37.50
3HE04125JA	5650 CPAM R9.0 ALU P/PE SM RT LIC(1-100)	\$ 525.00	\$ 315.00
3HE04125JB	5650 CPAM R9.0 ALU P/PE SM RT LIC(101-300)	\$ 200.00	\$ 120.00
3HE04125JC	5650 CPAM R9.0 ALU P/PE SM RT LIC(301 >)	\$ 125.00	\$ 75.00
3HE04125JD	5650 CPAM R9.0 ALU P/PE SM RT UPG(1-100)	\$ 262.50	\$ 157.50
3HE04125JE	5650 CPAM R9.0 ALU P/PE SM RT UPG(101-300)	\$ 100.00	\$ 60.00
3HE04125JF	5650 CPAM R9.0 ALU P/PE SM RT UPG(301 >)	\$ 62.50	\$ 37.50
3HE04126HA	5650 CPAM R8.0 MULTICAST RT LIC. (1-100)	\$ 950.00	\$ 570.00
3HE04126HB	5650 CPAM R8.0 MULTICAST RT LIC(101-300)	\$ 300.00	\$ 180.00
3HE04126HC	5650 CPAM R8.0 MULTICAST RT LIC. (301 >)	\$ 150.00	\$ 90.00
3HE04126HD	5650 CPAM R8.0 MULTICAST RT UPG (1-100)	\$ 475.00	\$ 285.00
3HE04126HE	5650 CPAM R8.0 MULTICAST RT UPG(101-300)	\$ 150.00	\$ 90.00
3HE04126HF	5650 CPAM R8.0 MULTICAST RT UPG (301 >)	\$ 75.00	\$ 45.00
3HE04126JA	5650 CPAM R9.0 MULTICAST RT LIC. (1-100)	\$ 950.00	\$ 570.00
3HE04126JB	5650 CPAM R9.0 MULTICAST RT LIC(101-300)	\$ 300.00	\$ 180.00
3HE04126JC	5650 CPAM R9.0 MULTICAST RT LIC. (301 >)	\$ 150.00	\$ 90.00
3HE04126JD	5650 CPAM R9.0 MULTICAST RT UPG (1-100)	\$ 475.00	\$ 285.00
3HE04126JE	5650 CPAM R9.0 MULTICAST RT UPG(101-300)	\$ 150.00	\$ 90.00
3HE04126JF	5650 CPAM R9.0 MULTICAST RT UPG (301 >)	\$ 75.00	\$ 45.00

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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
		\$ 950.00	\$ 570.00
3HE04128HA	5650 CPAM R8.0 RCIA ROUTER LIC. (1-100)	\$ 300.00	\$ 180.00
3HE04128HB	5650 CPAM R8.0 RCIA ROUTER LIC (101-300)	\$ 150.00	\$ 90.00
3HE04128HC	5650 CPAM R8.0 RCIA ROUTER LIC. (301 >)	\$ 475.00	\$ 285.00
3HE04128HD	5650 CPAM R8.0 RCIA ROUTERUPG LI (1-100)	\$ 150.00	\$ 90.00
3HE04128HE	5650 CPAM R8.0 RCIA ROUTER UPG (101-300)	\$ 75.00	\$ 45.00
3HE04128HF	5650 CPAM R8.0 RCIA ROUTER UPG (301 >)	\$ 950.00	\$ 570.00
3HE04128JA	5650 CPAM R9.0 RCIA ROUTER LIC. (1-100)	\$ 300.00	\$ 180.00
3HE04128JB	5650 CPAM R9.0 RCIA ROUTER LIC (101-300)	\$ 150.00	\$ 90.00
3HE04128JC	5650 CPAM R9.0 RCIA ROUTER LIC. (301 >)	\$ 475.00	\$ 285.00
3HE04128JD	5650 CPAM R9.0 RCIA ROUTERUPG LI (1-100)	\$ 150.00	\$ 90.00
3HE04128JE	5650 CPAM R9.0 RCIA ROUTER UPG (101-300)	\$ 75.00	\$ 45.00
3HE04128JF	5650 CPAM R9.0 RCIA ROUTER UPG (301 >)	\$ 2,500.00	\$ 1,500.00
3HE08510HA	5650 CPAM R8.0 500 BGP ROUTE PROFILE	\$ 1,250.00	\$ 750.00
3HE08510HB	5650 CPAM R8 500 BGP ROUTE PROFILE UPG.	\$ 2,500.00	\$ 1,500.00
3HE08510JA	5650 CPAM R9.0 500 BGP ROUTE PROFILE	\$ 1,250.00	\$ 750.00
3HE08510JB	5650 CPAM R9 500 BGP ROUTE PROFILE UPG.	\$ 4,000.00	\$ 2,400.00
3HE02948HA	7701 CAAA S/W UPGRADE LICENSE TO R8.0	\$ 8,000.00	\$ 4,800.00
3HE02948HC	7701 CAAA S/W LICENSE R8.0	\$ 4,000.00	\$ 2,400.00
3HE02948JA	7701 CAAA S/W UPGRADE LICENSE TO R9.0	\$ 8,000.00	\$ 4,800.00
3HE02948JC	7701 CAAA S/W LICENSE R9.0	\$ 1,200.00	\$ 720.00
3HE0666AA	7701 CAAA REV 2 MEMORY EXPANSION 2G PKG		
<b>5670 Reporting and Analysis Manager (RAM)</b>		\$ 249,981.00	\$ 149,988.60
3HE04265HA	5670 RAM R8.0 BASE - RESIDENTIAL / MOBILE	\$ 124,990.00	\$ 74,994.00
3HE04265HB	5670 RAM R8.0 BASE UPG RESIDENTIAL/MOBILE	\$ 249,981.00	\$ 149,988.60
3HE04265JA	5670 RAM R9.0 BASE - RESIDENTIAL / MOBILE	\$ 124,990.00	\$ 74,994.00
3HE04265JB	5670 RAM R9.0 BASE UPG RESIDENTIAL/MOBILE	\$ 11,000.00	\$ 6,600.00
3HE04267HA	5670 RAM R8.0 10K RESIDENTIAL SUB	\$ 5,500.00	\$ 3,300.00
3HE04267HB	5670 RAM R8.0 10K UPG. RESIDENTIAL SUBS	\$ 11,000.00	\$ 6,600.00
3HE04267JA	5670 RAM R9.0 10K RESIDENTIAL SUB	\$ 5,500.00	\$ 3,300.00
3HE04267JB	5670 RAM R9.0 10K UPG. RESIDENTIAL SUBS	\$ 3,600.00	\$ 2,160.00
3HE04269HA	5670 RAM R8.0 ADD'L 5 RECIPIENT USERS	\$ 1,800.00	\$ 1,080.00
3HE04269HB	5670 RAM R8.0 ADDL 5 RECIPIENT USERS UPG	\$ 3,600.00	\$ 2,160.00
3HE04269JA	5670 RAM R9.0 ADD'L 5 RECIPIENT USERS	\$ 1,800.00	\$ 1,080.00
3HE04269JB	5670 RAM R9.0 ADDL 5 RECIPIENT USERS UPG	\$ 10,000.00	\$ 6,000.00
3HE04270HA	5670 RAM R8.0 ADD'L WEB ADMINISTRATOR	\$ 5,000.00	\$ 3,000.00
3HE04270HB	5670 RAM R8.0 ADD'L WEB ADMIN. - UPGRADE	\$ 10,000.00	\$ 6,000.00
3HE04270JA	5670 RAM R9.0 ADD'L WEB ADMINISTRATOR	\$ 5,000.00	\$ 3,000.00
3HE04270JB	5670 RAM R9.0 ADD'L WEB ADMIN. - UPGRADE	\$ 4,500.00	\$ 2,700.00
3HE04271HA	5670 RAM R8.0 ADD'L PROFESSIONAL AUTHOR	\$ 2,250.00	\$ 1,350.00
3HE04271HB	5670 RAM R8.0 ADD'L PROF AUTHOR -UPGRADE	\$ 4,500.00	\$ 2,700.00
3HE04271JA	5670 RAM R9.0 ADD'L PROFESSIONAL AUTHOR	\$ 2,250.00	\$ 1,350.00
3HE04271JB	5670 RAM R9.0 ADD'L PROF AUTHOR -UPGRADE	\$ 99,981.00	\$ 59,988.60
3HE04910HA	5670 RAM R8.0 REDUNDANT AGGREGATOR	\$ 49,990.00	\$ 29,994.00
3HE04910HB	5670 RAM R8.0 REDUNDANT AGGREGATOR - UPG	\$ 99,981.00	\$ 59,988.60
3HE04910JA	5670 RAM R9.0 REDUNDANT AGGREGATOR	\$ 49,990.00	\$ 29,994.00
3HE04910JB	5670 RAM R9.0 REDUNDANT AGGREGATOR - UPG	\$ 74,981.00	\$ 44,988.60
3HE04911HA	5670 RAM R8.0 2K BUSINESS SUB RPT'ING	\$ 37,490.00	\$ 22,494.00
3HE04911HB	5670 RAM R8.0 2K UPG BUSINESS SUBS RPT'G	\$ 74,981.00	\$ 44,988.60
3HE04911JA	5670 RAM R9.0 2K BUSINESS SUB RPT'ING	\$ 37,490.00	\$ 22,494.00
3HE04911JB	5670 RAM R9.0 2K UPG BUSINESS SUBS RPT'G	\$ 41,000.00	\$ 24,600.00
3HE05558HA	5670 RAM R8.0 DCP S/W LICENSE	\$ 41,000.00	\$ 24,600.00
3HE05558JA	5670 RAM R9.0 DCP S/W LICENSE	\$ 2,000.00	\$ 1,200.00
3HE05559HA	5670 RAM R8.0 ADDITIONAL DCP ISA LIC.	\$ 1,000.00	\$ 600.00
3HE05559HB	5670 RAM R8.0 ADD'L DCP ISA UPG LICENSE	\$ 2,000.00	\$ 1,200.00
3HE05559JA	5670 RAM R9.0 ADDITIONAL DCP ISA LIC.	\$ 1,000.00	\$ 600.00
3HE05559JB	5670 RAM R9.0 ADD'L DCP ISA UPG LICENSE	\$ 10,000.00	\$ 6,000.00
3HE06515HA	5670 RAM R8.0 PER AA-ISA LICENSE	\$ 5,000.00	\$ 3,000.00
3HE06515HB	5670 RAM R8.0 PER AA-ISA UPG LICENSE	\$ 10,000.00	\$ 6,000.00
3HE06515JA	5670 RAM R9.0 PER AA-ISA LICENSE	\$ 5,000.00	\$ 3,000.00
3HE06515JB	5670 RAM R9.0 PER AA-ISA UPG LICENSE	\$ 74,981.00	\$ 44,988.60
3HE06843HA	5670 RAM R8.0 2K BUSINESS SUB (OSS)	\$ 37,490.00	\$ 22,494.00
3HE06843HB	5670 RAM R8.0 2K UPG BUSINESS SUB (OSS)	\$ 74,981.00	\$ 44,988.60
3HE06843JA	5670 RAM R9.0 2K BUSINESS SUB (OSS)	\$ 37,490.00	\$ 22,494.00
3HE06843JB	5670 RAM R9.0 2K UPG BUSINESS SUB (OSS)	\$ 405,323.00	\$ 243,193.80
3HE06844HA	5670 RAM R8.0 BASE- AA-VPN / REPORTING	\$ 202,651.00	\$ 121,590.60
3HE06844HB	5670 RAM R8.0 BASE UPG- AA-VPN / RPT'ING		

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**NETWORK MANAGEMENT**

Part No	Description	Unit GLP	Unit Sell Price
3HE06844JA	5670 RAM R9.0 BASE- AA-VPN / REPORTING	\$ 405,323.00	\$ 243,193.80
3HE06844JB	5670 RAM R9.0 BASE UPG- AA-VPN / RPT'ING	\$ 202,651.00	\$ 121,590.60
3HE06845HA	5670 RAM R8.0 BASE PROD- AA - VPN / OSSI	\$ 405,323.00	\$ 243,193.80
3HE06845HB	5670 RAM R8.0 BASE UPG - AA - VPN / OSSI	\$ 202,651.00	\$ 121,590.60
3HE06845JA	5670 RAM R9.0 BASE PROD- AA - VPN / OSSI	\$ 405,323.00	\$ 243,193.80
3HE06845JB	5670 RAM R9.0 BASE UPG - AA - VPN / OSSI	\$ 202,651.00	\$ 121,590.60
3HE07374HA	5670 RAM R8.0 BASE PEERING /REPORTING	\$ 109,981.00	\$ 65,988.60
3HE07374HB	5670 RAM R8.0 BASE UPG PEERING/REPORTING	\$ 54,990.00	\$ 32,994.00
3HE07374JA	5670 RAM R9.0 BASE PEERING /REPORTING	\$ 109,981.00	\$ 65,988.60
3HE07374JB	5670 RAM R9.0 BASE UPG PEERING/REPORTING	\$ 54,990.00	\$ 32,994.00
3HE07375HA	5670 RAM R8.0 10K BLOCK MOBILE SUB	\$ 5,000.00	\$ 3,000.00
3HE07375HB	5670 RAM R8.0 10K UPG BLOCK MOBILE SUB	\$ 2,500.00	\$ 1,500.00
3HE07375JA	5670 RAM R9.0 10K BLOCK MOBILE SUB	\$ 5,000.00	\$ 3,000.00
3HE07375JB	5670 RAM R9.0 10K UPG BLOCK MOBILE SUB	\$ 2,500.00	\$ 1,500.00
3HE07376HA	5670 RAM R8.0 20 BUS SUB (PEERING PT)	\$ 65,798.00	\$ 39,478.80
3HE07376HB	5670 RAM R8.0 20 UPG BUS SUB (PEER PT)	\$ 32,899.00	\$ 19,739.40
3HE07376JA	5670 RAM R9.0 20 BUS SUB (PEERING PT)	\$ 65,798.00	\$ 39,478.80
3HE07376JB	5670 RAM R9.0 20 UPG BUS SUB (PEER PT)	\$ 32,899.00	\$ 19,739.40
3HE08525HA	5670 RAM R8.0 - ADD'L ONE CPU CORE LIC.	\$ 7,500.00	\$ 4,500.00
3HE08525HB	5670 RAM R8.0- ADDL ONE CPU CORE LIC UPG	\$ 3,750.00	\$ 2,250.00
3HE08525JA	5670 RAM R9.0 - ADD'L ONE CPU CORE LIC.	\$ 7,500.00	\$ 4,500.00
3HE08525JB	5670 RAM R9.0- ADDL ONE CPU CORE LIC UPG	\$ 3,750.00	\$ 2,250.00
3HE08694AA	5670 RAM CUSTOM REPORT DEVELOPMENT-1 DAY	\$ 1,049.00	\$ 629.40
<b>Network Services Platform (NSP)</b>			
3HE11799CA	NSP 17: NFM-P STANDARD BASE	\$ 80,000.00	\$ 48,000.00
3HE11800CA	NSP 17: NFM-P PREMIUM BASE	\$ 160,000.00	\$ 96,000.00
3HE11800CC	NSP 17: NFM-P CONVERSION STD TO PREM BASE	\$ 80,000.00	\$ 48,000.00
3HE11801CA	NSP 17: NFM-P STANDARD LP	\$ 110.00	\$ 66.00
3HE11802CA	NSP 17: NFM-P PREMIUM LP	\$ 165.00	\$ 99.00
3HE11802CC	NSP 17: NFM-P LP CONV. STD. TO PREMIUM	\$ 55.00	\$ 33.00
3HE11803CA	NSP 17: NFM-P HIGH AVAILABILITY LP	\$ 20.00	\$ 12.00
3HE11808CA	NSP: NFM-P MULTI-VENDOR DRIVER DEV.	\$ 25,000.00	\$ 15,000.00
3HE11808CB	NSP: NFM-P MULTI-VENDOR DRIVER S/W UPG.	\$ 12,500.00	\$ 7,500.00
3HE11809CA	NSP: NFM-P MULTI-VENDOR DRIVER 3 YR SRS	\$ 35,000.00	\$ 21,000.00
3HE11810CA	NSP 17: NFM-P AA ANALYTICS BASE	\$ 145,000.00	\$ 87,000.00
3HE11811CA	NSP 17: NFM-P AUXILIARY DATABASE 1 TB	\$ 13,000.00	\$ 7,800.00
3HE11812CA	NSP 17: NFM-P 10K AA RESIDENTIAL SUBS	\$ 10,000.00	\$ 6,000.00
3HE11813CA	NSP 17: NFM-P 10K AA MOBILE SUBS	\$ 10,000.00	\$ 6,000.00
3HE11814CA	NSP 17: NFM-P 500 AA BUSINESS SUBS	\$ 20,000.00	\$ 12,000.00
3HE11815CA	NSP 17: NFM-P EXTENDED NE S/W SUPPORT	\$ 10,000.00	\$ 6,000.00
1AK14288AAAB	DL380 GEN9 2 CPU 16 CORE	\$ 24,918.73	\$ 13,462.85
3KC73612AAAA	NSP NFM-T 2 CPU EMBEDDED OS ENHANCEMENT	\$ 659.29	\$ 356.19
3HE11269CA	NSP 17: NRC-F STANDARD BASE	\$ 400,000.00	\$ 240,000.00
3HE09989CA	NSP 17: NRC-P STANDARD BASE	\$ 400,000.00	\$ 240,000.00
3HE09985CA	NSP 17: NSD STANDARD BASE	\$ 600,000.00	\$ 360,000.00
3HE12275CA	NSP 17: NSD-NRC STANDARD LP	\$ 110.00	\$ 66.00
3HE12276CA	NSP 17: NSD-NRC HIGH AVAILABILITY LP	\$ 20.00	\$ 12.00
3HE11804CA	NSP 17 WIRELESS STANDARD LTE LP	\$ 110.00	\$ 66.00
3HE11805CA	NSP 17 WIRELESS PREMIUM LTE LP	\$ 165.00	\$ 99.00
3HE11805CC	NSP 17 WIRELESS STD TO PREM LTE LP CONV	\$ 55.00	\$ 33.00
3HE11806CA	NSP 17 WIRELESS STANDARD SC LP	\$ 110.00	\$ 66.00
3HE11807CA	NSP 17 WIRELESS PREMIUM SC LP	\$ 165.00	\$ 99.00
3HE11807CC	NSP 17 WIRELESS STD. TO PREM SC LP CONV	\$ 55.00	\$ 33.00
3HE12097AA	NSP VIRTUAL INSTANCE	\$ 1,000.00	\$ 600.00
<b>Virtualized Services Assurance Platform (VSAP)</b>			
3HE08619QA	VSAP R14 BASE PRODUCT LICENSE	\$ 29,000.00	\$ 17,269.03
3HE08619QB	VSAP BASE PRODUCT LICENSE UPG LIC. - R14	\$ 14,500.00	\$ 8,634.51
3HE08619QC	VSAP R14 BASE CONVERSION LICENSE	\$ 9,900.00	\$ 5,788.15
3HE08619RA	VSAP 17 BASE PRODUCT LICENSE	\$ 29,000.00	\$ 17,400.00
3HE08619RC	VSAP 17 BASE CONVERSION LICENSE	\$ 9,900.00	\$ 5,940.00
3HE08620QA	VSAP R14 REDUNDANT PRODUCT LICENSE	\$ 52,200.00	\$ 28,113.85

**NOKIA****NETWORK MANAGEMENT**

<b>Part No</b>	<b>Description</b>	<b>Unit GLP</b>	<b>Unit Sell Price</b>
3HE08620QB	VSAP REDUNDANT PRODUCT LICENSE UPG - R14	\$ 26,100.00	\$ 14,056.93
3HE08620QC	VSAP R14 REDUNDANT CONVERSION LICENSE	\$ 17,350.00	\$ 9,350.08
3HE11724QA	VSAP R14 NETWORK ELEMENT MGN'T LICENSE	\$ 1,028.00	\$ 572.45
3HE11724QB	VSAP NETWORK ELEMENT MGN'T UPG. - R14	\$ 514.00	\$ 286.23
3HE11724RA	VSAP 17 NETWORK ELEMENT MGN'T LICENSE	\$ 1,028.00	\$ 616.80
3HE11725QA	VSAP VIRTUAL ROUTING & SWITCH LIC (10GE)	\$ 350.00	\$ 190.82
3HE11725QB	VSAP VIRTUAL ROUTING & SWITCH LIC (40GE)	\$ 1,227.00	\$ 661.50
3HE12101RA	VSAP 17 VIRTUAL RT & SWITCHING NSG LIC.	\$ 110.00	\$ 66.00
3HE12102RA	VSAP 17 HIGH AVAILABILITY NE MGN'T LIC.	\$ 190.00	\$ 114.00

# NOKIA

# SERVICES

Part No	Description	Metric	Unit Price
<b>REMOTE TECHNICAL SUPPORT</b>			<b>Price per Year</b>
301013231	7750 SR SPGWwAggRtr - Remote Technical Support Gold	per unit	\$ 51,971
301013231	7750 SR - Remote Technical Support Gold	per unit	\$ 13,260
301013231	7705 SAR - Remote Technical Support Gold	per unit	\$ 725
301013231	9471 MME - Remote Technical Support Gold	per unit	\$ 33,239
301013231	7210 SAS Remote Technical Support Gold	per unit	\$ 720
301013231	7750 SR SPGWwAggRtr - Remote Technical Support Silver	per unit	\$ 49,373
301013231	7750 SR - Remote Technical Support Silver	per unit	\$ 12,597
301013231	7705 SAR - Remote Technical Support Silver	per unit	\$ 688
301013231	7210 SAS - Remote Technical Support Silver	per unit	\$ 684
301013231	7750 SR SPGWwAggRtr - Remote Technical Support Bronze	per unit	\$ 46,774
301013231	7750 SR - Remote Technical Support Bronze	per unit	\$ 11,967
301013231	7705 SAR - Remote Technical Support Bronze	per unit	\$ 652
301013231	7210 SAS - Remote Technical Support Bronze	per unit	\$ 650
<b>HARDWARE REPAIR &amp; REPLACEMENT (RES-RFR)</b>			<b>Price per Year</b>
301048468	7750 SR SPGWwAggRtr - (RES-RFR)	per unit	\$ 5,788
301048468	7750 SR	per unit	See Note 12 below
301048468	7705 SAR - (RES-RFR)	per unit	\$ 910
301048468	7210 SAS - (RES-AE)	per unit	\$ 720
<b>HARDWARE REPAIR &amp; REPLACEMENT - ADVANCED EXCHANGE (RES-AE)</b>			<b>Price per Year</b>
301048450	7750 SR SPGWwAggRtr - (RES-AE)	per unit	\$ 6,588
301048468	7750 SR	per unit	See Note 12 below
301048450	7705 SAR - (RES-AE)	per unit	\$ 1,001
301048450	7210 SAS - (RES-AE)	per unit	\$ 864
<b>SOFTWARE SUBSCRIPTION PLANS</b>			<b>Price per Year</b>
3HE01807AB	7750 SR SPGWwAggRtr - Software Subscription Plan	per unit	\$ 24,666
301048468	7750 SR	per unit	\$ 2,800
3HE05610AB	7705 SAR - Software Subscription Plan	per unit	\$ 503
3HE00407XZ	5620 SAM - Software Subscription (Annual price beginning in Year 1)	per Unit	\$ 8,087
3HE00407XZ	5620 SAM - Software Subscription - Additional Node license	See Note 3 below	See Note 3 below
<b>INSTALLATION AND IMPLEMENTATION</b>			
3HE01605AA	Program Management - Remote	per hour	\$ 196
3HE01600AA	Site Survey - OnSite	per site	\$ 2,100
3HE01606AA	Engineering - Remote	per hour	\$ 175
3HE01601AA	Installation - OnSite	per hour	\$ 183
3HE07794AA	Integration - OnSite	per hour	\$ 305
301071387	Site Materials	priced per specific site	
<b>RESIDENT ENGINEER</b>			
3HE06254AA	ONSITE SUPPORT ENGINEER NOC	per month	\$ 52,103
3HE09107AA	ONSITE SUPPORT ENGINEER NOC	per year	\$ 355,478
3HE06627AA	ONSITE ARCHTIECTURE ENGINEER	per month	\$ 52,103
3HE09108AA	ONSITE ARCHTIECTURE ENGINEER	per year	\$ 355,478
3HE06628AA	5620 SAM SUPPORT ENGINEER	per month	\$ 52,103
3HE09109AA	5620 SAM SUPPORT ENGINEER	per year	\$ 355,478

# NOKIA

# SERVICES

Part No	Description	Metric	Unit Price
<b>INTEGRATION</b>			
3HE06631AA	NETWORK INTEGRATION 7x50 SR/ESS	per unit	\$ 5,789
3HE06632AA	NETWORK INTEGRATION 7705 SAR	per unit	\$ 1,930
3HE07153AA	ON-SITE NETWORK INTEGRATION 7950 XRS, 7750 SR, 7705 SAR 7210 SAS - 1 WEEK	per week	\$ 16,758
3HE01601AA	Professional Svcs - Remote (Includes Design, Integration, Consultation & IOT)	per hour	\$ 255
3HE07794AA	Professional Svcs - Onsite (Includes Design, Integration, Consultation & IOT)	per hour	\$ 360
<b>OSS (SAM CPAM)</b>			
3HE06639AA	5620 SAM UPGRADE ( STAGING & REMOTE )	per network	\$ 28,946
3HE04124AA	5620 SAM UPGRADE ( STAGING & ON SITE )	per network	\$ 35,548
3HE02934AA	5620 SAM INSTALLATION - 5 DAYS (REMOTE)	per network	\$ 15,235
3HE09347AA	5620 SAM INSTALLATION - 5 DAYS (ONSITE)	per network	\$ 19,297
3HE04256AA	5620 SAM OPERATIONS CONSULTING	per network	\$ 27,930
3HE09112AA	5620 SAM INSTALLATION & OPERATION FOR STRATEGICS	per network	\$ 32,501

**\* Notes:**

1. RTS, RESRFR, RES-AE and SSP pricing shown above assumes minimum configurations
2. RTS, RES-RFR and RES-AE values are calculated per project based on type, configuration, quantity of nodes and term of agreement. The values shown above are minimum per network fees.
3. 5620 SAM SSP annual rates =  $\$ \sum (\text{base SW} + \text{RTUs/License Points}) \times 40\%$  of purchase price
4. Site Survey is limited to the United States, excluding Hawaii and Canada
5. Site Survey Assumptions: Pricing includes performing a basic site survey, which c/o verification of equipment bay location, peripheral equipment termination assignments, power type and termination assignments, and cable running routes.
6. Ordering codes are subject to change and will be determined when an official quote is provided by Nokia
7. Installation and Implementation Services pricing does not apply to states with prevailing wages statutes. Pricing will be quoted based on individual State adherence to prevailing wage requirements
8. Program Management performed remotely. Any customer-required travel will be billed as incurred.
9. All services are subject to specific definitions, inclusions, exclusions, terms, etc. as defined in a Statement of Work that will accompany each price quote from Nokia to the WSCA Customer.
10. All hourly rates are based on a 40-hour work week and normal business hours.
11. Onsite rates do not include travel and living expenses
12. 7750 SR repair services are configuration dependent.