

**STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909**

May 16, 1995

**CHANGE NOTICE NO. 13
 TO
 CONTRACT AGREEMENT NO. 071B4000144
 between Supersedes Contract No. 0144
 THE STATE OF MICHIGAN
 and**

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. One Michigan Avenue P. O. Box 30116 Lansing, MI 48909	TELEPHONE (517) 377-3900
	FEDERAL I. D. NUMBER <div style="background-color: black; width: 100px; height: 15px;"></div>
	BUYER Unit 9 Billie Collins <i>BC</i>
COMMODITY #7099-0000 BID LIST #9893 Michigan Administrative Information Network (MAIN) Technology Services Department of Management and Budget	
CONTRACT PERIOD 22 Months From: December 1, 1993 To: September 30, 1995	
TERMS Net 30 Days	SHIPMENT As Required
F.O.B. Delivered	SHIPPED FROM N/A
MINIMUM DELIVERY REQUIREMENTS N/A	

CHANGE(S):

The attached Change Authorization Order Numbers 41, 53, 54, and 55 are hereby incorporated as part of the contract.

AUTHORITY/REASON: Agency request 4/20/95, 5/2/95, and 5/10/95.

Contract Change Notice No. 5 has been abstracted and is now represented by BPO #071B5000713.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 041

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

To implement the Vision:Manage function within Project MAIN, the following product set from Sterling Software is required:

Vision:Manage
Vision:Enable

Based on the State's plans to implement Vision:Manage across the State agencies with distributed function, the following package is available to the State.

<u>Product</u>	<u>Minimum Quantity</u>	<u>Unit Price</u>
Vision:Manage	30	\$3745.00
Vision:Enable	1500	\$ 53.00

<u>Annual Maintenance</u>	<u>Unit Price</u>
Vision:Manage	\$ 803.00
Vision:Enable	\$ included with Vision:Data maintenance

This package is available only as a single-purchase and expires on June 1, 1995.

III. State Authorization

Check One:

_____ This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

X This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments: None.

Integrated Systems Solutions Corporation

By: V. Eisele
Title: ISSC PM
Date: 4/18/95

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: Michael Ajaram
Title: mgr Info Tech
Date: 5/17/95

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 053

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope of work

Provide two instructors to conduct IAT01 and IAT03 classes as described in the IAT Training requirements included with ISSC Change Order 43.

Work will be performed under the direction of the MIDB training coordinator, Jim Wegryn. The State will provide all training materials and training for the instructors.

B. Deliverables

Work results will be documented in biweekly status reports.

C. Costs

Work will be performed for an hourly rate of \$96 per hour per instructor for 23 weeks, beginning on April 24, 1995 and ending on September 29, 1995. Work performed will be a minimum of 40 hours a week and a maximum of 50 hours per week. Total cost not to exceed \$220,800. The State will be invoiced on a monthly basis for the hours provided during the preceding month.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services
Contract Number 0144
Change Authorization Order Number 54

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

This Change authorization addresses two items:

1. Planning the configuration of the LMAN Network to perform a pilot of Vines IP routing for the Secretary of State and Novell IPX routing for Department of Social Services.
2. Continued participation in the network designs for the Unisys A-series Michigan Consolidation Project (MIPC Project.)

A. Scope and Schedule

The scope of work to be performed as part of this change order and the schedule is as follows:

Week	Activity
March 27 through March 31	Plan for Vines IP Routing on LMAN for the Secretary of State.
April 3 through April 7	Finalize plans for Vines IP Routing. Assist MIPC Project Team.
April 10 through April 14	Plan for IPX Routing on LMAN for Department of Social Services.
April 17 through April 21	Assist MIPC Project Team.

Week	Activity
April 24 through April 28	Evaluate traces of Vines IP and IPX Traffic on LMAN. Evaluate tools. Modify router configurations.
May 1 through May 5	Continue evaluations and modifications to router configurations.
May 8 through May 12	Plan for IPX and Vines IP Routing on LMAN for more mature agency networks, such as Department of Transportation, and Department of Commerce.
May 15 through May 19	Assist MIPC Project Team.

B. Deliverables

Deliverables to be developed as a result of this change authorization are:

1. A recommendation of standard router configurations and filters to accommodate Vines IP and IPX Routing on LMAN.
2. A recommendation of the tools needed to add to the NCC's Integrated Network Management System (INMS) to provide management of the multi-protocol routing.
3. Recommended actions for agency network support personnel for using LMAN to route Vines IP and IPX traffic.
4. A final presentation on the network configuration for the MIPC Project.

C. Costs

The ISSC Charges for this change order are:

<u>Hours</u>	<u>Rate</u>	<u>Total</u>
320	\$130/hour	\$41,600

In addition, actual travel and living expenses not to exceed \$1,100 per week will be charged to the State. (In 1994 the average actual travel and living expenses for the LMAN Design Project was \$780 per week.)

E. Completion Criteria

ISSC will have fulfilled its obligations under this change order when any one of the following first occurs:

- The ISSC accomplishes the tasks listed in *Section A. "Scope and Schedule"* and completes the items listed under *Section B. "Deliverables."*
- ISSC provides the number of hours of services specified in *Section C. "Costs"*, or any subsequent change memo.
- The State terminates the project.

III. State Authorization

Check One:

This order shall be performed for the benefit of the DMB Office of Information Technology (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 55

I. Effect on Contract

_____ This Change authorization order (the *Order*) is subject to all terms and conditions of the Contract for Technology Services (the *Contract*) between the State of Michigan and Integrated Systems Solutions Corporation (*ISSC*) dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

_____ The purpose of this order is to authorize ISSC to provide a classroom training curriculum for the State of Michigan. This curriculum will provide the State with the skills in the following areas:

- **MVS**
- **TSO/JCL/VSAM**
- **QMF**
- **SQL/DB2**
- **CICS**
- **COBOL II**

ISSC will provide both introductory and detailed classes in these areas. A detailed curriculum with dates and class outlines is included below. These classes will be delivered on-site except where specifically noted. ISSC will provide the installation and set up of all lab work that will be required to hold the classes in the State's MAIN training facilities.

A. Scope

As part of this change ISSC will deliver the following classes to the State of Michigan:

Class 1 - MVS Overview: April 20-21, 1995

This 2 day MVS class overview will provide students a basic understanding of the MVS/ESA operating system. This will be the foundation for the rest of the curriculum. The skills acquired in this class are a pre-requisite for the other classes.

Class 2 - TSO/E/ISPF/JCL/VSAM: May 8-12, 1995

This five day class is geared for application programmers new to the MVS/ESA environment. TSO/E will be reviewed and used to prepare the individuals to communicate with the MVS/ESA system. TSO/E will be used in the JCL portion of this class. COBOL applications will be used to process VSAM and non-VSAM data.

Class 3 - DB2/QMF Training: May 22-25, 1995

This 3.5 day class will provide a fundamental understanding of DB2 and QMF. The DB2 topics to be covered include:

- Designing tables - (Naming requirements, table relationships)
- Physical Data Management - (tablespace definition, uses and Management)
- Programming - (including SQL in applications)
- Utilities - (Moving data in and out of DB2)

QMF topics to be covered include:

- Prompted Query - (how to write prompted queries)
- Table Editor - (add, change or delete from tables)
- QMF Application Support - (discussion and use of QMF in applications)
- QMF Commands

Class 4 - SQL/DB2 Detailed Topics Class: To be scheduled

This 5 day class will go into greater detail of SQL and DB2, and build upon the skills of the DB2/QMF training. This class will be largely a hands-on workshop teaching students how to embed SQL commands in application programs. This will be a five day custom class which combine an SQL and DB2 workshop into a single class specifically for the State of Michigan.

Class 5 - CICS Command Level Coding: To be scheduled

This is a 4.5 day class, which is a combination of classroom and lab work. We will cover fundamental program components, maps and the

display, addressability techniques, updating external data, accessing special storage areas, and CICS queuing facilities.

Class 6 - COBOL II:

This course is designed for the beginning VS COBOL II programmer, who has little or no experience programming in the COBOL language. Through the use of lectures and lab exercises, new VS COBOL II programmers have the opportunity to learn design, coding and debugging techniques specific to the VS COBOL II language. ISSC recommends that this class be taken as a public offering rather than on-site due to the few people needing these skills.

B. Deliverables

NONE

C. Costs

The State will be responsible for the following costs:

Class	Set up Costs	Class Cost	Travel	Total Cost*	Add't Student
MVS	None	\$ 6,206	\$ 1,070	\$ 7,276	\$ 214
TSO/JCL/VSAM	\$ 768	\$ 15,515	\$ 1,552	\$ 17,835	\$ 535
QMF	\$ 384	\$ 9,684	\$ 1,391	\$ 11,459	\$ 375
SQL/DB2	\$ 960	\$ 16,853	\$ 1,498	\$ 18,351	\$ 535
CICS	\$ 960	\$ 14,712	\$ 1,150	\$ 15,862	\$ 535
COBOL II**	None	\$ 1,553			
Total Cost				\$ 70,783	

* All on-site class prices are for a maximum of 14 students per class.

** The State does not have enough students with this requirement to justify a private class, therefore we recommend taking this class as a public class at a cost of \$ 1,553 plus the State is responsible for travel and living. The class is available in Chicago, IL.

D. Facilities

Classes 1-5 will be provided at State provided facilities. ISSC will provide the setup for the labs, the State will be responsible for scheduling the students.

Check One:

___ This order shall be performed for the benefit of Department of Management and Budget (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

___ This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

None

Integrated Systems Solutions Corporation

By: W. H. S. [Signature]
Title: Cleveland Contract Representative
Date: 4/14/95

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: Michael [Signature]
Title: Mgr Info Tech
Date: 5/17/95

Form No. DMB 234A (Rev. 3/92)
 AUTHORITY: Act 431 of 1984
 COMPLETION: Required
 PENALTY: Failure to deliver in accordance with contract terms
 and conditions and this notice may be considered in default of
 contract

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909

March 29, 1995

CHANGE NOTICE NO. 12
 TO
 CONTRACT AGREEMENT NO. 071B4000144
 between Supercedes Contract No. 0144
 THE STATE OF MICHIGAN
 and

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. One Michigan Avenue P. O. Box 30116 Lansing, MI 48909	TELEPHONE (517) 377-3900
	FEDERAL I.D NUMBER 
	BUYER Unit 9 Billie Collins <i>bc</i>
COMMODITY #7099-0000 BID LIST #9893 MICHIGAN ADMINISTRATIVE INFORMATION NETWORK (MAIN) TECHNOLOGY SERVICES DEPARTMENT OF MANAGEMENT AND BUDGET	
CONTRACT PERIOD 22 Months From: December 1, 1993 To: September 30, 1995	
TERMS Net 30 Days	SHIPMENT As Required
F.O.B. Delivered	SHIPPED FROM N/A
MINIMUM DELIVERY REQUIREMENTS N/A	

CHANGE(S):

The attached Change Authorization Order Number 49 is hereby incorporated as part of the contract.

AUTHORITY/REASON: Agency request 3/27/95.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services
Contract Number 0144
Change Authorization Order Number 49

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

The State of Michigan's Unisys Data Center Consolidation Project calls for centralizing the Unisys production workload to the Department of State's data center at the Secondary Complex, and centralizing the Unisys development workload to the Department of Mental Health's data center in the Cass Building. The Project also calls for connecting existing Unisys CP2000 Front End Processors to both systems.

The nine CP2000s reside in:

- the Cass, Treasury, 3Cs, Transportation, Lottery buildings in downtown Lansing;
- the Department of State at the Secondary Complex;
- The State Police at East Lansing;
- the Department of Corrections at South Logan (MLK Blvd.);
- the Department of Commerce at Mercantile Way.

The two Unisys Data Centers reside in:

- the Department of State at the Secondary Complex;
- the Department of Mental Health at the Cass Building.

In addition, LMAN Connection requirements for the following locations need to be analyzed:

- the North Logan Department of Public Health Complex.

The purpose of this change order is for ISSC to work with a team of State of Michigan Telecommunications, and Unisys Data Center Consolidation team members to develop requirements for each of the connections listed above, determine the best method for connecting and to provide recommendations for input to a Connection Report.

A. Scope

The scope of work to be performed as part of this change order is to work with the Unisys Data Center Consolidation team to perform:

1. Site Surveys -- Review existing physical survey documentation to determine connection requirements for each of the twelve locations listed above. Some existing survey information may need to be updated.
2. Analyze Bandwidth Requirements -- Estimate the bandwidth requirements for each location.
3. Connection Recommendation -- Identify the hardware, software, and telecommunications facilities required to connect the twelve locations.
4. Hardware/Software Configurations -- Identify all hardware and software configurations needed to implement the connection.
5. Connection Report -- Develop a Connection Report summarizing the connection recommendations and configurations for the twelve locations.

The duration of the effort is estimated to be 4 weeks.

B. Deliverables

ISSC will work with the Team as a representative of the Telecommunications department to provide recommendations and input to the Connection Report. The specific sections of the reports to be delivered by ISSC will be defined after the start of the project.

C. Costs

The ISSC Charges for this change order are:

<u>Hours</u>	<u>Rate</u>	<u>Total</u>
160	\$130/hour	\$20,800

In addition, actual travel and living expenses not to exceed \$1,100 per week will be charged to the State. (In 1994 the average actual travel and living expenses for the LMAN Design Project was \$780 per week.)

D. Estimated Schedule

The project is estimated to last 4 weeks beginning on Monday, February 13, 1995 and ending Friday, March 10, 1995.

E. Completion Criteria

ISSC will have fulfilled its obligations under this change order when any one of the following first occurs:

- The ISSC accomplishes the tasks listed in *Section A. "Scope"* including delivery of recommendations for input to the Connection Reports.
- ISSC provides the number of hours of services specified in *Section C. "Charges"*, or any subsequent change memo.
- The State terminates the project.

III. State Authorization

Check One:

 X This order shall be performed for the benefit of the DMB Office of Information Technology (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

 This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

Form No. DMB 234A (Rev. 3/92)
 AUTHORITY: Act 431 of 1984
 COMPLETION: Required
 PENALTY: Failure to deliver in accordance with contract terms
 and conditions and this notice, may be considered in default of
 contract

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909

March 6, 1995

CHANGE NOTICE NO. 11
 TO
 CONTRACT AGREEMENT NO. 071B4000144
 between Supercedes Contract No. 0144
 THE STATE OF MICHIGAN
 and

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. One Michigan Avenue P. O. Box 30116 Lansing, MI 48909	TELEPHONE (517) 377-3900
	FEDERAL I.D. NUMBER 
	BUYER Unit 9 Billie Collins <i>Bc</i>
COMMODITY #7099-0000 BID LIST #9893 MICHIGAN ADMINISTRATIVE INFORMATION NETWORK (MAIN) TECHNOLOGY SERVICES DEPARTMENT OF MANAGEMENT AND BUDGET	
CONTRACT PERIOD 22 Months From: December 1, 1993 To: September 30, 1995	
TERMS Net 30 Days	SHIPMENT As Required
F.O.B. Delivered	SHIPPED FROM N/A
MINIMUM DELIVERY REQUIREMENTS N/A	

CHANGE(S):

The attached Change Authorization Order Number 43 is hereby incorporated as part of the contract.

AUTHORITY/REASON: Agency request 2/22/95.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 043

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope of work

Provide two instructors to conduct IAT01 and IAT03 classes as described in the attached IAT Training requirements.

Work will be performed under the direction of the MIDB training coordinator, Jim Wegryn. The State will provide all training materials and training for the instructors.

B. Deliverables

Work results will be documented in biweekly status reports.

C. Costs

Work will be performed for an hourly rate of \$96 per hour per instructor for 9 weeks, beginning on February 20, 1995 and ending on April 21, 1995. Work performed will be a minimum of 40 hours a week and a maximum of 50 hours per week. Total cost not to exceed \$86,400.

Form No. DMB 234A (Rev. 3/92)
 AUTHORITY: Act 431 of 1984
 COMPLETION: Required
 PENALTY: Failure to deliver in accordance with contract terms
 and conditions and this notice, may be considered in default of
 contract

**STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909**

February 17, 1995

**CHANGE NOTICE NO. 10
 TO
 CONTRACT AGREEMENT NO. 071B4000144
 between Supercedes Contract No. 0144
 THE STATE OF MICHIGAN
 and**

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. One Michigan Avenue P. O. Box 30116 Lansing, MI 48909		TELEPHONE (517) 377-3900
		FEDERAL I.D. NUMBER [REDACTED]
		BUYER Unit 9 Billie Collins <i>BC</i>
COMMODITY #7099-0000 MICHIGAN ADMINISTRATIVE INFORMATION NETWORK (MAIN) TECHNOLOGY SERVICES DEPARTMENT OF MANAGEMENT AND BUDGET		BID LIST #9893
CONTRACT PERIOD 22 Months From: December 1, 1993		To: September 30, 1995
TERMS Net 30 Days	SHIPMENT As Required	
F.O.B. Delivered	SHIPPED FROM N/A	
MINIMUM DELIVERY REQUIREMENTS N/A		

CHANGE(S):

The attached Change Authorization Order Numbers 8 and 47 are hereby incorporated as part of the contract.

AUTHORITY/REASON: Agency request 1/25/95.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 8

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

This change order consolidates three changes for three areas of the MAIN-NET Project. The three changes are:

- A. Addition of Password Manager function to the MAIN Security Server
- B. Removal of NetScript/6000 on the MAIN INMS System
- C. Addition of Spare Parts Inventory for Cisco Router Maintenance

Summary of Costs

The table summarizes the changes in costs to the MAIN project. Details of the costs changes are below.

Change Description	Net Cost Change
A. Addition of Password Manager	\$ 24,280.00
B. Removal of NetScript/6000	(\$ 38,899.00)
C. Addition of Spare Parts Inventory	\$ 43,240.00
Total:	\$ 28,621.00

A. Change 1 - Password Manager

A.1 Scope

The Password Manager is a program that runs on the Security Server and changes user passwords for MAIN host computers (MAIN-MIDB, MAIN-FACS, and MAIN-HRS.) The Password Manager is made up of the following components:

- Password Generator
- Terminal Emulator
- Session Manager
- Scheduler
- Database Services
- Password Change Servers
- Administrative Interface

These functions are described in detail in MAIN-NET Deliverable I-28 - Security Server Design Report.

A.2 Deliverables

There are no additional deliverables associated with this portion of the change order. The Password Manager functions listed above will be embedded within the MAIN-NET Deliverable I-38, the Security Server.

A.3 Costs

The additional cost for the Password Manager is \$24,280.00.

A.4 Schedule

The Password Manager will be delivered with the Security Server in November, 1994.

B. Change 2 - Removal of NetScript/6000

B.1 Scope

NetScript/6000 was originally bid as a part of the MAIN-NET Integrated Network Management System (INMS.) Its purpose was to monitor certain network elements and devices and send status and alert information to the NetView/6000 software on the INMS. The network elements and devices NetScript/6000 was to manage are:

- Computer Network Technologies (CNT) Channel Extenders
- Cisco Routers
- Xyplex Communications Servers
- Paradyne Modems
- Telebit NetBlazer
- Best Power Uninterruptible power supplies
- General Datacomm NCM-70 network management system

In March of 1994, the State decided it no longer needed to interface with the General Datacomm NCM-70 network management system. The other devices are managed using NetView/6000 and Simple Network Management Protocol (SNMP) support of each device. SNMP interfaces are provided for each of the devices as follows:

Network Device	SNMP Support
CNT Channel Extenders	Addition of SNMP software module to the CNT in Lansing, Michigan.
Cisco Routers	Has native SNMP support.
Xyplex communications servers	Has native SNMP support.
Paradyne - 3611 56Kbps DSU/CSU	Will not be managed using NetView/6000.
Paradyne - 3811 Dial Modems	Will not be managed using NetView/6000.
Paradyne - 3160 T1 DSU/CSU	Addition of Ethernet adapters and native SNMP support.
Telebit NetBlazer	Has native SNMP support.
Best Power uninterruptible power supply	Addition of SNMP adapter.
General DataComm NCM-70 NMS	No longer required.

B.2 Deliverables

Changes in the Project MAIN Deliverables are:

1. Removal of NetScript/6000 Software
2. Addition of CNT SNMP Software Support
3. Addition of four Ethernet adapters for the four Paradyne 3160 T1 DSU/CSUs.
4. Addition of SynOptics 16-Port Hub for Network Control Center.
5. Addition of SNMP Adapter for Best Power Uninterruptible power supply.

B.3 Costs

Changes in the Project MAIN Costs due to this change are:

1. Price of NetScript/6000 Software (\$ 33,350.)
2. Price of NetScript/6000 Annual Software Maintenance (\$ 2,000.)

3. Price of 15 Days Labor for Integration	(\$ 12,360.)
4. Price of CNT SNMP Module	\$ 1,596.
5. Price of CNT SNMP Annual Maintenance	\$ 1,136.
6. Price of four Ethernet adapters for 3160	\$ 3,403.
7. Price of SynOptics 2813-04 16-Port Hub	\$ 2,200.
8. Price of SNMP Adapter for Best Power UPS	\$ 476.
Net Change in Cost from removal of NetScript/6000	(\$ 38,899.)

B.4 Schedule

All of these changes will be delivered with the INMS Completion Signoff in December, 1994.

C. Change 1 - Spare Parts for Cisco Router

C.1 Scope

The Project MAIN Contract called for hardware maintenance service levels of 24 hours per day, 7 days per week with 4 hour response time. the purpose of this change is to purchase a spare parts inventory along with a less expensive maintenance option from the vendor.

This change order alters the maintenance on the MAIN-NET Cisco Routers from using the Cisco Comprehensive Maintenance Agreement to using the Cisco SMARTNet Maintenance Agreement with a spare parts inventory. The Cisco SMARTNet Maintenance is off-site coverage, where service parts are overnight-shipped to the customer site.

C.2 Deliverables

This deliverables altered by this change order are:

1. Removal of the requirements to have 24x7 maintenance coverage with 4 hour response time for the MAIN-NET Cisco Routers.
2. Addition of the following spare parts inventory:

For MAIN-NET and LMAN Core Routers:

CX-EIP6	7000/6 Port Ethernet	1	\$ 14,221.00	\$ 14,221.00
CX-FIP-MM	7000/FDDI Multimode	1	\$ 17,776.00	\$ 17,776.00
CX-FSIP8	7000/8 Port Serial	1	\$ 14,221.00	\$ 14,221.00
CX-TRIP2	2 Port Token Ring	0		
NP-2E	4000/2 Port Ethernet	1	\$ 3,200.00	\$ 3,200.00
NP-1F-D-MM	4000/Multimode FDDI	1	\$ 7,377.00	\$ 7,377.00
	Subtotal:			\$56,795.00

For Agency Routers:

4000-M	Cisco 4000	1	\$ 3,555.00	\$ 3,555.00
NP-2R2	2 Port Token Ring	1	\$ 4,088.00	\$ 4,088.00

NP-4T	4 Port Serial	1	\$ 4,088.00	\$ 4,088.00
	Subtotal:			\$ 11,731.00

3. Use Cisco's SMARTNet Maintenance option for the Cisco routers.

C.3 Costs

The costs for this change order are as follows:

1. Spare Parts Inventory for MAIN-NET Routers	\$ 56,795.
2. Spare Parts Inventory for Agency Routers	\$ 11,731.
3. Removal of Annual Cisco Comprehensive Maintenance from MAIN Contract for MAIN-NET Routers	(\$ 47,495.)
4. Addition of Annual Cisco SMARTNet Maintenance for MAIN-NET Routers	\$ 22,209.
Net Change in Cost (First Year)	\$ 43,240.
Net Change in Cost (Later Years)	(\$ 25,286.)

C.4 Schedule

This change order can be implemented immediately. The Cisco spare parts inventory can be delivered to the State in 4-6 weeks.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 047

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope of work

Provide assistance to Project MAIN staff and central control agency management in verification of system requirements, development of report reconciliation procedures, and other assignments as needed.

Work will be performed under the direction of Linda Pigue, Manager, MAIN FACS by Robert Potter or a suitable replacement acceptable to both the State of Michigan and ISSC.

B. Deliverables

Work results will be documented in biweekly status reports.

C. Costs

Work will be performed for an hourly rate of \$60 per hour not to exceed 60 hours per week for 39 weeks, beginning on January 1, 1995 and ending on September 30, 1995. Total cost not to exceed \$140,400.

D. Schedule

Work will begin on January 1, 1995 and be completed on September 30, 1995.

III. State Authorization

Check One:

This order shall be performed for the benefit of ***** AGENCY NAME GOES HERE ***** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

NONE.

Integrated Systems Solutions Corporation

By: *Nick L Esile*
Title: ISSC PM
Date: 1/17/95

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: *[Signature]*
Title: Mgr Info Tech
Date: 2/16/95

Form No. DMB 234A (Rev. 3/92)
 AUTHORITY: Act 431 of 1984
 COMPLETION: Required
 PENALTY: Failure to deliver in accordance with contract terms and conditions and this notice may be considered in default of contract

**STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909**

January 10, 1995

**CHANGE NOTICE NO. 9
 TO
 CONTRACT AGREEMENT NO. 071B4000144
 between Supercedes Contract No. 0144
 THE STATE OF MICHIGAN
 and**

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. (56222) One Michigan Avenue P. O. Box 30116 Lansing, MI 48909	TELEPHONE (517) 377-3900
	FEDERAL I.D. NUMBER [REDACTED]
	BUYER Unit 9 Billie Collins <i>BC</i>
COMMODITY #7099-0000 BID LIST #9893 MICHIGAN ADMINISTRATIVE INFORMATION NETWORK (MAIN) TECHNOLOGY SERVICES DEPARTMENT OF MANAGEMENT AND BUDGET	
CONTRACT PERIOD 22 Months From: December 1, 1993 To: September 30, 1995	
TERMS Net 30 Days	SHIPMENT As Required
F.O.B. Delivered	SHIPPED FROM N/A
MINIMUM DELIVERY REQUIREMENTS N/A	

CHANGE(S):

The attached Change Authorization Order Numbers 21, 31, 44, 45 and 46 are hereby incorporated as part of the contract.

AUTHORITY/REASON: Agency request 12/29/94.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 21

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

This Change Order is in response to the State of Michigan's request for the development of training materials for the IAT03 training class. This class is described in the MIDB Training Plan and Approach document. The proposed class outline from this document is included with this change order as an attachment. Participant materials and trainers' materials will be produced for IAT03. All materials will be prepared using Project MAIN documentation standards.

B. Deliverables

Deliverables for this change order will be one copy of the final IAT03 Participant's materials and one copy of the final IAT03 Trainer's materials.

C. Costs

The cost of this change order is a fixed cost of \$15,360 based on 160 hours at the change order labor rate of \$96.00. This amount will be invoiced upon delivery of the training materials.

D. Schedule

The development of the training materials will begin on November 1, 1994 and will be completed on December 2, 1994.

E. State Responsibilities

The State of Michigan is responsible for the following:

1. Participation in a IAT03 planning session
2. Review and approval of IAT03 Participant's materials
3. Review and approval of IAT03 Trainer's materials
4. Obtaining and training IAT03 trainers
5. All aspects of IAT03 classes
6. Reproduction of IAT03 materials

F. Terms and Conditions

None.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

Page 21 of the MIDB Training Approach and Plan dated October 1, 1994.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 31

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

Provide coordination of the EIS roll-out in the areas of workstation installation and EIS user training for the time period specified in the section D. Schedule of this change order. This includes:

- a) contacting the designated representative of each of the individuals identified in the attached EIS Roll-out Plan to arrange for the workstation software installation assistance being provided by Project MAIN,
- b) scheduling the installation,
- c) reporting the status of installation activity,
- d) identifying installation problem areas,
- e) contacting the designated representative of each of the individuals identified in the attached EIS Roll-out Plan to arrange for EIS user training,

- f) scheduling the EIS user training,
- g) conducting one-on-one EIS user training,
- h) reporting the status of the training activity, and
- I) identifying EIS training problem areas.

B. Deliverables

Bi-weekly status reports indicating the status of EIS installation planned and completed and EIS end user training sessions planned and completed.

C. Costs

The services for EIS coordination and EIS end user training have a fixed price of \$33,150. Assistance will be provided for 30 hours a week for the period of 13 weeks at \$85.00 per hour, according to Change Order Labor Rates.

EIS Coordination and training 390 hours X \$ 85.00 = \$33,150

ISSC will invoice the State \$11,050 for each of the 3 months of November, December, and January.

D. Schedule

This change order covers the period of November 1, 1994 through January 31, 1995.

E. State Responsibilities

The State responsibilities relative to this change order are:

- a) Identify EIS users.
- b) Identify EIS roll-out priority.
- c) Provide the resource necessary for the EIS software installation.
- d) Provide all necessary EIS software required for training the EIS users.
- e) Assist with resolving problems occurring in the roll-out when they are reported to the State.

III. State Authorization

Check One:

 This order shall be performed for the benefit of ***** AGENCY NAME GOES HERE ***** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

 X This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

EIS Roll-out Plan

Integrated Systems Solutions Corporation

By: *Veckie K. Eusele*
Title: ISSC PM
Date: 11/17/94

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: *Michael Agan*
Title: Mgr IT Services
Date: 1/9/95

EIS ROLLOUT

The rollout of the EIS will occur over an extended period of time beginning with current pilot users. It will be introduced to various groups on a gradual basis in order to allow proper installations and maintain adequate MAIN staff support. The MAIN EIS team will be experienced in installation and training. It will provide either direct service and support to each user group described below, or it will give assistance to agency technical staff during the rollout period.

Presented below are the State groups targeted for the rollout of EIS and an *Activity Table*. Individuals included in more than one group will receive training and installation during the earlier group schedule. The dates shown in the *Activity Tables* indicate the earliest date each activity can begin for that group.

WHO AND WHEN

EIS Pilot Users

The nine EIS pilot users will be the first group to receive the production version of EIS. This will occur during the week of October 24, 1994. This brief initial release will be used to make sure there are no minor problems to be resolved. The EIS pilot users are:

Martha Bibbs	Civil Service
Tom Clay	Treasury
Richard Czuba	Governor's Office
Chris DeRose	Management and Budget
Jim Haveman	Mental Health
Gary Olson	Senate Fiscal Agency
Greg Rosine	House Fiscal Agency
Carol Viventi	Governor's Office
Patricia Woodworth	Management and Budget

These users are currently launching EIS without the aid of the MAIN Access Panel (MAP). This general interface will be available in December. The fact that installation of new EIS and MAP software will not be on the same date mandates two separate installations. Therefore, pilot users will receive MAP at a later date. The rollout activities required for the pilot users are as follows:

<i>EIS Pilot Users</i>	<i>Start Week Of</i>
MAIN installs and tests EIS software and NewsEdge.	October 24
MAIN provides EIS and NewsEdge training.	October 31
MAIN installs and tests MAP interface.	November 28
MAIN schedules MAP training.	November 28
MAIN trains user in MAP.	December 5

Governor's Office

The 16 people within the Governor's office will be the second group to receive EIS software. The following list shows EIS candidates with a check mark indicating those who are part of the pilot.

John Engler	Governor
Linda Meyer	Executive Assistant
Dan Pero	Chief of Staff
Carol Viventi ✓	Deputy Chief of Staff
Sara Saxby	Adm. Assistant to the Deputy
Sharon Rothwell	Advisor on Quality Mgmt.
Dennis Schornack	Senior Policy Advisor
Rusty Hills	Communications Division
John Truscott	Press Secretary
Lucille Taylor	Legal Division
Mike Gadola	Deputy Legal Counsel
Jeff McAlvey	Legislative Division
Anne Armstrong	Assist. Legis. Liaison
Bryan Roosa	Constituents Services Division
Peggy Schacht	Chief of Staff
Connie Binsfeld	Lt. Governor

Two additional staff, Susy Heintz in the Detroit Office and LeAnne Redick in the Washington Office will also be included as EIS users. However the assessment of their remote capabilities will need to be made before finalizing scheduling details.

The MAIN staff will do all software installations. ISSC and MAIN staff will do all one-on-one training for both EIS and NewsEdge. The MAIN EIS team will work with Clay Reeves during this rollout. Macintosh workstations are used exclusively within this group.

The rollout activities for the Governor's staff are:

<i>Governor's Office</i>	<i>Start Week Of</i>
Install NewsEdge and train preliminary user.	October 3
MAIN and agency orders Pilot software.	October 10
Planning session with Clay Reeves.	October 20
Agency checks workstation for standards compliance.	October 24
Agency schedules EIS training.	November 7
MAIN installs and tests EIS and MAP software.	November 14
ISSC and MAIN train user in EIS and MAP.	November 28 and month of December

In addition, a second group of users will be added to the EIS. Implementation for this group will be managed by the Governor's staff with assistance from MAIN. The 12 users of this group are:

Chad Macintosh	Environ. Policy Advisor
Thomas Ginster	Crime Policy Advisor
Robert Filka	Policy Advisor
Keri Hunnicutt	Secretary
Mark Jones	Exec. Dir. MEEBOC
Dana Cole	Policy Analyst
Bill McBride	Deputy of Public Affairs
Kristin Kessler	Special Assistant
Richard Czuba ✓	Advisor for Research and Planning
Tom Davis	Admin. Asst. to the Deputy
Georgia VanAdestine	Education Policy Advisor
Don Allen	Policy Advisor

DMB Deputies

In addition to Chris DeRose, Deputy Director for Management Services, there are four other deputy directors within the Department of Management and Budget and each will become a user of EIS. These people are:

Donna Arduin	Chief Deputy Director
Mark Murray	Deputy Dir. for Budget and Finance
John Kost	Deputy Dir. for Procur. & Info. Techn.
Patrick Anderson	Deputy Director for External Affairs.

The MAIN staff will do all installation and the one-on-one training. The MAIN EIS team will work with Jack Bauman during the rollout.

The rollout activities for the DMB deputies are:

<i>DMB Deputies</i>	<i>Start Week Of</i>
Agency orders Pilot software.	October 24
Agency checks workstation for standards compliance.	October 24
MAIN schedules EIS and NewsEdge training.	November 7
MAIN installs and tests EIS and MAP software.	November 14
MAIN trains user in EIS, MAP, and NewsEdge.	November 21

Cabinet Members

There are 23 department heads who are members of the Governor's Cabinet, including some who are also EIS pilot participants. In the following list of cabinet members, pilot EIS users are shown with a check mark.

- | | |
|-----------------------|------------------------------|
| Gordon Guyer | Agriculture |
| Frank Kelly | Attorney General |
| Nanette Lee Reynolds | Civil Rights |
| Martha Bibbs ✓ | Civil Service |
| Arthur Ellis | Commerce |
| Kenneth McGinnis | Corrections |
| Robert Schiller | Education |
| Lowell Perry | Labor |
| Patricia Woodworth ✓ | Management and Budget |
| Jim Haveman ✓ | Mental Health |
| E. Gordon Stump | Military Affairs |
| Roland Harmes | Natural Resources |
| Vernice Davis Anthony | Public Health |
| Gerald Miller | Social Services |
| Richard Austin | State |
| Michael Robinson | State Police |
| Patrick Nowak | Transportation |
| Doug Roberts | Treasury |
| Douglas Rothwell | Michigan Jobs Commission |
| G. Tracy Mehan | Office of the Great Lakes |
| Sharon Rothwell | Office of the State Employer |
| Diane Braunstein | Office of Services on Aging |
| Bob Edwards | MESC |

MAIN staff will do all installation and one-on-one training and work with the Agency Technical Representative.

The rollout activities for the cabinet members are:

<i>Cabinet Members</i>	<i>Start Week Of</i>
MAIN orders Pilot software.	November 7
Planning sessions calls with each agency.	November 7
MAIN checks workstation for standards compliance.	November 28
MAIN installs and tests EIS and MAP software.	December 5
MAIN schedules EIS and NewsEdge training.	December 5
MAIN trains user in EIS, MAP, and NewsEdge.	January all

Legislators

The Senate and the House of Representatives will have different strategies in distributing EIS to their members and staff. The Senate has 38 members, each with two or three staff people, the House has 110 members, each with one or two staff people. Each house has a democratic and republican partisan office with EIS candidates. The contacts for each legislative body are Caryl Holland in the Senate and Dawn Shattuck in the House.

The computer office of each legislative body will be responsible for naming, installing and training their EIS users. MAIN staff will assist whenever possible. The rollout activities for the legislature are:

<i>Legislators</i>	<i>Start Week Of</i>
MAIN has a planning session with each house.	November 1
Each House orders Pilot software.	November 7
Legislative staff identifies EIS users.	November 21
Workstations are checked for standards compliance.	December 5
MAIN trains legislative staff in installation and use of EIS, MAP and NewsEdge.	January 23
MAIN provides support in launching EIS.	February 6

Judiciary

The details of the Judiciary EIS rollout plan will be depended upon the results of a planning session with that agency. At a minimum the Chief Justice and Marilyn Hall will be included in an early release in January 1995. Staff in the judicial computer office will be responsible for naming, installing and training additional EIS users. MAIN staff will assist whenever possible. The rollout activities for the judiciary are:

<i>Judiciary</i>	<i>Start Week Of</i>
MAIN has a planning session with Judiciary.	December 1
Judiciary orders Pilot software.	December 7
Judiciary staff identifies EIS users.	December 21
Chief Justice workstations checked and readied.	January 3
MAIN trains Justice in EIS, MAP and NewsEdge.	January 10
MAIN provides support in further EIS in Judiciary.	January 11

Management Committee

The Management Committee has seven members. Three are already pilot users of EIS and are shown with a check mark in the list that follows:

Chris DeRose ✓	Management and Budget
Tom Clay ✓	Treasury
Richard Huneke	Civil Service
Doug Johnson ✓	Management and Budget
Sandra Friedle	Transportation,
Russ Pigue (John Linderman)	Management and Budget,
Jerry Williams	Management and Budget.

These people should receive the EIS software with MAP after December 1. Three of these people also appears on the MAIN Steering Committee list below. MAIN staff will do all installations and one-on-one training.

The rollout activities for the Management Committee are:

<i>Management Committee</i>	<i>Start Week Of</i>
MAIN orders Pilot software.	November 7
MAIN checks workstation for standards compliance.	November 7
MAIN installs and tests EIS and MAP.	December 5
MAIN schedules EIS, MAP and NewsEdge training.	December 5
MAIN trains user in EIS, MAP and NewsEdge.	December 12

MAIN Steering Committee

The MAIN Steering Committee consists of 28 people from various State agencies, some of whom are on the Management Committee. In the following list of the Steering Committee, those scheduled for early EIS use are shown with a check mark.

S. M. Tomaszewski	Agriculture
William K. Basinger	Attorney General
John R. Suckow	Auditor General
Louis E. Green	Civil Rights
Richard Huneke ✓	Civil Service
Roy Murray	Commerce
David Viele	Corrections
Calvin C. Cupidore	Education
Allen Valenzio	House Fiscal Agency
Timothy Bowlin	House of Representatives
Deborah Gearhart	House of Representatives
Roberta Tisdale	Labor
Chris DeRose ✓	Management and Budget
Lizbeth Leeson	Mental Health
Thomas S. Malek	MESC
Joel A. Wortley	Military Affairs
Donald Weatherspoon	Natural Resources
Jerry Lindman	Office of Chief Justice
Mary A. Lannoye	Public Health
Caryl Holland	Senate
Willis B. Snow	Senate
Gary S. Olson ✓	Senate Fiscal Agency
Edward Roth	Social Services
Stephen Hilker	Social Services
A. Edwin Dore	State
James Snody	State Police
Sandra Friedle ✓	Transportation
A. Thomas Clay ✓	Treasury

This group will require a very flexible schedule because of its diverse population. MAIN staff will do all installations and one-on-one training.

The rollout activities for the MAIN Steering Committee are:

<i>MAIN Steering Committee</i>	<i>Start Week Of</i>
MAIN orders Pilot software.	November 7
Planning sessions calls with each agency.	November 7
MAIN checks workstation for standards compliance.	December 12
MAIN installs and tests EIS and MAP.	January 2
MAIN schedules EIS, MAP and NewsEdge training.	January 2
MAIN trains user in EIS, MAP and NewsEdge.	January 23

Others EIS Users

All others wishing to be users of EIS, such as deputy directors and data providers will be scheduled for installation and training after January 1, 1994. Installation of EIS will be done by the user's agency with technical assistance from MAIN staff. Training for EIS will be done either in MAIN classrooms or be provided by the user agency computer staff.

TECHNICAL ISSUES

MAP user profiles must be prepared and supported by the Agency Security Administrator (ASA). Where timing and training will not allow ASAs to properly install EIS users with MAP interfaces (such as when the ASA is not prepared to do this), State staff will provide necessary assistance to get EIS users MAP ready.

Gongwer News Service is provided to EIS users by subscription. Therefore, it is necessary to make all Agency Implementation Coordinators and EIS users aware of copyright concerns.

NewEdge, a news service being made available to the initial EIS user community is a subscription service. It allows each user to receive news items according to his/her interests. There several issues that need to be followed.

1. Training in the use of NewsEdge require about one half hour additional amount of training time for casual use of this service. This has been factored in when scheduling times for one-on-one training. An additional training period will be required for users interested in advanced features.

2. NewsEdge will not immediately integrated with EIS, particularly on the Mac. ISSC will provide an estimate of resources required to achieve this integration.
3. MAIN's contract with NewsEdge and its news services have a usage reporting requirement.

HELP DESK AND SUPPORT

All EIS questions will be handled through the MAIN Help Desk by the staff assigned to MIDB support. The MIDB person will be trained in the EIS software and MAP user interface before November 1, 1994.

Installations will be carried out primarily by the MAIN MIDB technical team, Neil Miros and Jim Edwards. Agencies wishing to take on the responsibility of EIS installation may take over after the initial installation by MAIN staff. Further assistance will be available as required.

Norma Chruscielski and Roger Boog are the EIS specialist with MAIN and will be the second line of support behind the Help Desk. Neil Miros and Jim Edwards, the MIDB specialists, will also be able to handle calls referred from the Help Desk.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 44

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

1. Introduction

The purpose of this change order is to authorize ISSC to extend the original TPNS Testing service (which was fulfilled under Change Orders 26 and 33) beginning November 4, 1994 for two weeks. The State may elect to continue this service in one-week intervals.

ISSC will perform the following segments for this change order:

1. Modify TPNS scripts previously created by ISSC.
2. Create new TPNS scripts.
3. Run TPNS tests to test changes made to the State of Michigan application and system.

2. Assumptions

The above work requires that the State of Michigan fulfills all of its original responsibilities described in Change Orders 26 and 33, including:

- Provide the right resource to assist ISSC by providing detailed test scenarios for the transactions to be scripted, and to assist ISSC in understanding the business flow for the transactions.
- Provide all needed test IDs and test environment setup which included correct ID class, authorization and profiling.
- Provide test databases setup and restore.
- Provide staff to learn script development and maintenance of test scripts.
- Resolve all application problems identified by the test team within 24 hours.

3. ISSC Responsibilities

ISSC will be performing these services with one tester and the tester will be working offsite.

B. Deliverables

The following will be delivered to the State of Michigan by ISSC under this change order:

- a) Modified TPNS scripts previously created under Change Orders 26 and 33;
- b) New TPNS scripts; and
- c) Run TPNS tests to test changes which will have been made to the State of Michigan application and system.

C. Costs

Two Week Extension for TPNS Testing Service	\$9525.00
Additional Weeks of Testing	\$4760.00 per week

D. Schedule

The Two Week Extension for TPNS Testing Service is from November 4 through November 18, 1994.

III. State Authorization

Check One:

This order shall be performed for the benefit of Department of Management and Budget (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

Integrated Systems Solutions Corporation

By: 
Title: Outsourcing Contractor Representative, ISSC
Date: Nov 22, 1994

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 045

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope of work

Provide assistance to Project MAIN staff and central control agency management in planning, developing, executing and documenting acceptance testing of MAIN FACS.

Work will be performed by Mike Junk under the direction of Linda Pigue, Manager, MAIN FACS Section.

B. Deliverables

Work results will be documented in biweekly status reports that will not only define progress for the current period but will set out a schedule for specific activities to be completed in the subsequent biweekly period.

C. Costs

Work will be performed for an hourly rate of \$85 per hour, up to 60 hours per week for 39 weeks, work to begin on January 1, 1995 and to end on September 30, 1995. Total cost not to exceed \$198,900.

D. Schedule

Work will begin on January 1, 1995 and be completed on September 30, 1995.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

NONE.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 046

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope of work

Provide assistance to Project MAIN staff and central control agency management in planning, developing, executing and documenting acceptance testing of MAIN FACS.

Work will be performed by Mark Rader under the direction of Linda Pigue, Manager, MAIN FACS Section.

B. Deliverables

Work results will be documented in biweekly status reports that will not only define progress for the current period but will set out a schedule for specific activities to be completed in the subsequent biweekly period.

C. Costs

Work will be performed for an hourly rate of \$96 per hour, 60 hours per week for 39 weeks, work to begin on January 1, 1995 and to end on September 30, 1995. Total cost not to exceed \$224,640.

D. Schedule

Work will begin on January 1, 1995 and be completed on September 30, 1995.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

NONE.

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909

December 16, 1994

CHANGE NOTICE NO. 8
 TO
 CONTRACT AGREEMENT NO. 071B4000144
 between Supercedes Contract No. 0144
 THE STATE OF MICHIGAN
 and

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. (56222) One Michigan Avenue P. O. Box 30116 Lansing, MI 48909	TELEPHONE (517) 377-3900
	FEDERAL I.D. NUMBER [REDACTED]
	BUYER Unit 9 Billie Collins <i>Bc</i>
COMMODITY #7099-0000 BID LIST #9893 MICHIGAN ADMINISTRATIVE INFORMATION NETWORK (MAIN) TECHNOLOGY SERVICES DEPARTMENT OF MANAGEMENT AND BUDGET	
CONTRACT PERIOD 22 Months From: December 1, 1993 To: September 30, 1995	
TERMS Net 30 Days	SHIPMENT As Required
F.O.B. Delivered	SHIPPED FROM N/A
MINIMUM DELIVERY REQUIREMENTS N/A	

CHANGE(S):

The attached Change Authorization Order Number 40 is hereby incorporated as part of the contract.

AUTHORITY/REASON: Agency request 12/9/94.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 40

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

Overview: This Change Order is in response to the State of Michigan's requirements for changes to the MIDB PPRISM and FACS Data Model and Database and associated changes to the MIDB Data Extract Facility.

MIDB Changes: The following areas of MIDB are modified by this change order:

Data Extract Facility - HRS extract and load routines, R*STARS extract and load routines, ADPICS extract and load routines, and the associated reconciliation routines.

HRS Data - Logical and physical data model and database.

R*STARS Data - Logical and physical data model and database.

ADPICS Data - Logical and physical data model and database.

Database Administrator: For the database modifications, the services of the MIDB database administrator will be needed for an additional three months. The tasks to be performed are:

- loading of HRS data from 10/94 through 1/95
- loading of R*STARS data from 10/94 through 1/95
- loading of ADPICS data from 10/94 through 1/95
- creation of the database indexes
- monitoring of HP DASD usage
- monitoring of the Oracle database
- performance tuning of the database

MIDB Architect: The MIDB architect will be needed for additional time to monitor the MIDB system hardware and software to ensure that the system requirements occurring from these changes are met. This includes system architecture, disk space, computer operations, operations procedures, and integration within the entire Project MAIN System. The additional time needed for the MIDB architect is full time for the month of January, 1995 and half-time for February and March, 1995.

MIDB Project Management: Additional MIDB Project Management will be needed for these modifications. The additional time needed for project management is full time for the month of January, 1995 and half-time for February and March, 1995.

B. Deliverables

As part of this change order, the following deliverables will be modified

1. MIDB 10.2 Data Extract & Load Programs
2. MIDB 6.2 MIDB/EIS Logical Data Model
3. MIDB 8.2 MIDB Physical Data Model
4. MIDB 19 Control Maps & Reconciliation Procedures
5. MIDB 12 MIDB Security Profiles

The scheduled completion of other MIDB deliverables may be affected by these changes. Attachment 2, MIDB Implementation schedule, has the proposed new delivery dates for the affected deliverables.

C. Costs

The services for the modifications to the MIDB under this change order have a fixed price of \$271,619.00. Attachment 1 identifies the quantity of hours per item with hourly rates according to Change Order Labor Rates.

D. Schedule

The proposed schedule for these modifications is detailed in Attachment 2 of this change order.

E. State Responsibilities

The State is responsible for:

1. Reviewing all aspects of the MIDB modifications.
2. Performing an acceptance test on the modifications.
3. Reviewing procedures

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

Attachment 1: MIDB Adjusted Cost

Attachment 2: Revised MIDB delivery schedule

MIDB Adjustment Cost

Attachment 1

	MIDB Adjustment Schedule	Hours	Price/hr	Price		
H	HRS Logical DB Design	60	\$85	\$5,100		
H	HRS Extract	600	\$85	\$51,000		
H	HRS Extractions	50	\$0	\$0		
H	MIDB6.2 DB Logical Design	20	\$85	\$1,700		
H	HRS Indexes	60	\$85	\$5,100		
H	HRS Loaders	150	\$85	\$12,750		
H	MIDB8/9.2 Physical Design	20	\$85	\$1,700		
H	Reconciliation Programs	200	\$43	\$8,500		
H	Database Administrator	292.5	\$85	\$24,863		
H	Systems Architect	225	\$96	\$21,600		
H	Project Manager	225	\$150	\$33,750	\$166,063	
R	MIDB5.2 DEF Design	0	\$0	\$0		
R	R*S Logical DB Design	60	\$85	\$5,100		
R	MIDB18 Requirements	0	\$0	\$0		
R	Adp Logical DB Design	60	\$85	\$5,100		
R	MIDB37.2 Requirements	0	\$0	\$0		
R	MIDB6.2 DB Logical Design	20	\$85	\$1,700		
R	R*S Indexes	60	\$85	\$5,100		
R	Adp Indexes	60	\$85	\$5,100		
R	MIDB8/9.2 Physical Design	20	\$85	\$1,700		
R	MIDB12 Security Profiles	50	\$0	\$0		
R	MIDB18 Archiver/Reloader	100	\$0	\$0		
R	R*S Extract/Loaders	900	\$85	\$76,500		
R	Adp Extract/Loaders	360	\$85	\$30,600		
R	Data Extract Facility	100	\$0	\$0		
R	DEF Documentation	100	\$0	\$0		
R	DEF System Test	200	\$0	\$0		
R	MIDB37.2 IATs	50	\$0	\$0		
R	MIDB10.2 DEF System Test Results	50	\$0	\$0		
R	MIDB19 Control Maps & Recon	50	\$0	\$0		
R	Database Administrator	292.5	\$85	\$24,863		
R	Systems Architect	225	\$96	\$21,600		
R	Project Manager	225	\$150	\$33,750	\$211,113	
				\$377,175		
					\$271,619	

STATE OF MICHIGAN

MIDB Implementation Schedule

10/1/94

ID	Activity List	Start	Finish	October	November	December	January	February	March	April	May
1	MIDB Development	10/10/94	9/30/95	[Gantt bar spanning from October 1994 to September 1995]							
2	MIDB5.2 DEF Design	10/10/94	10/10/94	[Gantt bar]							
3	R*Stars Logical DB Design	10/10/94	10/14/94	[Gantt bar]							
4	MIDB18 Archive/Reload Req'ts	10/10/94	10/14/94	[Gantt bar]							
5	HRS Logical DB Design	10/10/94	10/18/94	[Gantt bar]							
6	Adpics Logical DB Design	10/10/94	10/21/94	[Gantt bar]							
7	HRS Extract	10/10/94	10/28/94	[Gantt bar]							
8	HRS Extractions	10/28/94	10/31/94		[Gantt bar]						
9	MIDB37.2 IAT Requirements	10/18/94	10/31/94		[Gantt bar]						
10	Logical DB Acceptance Test	10/14/94	10/21/94	[Gantt bar]							
11	MIDB6.2 DB Logical Design	10/17/94	11/1/94	[Gantt bar]							
12	ID FACS, HRS Security Groups	10/20/94	11/1/94	[Gantt bar]							
13	MIDB11 Data Loading Des/Procs	10/10/94	11/1/94	[Gantt bar]							
14	MIDB15 Billing & Charge Back	10/10/94	11/1/94	[Gantt bar]							
15	MIDB17 Skills Transfer	10/10/94	10/26/94	[Gantt bar]							
16	ID FACS, HRS Info Access Groups	10/26/94	11/11/94		[Gantt bar]						
17	MIDB Training Plan Defined	10/10/94	11/18/94	[Gantt bar]							
18	HRS Physical Objects	11/1/94	11/11/94		[Gantt bar]						
19	HRS Loaders	10/28/94	11/14/94		[Gantt bar]						
20	HRS Loading	11/14/94	1/16/95			[Gantt bar]					
21	HRS Internal Reconciliation AT	11/14/94	11/25/94		[Gantt bar]						
22	MIDB38.2A IAT Training Materials	10/10/94	11/15/94	[Gantt bar]							
23	R*Stars Physical Objects	11/4/94	11/17/94		[Gantt bar]						
24	Adpics Physical Objects	11/8/94	11/18/94		[Gantt bar]						
25	Physical DB Acceptance Test	11/15/94	11/25/94			[Gantt bar]					
26	MIDB8/9.2 Physical Design	11/8/94	12/1/94		[Gantt bar]						
27	IAT03 Development	11/1/94	12/1/94		[Gantt bar]						

Attachment 2

STATE OF MICHIGAN

MIDB Implementation Schedule

10/1/94

ID	Activity List	Start	Finish	October	November	December	January	February	March	April	May
28	FACS, HRS Information Access Req'ts	11/1/94	12/1/94								
29	FACS, HRS Security Groups Req'ts	11/1/94	12/1/94								
30	MC Security Review Session	12/6/94	12/15/94								
31	Review MIDB Text Repository Sol'ns	12/6/94	12/23/94								
32	Sensitivity Review of Access Views	12/5/94	12/16/94								
33	MIDB18 Archiver/Reloader	11/30/94	1/9/95								
34	Archive/Reloader AT	1/9/95	1/20/95								
35	ClearManager Rollout Plan	11/16/94	12/16/94								
36	R*Stars Extract/Loaders	11/14/94	12/19/94								
37	R*Stars Loading	12/19/94	1/16/95								
38	R*Stars Internal Reconciliation AT	12/19/94	1/6/95								
39	Adpics Extract/Loaders	11/21/94	12/30/94								
40	Adpics Loading	1/3/95	1/16/95								
41	Adpics Internal Reconciliation AT	1/3/95	1/13/95								
42	MIDB7 Service Level Agreements	10/21/94	1/9/95								
43	FACS, HRS Information Access Views	12/1/94	1/6/95								
44	MIDB12 Security Profiles	12/1/94	1/16/95								
45	MC Review of Security Sign-off Proc	1/9/95	1/19/95								
46	Security Acceptance Test	1/16/95	1/27/95								
47	MIDB Helpdesk Trained	12/1/94	1/16/95								
48	Data Extract Facility	10/10/94	1/16/95								
49	Production Data Control	1/16/95	9/30/95								
50	Reconciliation Programs	10/10/94	1/16/95								
51	External Reconciliation AT	1/16/95	2/3/95								
52	DEF Documentation	10/10/94	1/23/95								
53	MIDB14 MIDB Documentation	10/10/94	1/23/95								
54	MIDB13 D/R and Operating Procs	10/10/94	1/23/95								

STATE OF MICHIGAN

MIDB Implementation Schedule

10/1/94

ID	Activity List	Start	Finish	October	November	December	January	February	March	April	May
55	Operating Procedures AT	1/16/95	1/30/95								
56	DEF System Test	1/16/95	1/30/95								
57	MTDB37.2 IATs	11/1/94	1/30/95								
58	IAT Acceptance Test	1/17/95	1/30/95								
59	MTDB10.2 DEF System Test Results	1/16/95	1/30/95								
60	MTDB19 Control Maps & Recon	12/1/94	1/30/95								
61	MTDB Helpdesk Procedures	1/16/95	2/20/95								
62	MTDB Data Integrity	10/10/94	1/16/95								
63	MTDB Data Integrity AT	1/16/95	2/13/95								
64	MTDB38.2B IAT Train the Trainers	2/13/95	2/17/95								
65											
66											
67	MIDB Operations Readiness Checklist	1/23/95	1/30/95								
68	Hardware Procedures	1/23/95	1/30/95								
69	Operating Procedures	1/23/95	1/30/95								
70	Systems Management Procedures	1/23/95	1/30/95								
71	Change Management	1/23/95	1/30/95								
72	Problem Management	1/23/95	1/30/95								
73	Administrative Procedures	1/23/95	1/30/95								
74	Database Procedures	1/23/95	1/30/95								
75	Backup/Recovery Procedures	1/23/95	1/30/95								
76	Disaster Recovery Procedures	1/23/95	1/30/95								
77	Production Control Procedures	1/23/95	1/30/95								
78	Tape Library Procedures	1/23/95	1/30/95								
79	Data Extract Facility Procedures	1/23/95	1/30/95								
80											
81											

STATE OF MICHIGAN

MIDB Implementation Schedule

10/1/94

ID	Activity List	Start	Finish	October	November	December	January	February	March	April	May
82	EIS Rollout/Training	10/6/94	3/10/95	[Gantt bar from Oct 6 to Mar 10]							
83	MIDB3.2 EIS Complete	10/6/94	10/6/94	[Gantt bar]							
84	EIS Acceptance Testing	10/10/94	11/1/94	[Gantt bar]							
85	Pilot Rollout	10/24/94	11/11/94	[Gantt bar]							
86	Governor's Rollout	11/14/94	12/21/94		[Gantt bar]						
87	DMB Deputies Rollout	11/14/94	11/30/94		[Gantt bar]						
88	Cabinet Members Rollout	12/5/94	2/3/95			[Gantt bar]					
89	MAIN Management Committee Rollout	12/5/94	12/23/94			[Gantt bar]					
90	MAIN Steering Committee Rollout	1/3/95	2/23/95				[Gantt bar]				
91	Legislature/Judiciary (Legis does)	1/16/95	3/10/95				[Gantt bar]				
92											
93											
94	MAP Implementation	10/17/94	9/29/95	[Gantt bar from Oct 17 to Sep 29]							
95	MIDB51.2 MAP Complete	10/20/94	10/20/94	[Gantt bar]							
96	MAP Acceptance Testing	10/24/94	11/18/94	[Gantt bar]							
97	ATR Demo/Instruction	11/15/94	11/15/94		[Gantt bar]						
98	ASA Workshop Materials	10/17/94	11/18/94	[Gantt bar]							
99	MAP with ICC Integrated	11/1/94	11/28/94		[Gantt bar]						
100	MAP Regression/Acceptance Testing	11/18/94	12/2/94		[Gantt bar]						
101	MAP Distribution (AMRS)	12/5/94	12/9/94			[Gantt bar]					
102	ASA Workshop	12/7/94	12/14/94			[Gantt bar]					
103	Agency MAP Implementation	12/8/94	9/29/95				[Gantt bar]				
104											
105											
106											
107											
108											

STATE OF MICHIGAN

MIDB Implementation Schedule

10/1/94

ID	Activity List	Start	Finish	October	November	December	January	February	March	April	May
109	MIDB Implementation	1/16/95	9/29/95				[Gantt bar spanning from Jan to Sep]				
110	MTDB Complete	1/30/95	1/30/95				[Gantt bar]				
111	MTDB Acceptance Testing	1/16/95	3/3/95				[Gantt bar]				
112	QuickStart Skill Transfer	1/23/95	2/17/95				[Gantt bar]				
113	Agency Expert Users ID'd	1/23/95	2/17/95				[Gantt bar]				
114	CSA/ASA Additions for Expert Users	2/20/95	3/3/95				[Gantt bar]				
115	Agency MIDB Users ID'd	2/20/95	9/29/95				[Gantt bar]				
116	CSA/ASA Additions for MIDB Users	3/6/95	9/29/95				[Gantt bar]				
117	IAT01 for Expert Users	3/6/95	3/17/95				[Gantt bar]				
118	IAT03 for Expert Users	3/9/95	3/24/95				[Gantt bar]				
119	IAT01 for MIDB Users (post EU)	3/13/95	7/6/95				[Gantt bar]				
120	IAT03 for MIDB Users (post EU)	3/16/95	7/6/95				[Gantt bar]				

Form No. DMP-334A (Rev. 3/92)
 AUTHORITY: Ac: 431 of 1984
 COMPLETION: Required
 PENALTY: Failure to deliver in accordance with contract terms
 and conditions and this notice may be considered in default of
 contract

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909

November 14, 1994

CHANGE NOTICE NO. 7
 TO
 CONTRACT AGREEMENT NO. 071B4000144
 between Supercedes Contract No. 0144
 THE STATE OF MICHIGAN
 and

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. (56222) One Michigan Avenue P. O. Box 30116 Lansing, MI 48909		TELEPHONE (517) 377-3900
		FEDERAL I.D NUMBER 
		BUYER Unit 9 Billie Collins <i>BC</i>
COMMODITY #7099-0000 MICHIGAN ADMINISTRATIVE INFORMATION NETWORK (MAIN) TECHNOLOGY SERVICES DEPARTMENT OF MANAGEMENT AND BUDGET		BID LIST #9893
CONTRACT PERIOD 22 Months From: December 1, 1993		To: September 30, 1995
TERMS Net 30 Days	SHIPMENT As Required	
F.O.B. Delivered	SHIPPED FROM N/A	
MINIMUM DELIVERY REQUIREMENTS N/A		

CHANGE(S):

The attached Change Authorization Order numbers 20, 35 38 and 39 are hereby incorporated as part of the contract.

AUTHORITY/REASON: Agency request 10/26/94.

NOTE: New Contract Agreement Number due to conversion to the MAIN computer system.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 20

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

Overview: This Change Order is in response to the State of Michigan's requirements for Script and Report Storage functions to be made part of MIDB. The ClearAccess tool provides access to the MIDB via a Graphical User Interface (GUI) front-end. Automation of routine tasks is accomplished with the scripting function within ClearAccess. The scripting function creates Scripts that can be run at a later date to connect, retrieve, and format data. Specifically, this Change Order provides for the implementation of ClearManager to manage multiple user machines and allow multiple users to create and share Scripts and Reports, both intra and inter-agency. The State has requested functional modifications to ClearManager to facilitate the use of the Scripts and Reports, and the ClearManager program. These modifications need to be integrated with other functions of MIDB which include MAP and the Security Server. They also need to be integrated with other functions of the Oracle database.

Requirements

The State requires a solution that will allow users to:

1. Create Scripts and store them locally.
2. Submit local Scripts for entry into libraries of Scripts. These libraries can be defined by any number of criteria, including: agency, work location, field of work, project group, etc.
3. Search, view, and download Scripts for local execution and/or modification.
4. Enforce security based on user ID and user groups.

Features/Functions

Based on the requirements listed above, the specific features/functions to be provided are:

1. End users may modify only their own Scripts.
2. Only ClearManager Administrators can upload to either the agency library or the State library.
3. Security will be enforced at the Agency level with Administrators and users able to access only those Agencies for which they have been given explicit access.
4. The concept of user groups and membership in groups will be supported. In addition, Scripts can be managed, stored, and retrieved using the group construct. Creation of groups and placement of users into groups will be done by the ClearManager Administrator.
5. Users can explicitly 'connect' to a file server, or specify where to go for Scripts and Reports over the network.
6. Scripts/Reports can have names with up to 100 characters.
7. Keywords can be assigned to each Script/Report to facilitate searching.
8. Users can search for Scripts by either title or keyword.
9. Users can allow other users to access locally stored Scripts/Reports via a file server or library.

In order to provide the functions listed above, each user will have a ClearManager enabled version of ClearAccess and Agency Administrators will have the ClearManager program. The ClearManager application is available only for Windows based workstations. ClearManager enabled versions of ClearAccess are available for both Windows and Macintosh workstations.

Modifications to ClearManager: The commercially available version of ClearManager does not contain some of the features required by the State of Michigan. Specifically, the functions described in the Feature/Function section of this document are not currently part of the ClearManager program. As part of this change order, ISSC will

modify the ClearManager program to add the functionality described in the Feature/Function section of this document.

Modifications to MAP: To support the installation and verification of ClearManager, the MAP program will require modifications. The Security Profile will indicate if the user has access to the ClearManager application. As a result, MAP will present the user with an icon and menu choice for launching ClearManager. If selected, MAP will launch the program and connect to the MIDB, providing the necessary user IDs and passwords. Access to the ClearManager application will not be dependent on the user being an Agency Security Administrator (ASA). Rather, any user, if authorized by the ASA, can use the facilities of ClearManager.

Security Server: No structural modifications will be necessary. The ClearManager application will be handled as any other application. However, information needed to launch ClearManager will be added to the user profile database.

Project Management: As part of the solution, we will manage the modifications to ClearManager to ensure the required modifications are made successfully. ISSC will coordinate the testing, installation, documentation, operational considerations and training to ensure the final product meets the State's requirements.

Planning and Operations: Tables must be planned and created in the Oracle database to store user-generated Scripts and Reports. Capacity planning will be required to estimate necessary disk space. Newly created tables will require management on a routine basis. The new tables must be backed up, restored (if necessary), tuned, and the administration of these tables incorporated into other routine database procedures. Procedures for the backup and recovery of local/server libraries and Oracle libraries will be developed. Additionally, the tables will need to be tuned to insure optimum performance.

Testing: Prior to testing ClearManager modifications, a Test plan will be developed. It will be necessary to implement and test ClearManager in an environment that simulates that of the end user. This will require the implementation of an environment that is LAN-attached, with multiple user machines and multiple servers. It will be necessary for this LAN to be attached to the MAIN backbone so that connectivity and communication to the MIDB can be tested as well. In order to fully test ClearManager, it will be necessary for the Oracle Database Administrator (DBA) to create the required tables for

ClearManager. Testing will require using ClearAccess and ClearManager to allow features of both applications to be exercised concurrently. Testing will include a full test of the security and group features.

Procedures: Procedures to manage the installation, configuration, and use of ClearManager will be developed.

Training: IAT training courses will be amended to include the new functions resulting in Script and Report Storage modifications, specifically Scripts and Report Storage functions. A workshop will be developed for ClearManager Administrators to instruct them on all aspects of ClearManager. Two workshops will be conducted for all Administrators.

B. Deliverables

As part of this change order, the following deliverables will be supplied:

1. Modifications to the ClearManager product pursuant to the descriptions in this change order, supplied on 3.5" diskettes for the Windows operating environment only.
2. Modifications to the MAP application pursuant to the descriptions in this change order, delivered on 3.5" diskettes for the Windows operating environment only.
3. Additional documentation to the IAT training course to cover Script and Report Storage will be provided in hard copy format and in soft copy format (Microsoft Word).
4. New documentation for the ClearManager Administrator's workshop will be provided in hard copy format and in soft copy format (Microsoft Word).
5. The documentation of procedures necessary to install, configure, and use ClearManager will be provided in hard copy format and in soft copy format (Microsoft Word).
6. Modifications to the MIDB Operating procedures for backup, recovery, and maintenance of the ClearManager required database.

C. Costs

The services for the Script and Report Storage Facility have a fixed price of \$83,775 for the following items according to Change Order Labor Rates.

ClearManager Modifications:			\$ 11,700
MAP Modifications:	335 hours	\$ 75.00	\$ 25,125
Security Server Modifications:	16 hours	\$ 85.00	\$ 1,360
Project Management:	50 hours	\$150.00	\$ 7,500
Planning & Operations:	100 hours	\$ 85.00	\$ 8,500
Testing:	200 hours	\$ 85.00	\$ 17,000
Procedures Development	50 hours	\$ 75.00	\$ 3,750
Training:	<u>104 hours</u>	\$ 85.00	<u>\$ 8,840</u>
TOTAL	855 hours		\$ 83,775

The above described costs are for services-only related to the software modifications specified within this Change Order. For the State's requirements to be fully met, the Clear Manager product must be running on the System Administrator's workstation(s) and the ClearAccess enabled for ClearManager product must be running on the user's workstation(s). The license fees associated with the ClearManager product will be provided to the State by ISSC under Change Order 41. The license fees for the ClearAccess enabled for ClearManager product is documented in the State of Michigan - ISSC base technology contract 0144, the maintenance fees for this product will be included in Change Order 41. This will allow for the State to segregate unique service costs from standard product license fee costs.

D. Schedule

Modifications to ClearManager and effected MIDB tools will begin upon acceptance of this change order and will be completed in 12 weeks.

<u>Date</u>	<u>Task</u>
8 weeks	Modifications to ClearManager product
1 week	Security Server Modifications
4 weeks	MAP Modifications
3 weeks	Documentation & Training development
1 week	Procedures development
4 weeks	Installation and testing
<hr/>	
12 weeks	Overall

E. State Responsibilities

The State is responsible for:

1. Reviewing all aspects of the Script and Report Storage modifications.
2. Performing an acceptance test on the ClearManager modifications.
3. Identifying ClearManager Administrators.
4. Reviewing procedures.
5. Purchasing upgrade of ClearAccess software to ClearManager enabled version.
6. Purchasing ClearManager software.

F. Terms and Conditions

ClearAccess will develop the necessary modifications to their software and will be the owner of these modifications. The terms and conditions of the ClearAccess License Agreement, Attachment 1 hereto, shall apply to the State of Michigan as the licensee of the ClearManager software. ISSC, as the State's purchasing agent for this software, has already negotiated a right of access to use the software for the sole benefit of the State in order to perform the work covered by this Change Order Number 20.

The ClearManager features described in this change order will be added for the State of Michigan. These features will be supported and updated as regular feature set within the ClearManager product and will be governed in accordance with the ClearAccess/Knowledgeware standard support agreement which governs such software.

III. State Authorization

Check One:

_____ This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

X This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

Attachment 1: ClearAccess Licensing Agreement

Integrated Systems Solutions Corporation

By: *Vicki L. Eisler*
Title: ISSC PM
Date: 10/28/94

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: *Michael Adams*
Title: Mgr Info. Tech
Date: _____

ATTACHMENT 1

License Agreement

1. **License Grant.** ClearAccess Corp. (referred to as Licensor) hereby grants to ISSC (referred to as Licensee), and Licensee hereby accepts, a non-exclusive, non-transferable license to use Licensor's computer software known as:

A) ClearAccess & ClearReports & ClearManager,

which software, embedded on the Program Diskettes delivered pursuant hereto in the object-code-only form (collectively referred to as the Software), and the accompanying User Documentation (Documentation), only on computers owned, leased, or otherwise controlled by Licensee at the site or sites (the Sites) designated from time to time in writing by Licensee. Licensee shall have the right to acquire multiple copies of the Software and Documentation, or may duplicate the Software and Documentation in accordance herewith, provided that Licensee pays all license fees as stated in Exhibit A which is hereby incorporated by reference and which fees are payable hereunder for such acquired or duplicated copies in accordance with the Pricing and Support Schedule, Exhibit A. All such copies of the Software or the Documentation duplicated in accordance with this License Agreement shall include Licensor's copyright and other proprietary notices.

2. **Licensor's Rights.** Licensee acknowledges and agrees that the Software and Documentation consists of proprietary, unpublished products of Licensor, protected under US. Copyright law and trade secret laws of general applicability. Licensee further acknowledges and agrees that all right, title, and interest in and to the Software and Documentation and all intellectual property rights incidental thereto are and shall remain with Licensor. Licensee shall not (i) allow anyone to use the Software at any place other than the Sites; (ii) decode, decompile, modify, merge, translate or otherwise alter the Software or Documentation in any form; (iii) reproduce or duplicate copies of the Software and /or Documentation in excess of the 100 copies for which it is paying fees hereunder (see Exhibit A); and (iv) transfer, resell or grant any other rights in and to any part of the Software or Documentation to any other individual or party. This License Agreement does not convey to Licensee an interest in or to the Software, but only a limited right to use revocable in accordance with the terms of this License Agreement.

3. **License Fees and Other Obligations.** Licensee agrees to pay Licensor the license fees set forth on the Pricing and Support Schedule, Exhibit A, and agrees to fulfill any other obligations described in that Schedule.

Proposal for ISSC

4. Term. This License Agreement is effective upon the execution hereof and shall continue until terminated in accordance herewith. Licensee may terminate this License Agreement at any time by returning the Software and all copies thereof and extracts therefrom in its possession or under its custody or control to Licensor. Licensor may terminate this License Agreement by written notice or upon the breach by Licensee of any term hereof. Upon such termination by Licensor, Licensee agrees to return to Licensor the Software and all copies and portions thereof in its possession or under its custody or control, together with any Documentation furnished by Licensor and all copies thereof.

5. Limited Warranty. Licensor warrants, to the benefit of Licensee alone, that the Program Diskettes in which the computer software is embedded and the Documentation shall, for a period of 90 days from the date of commencement of this License Agreement (referred to as the Warranty Period), be free from defects in material and workmanship. Licensor further warrants, for the benefit of Licensee alone, that during the Warranty Period the ClearAccess Software shall operate substantially in accordance with the functional specifications given in the User Manual for ClearAccess.

Licensee agrees that the foregoing constitutes Licensee's sole and exclusive remedy for breach by Licensor of any warranties made under this Agreement. EXCEPT FOR THE WARRANTIES SET FORTH ABOVE, THE PROGRAM, AND THE SOFTWARE CONTAINED THEREIN, ARE LICENSED "AS IS," AND LICENSOR DISCLAIMS ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING (WITHOUT LIMITATION) ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

6. Limitation of Liability. Licensor's cumulative liability to Licensee for any loss or damages resulting from any claims, demands, or actions arising out of or relating to this Agreement shall not exceed the license fee paid to Licensor for the use of the Software. In no event shall Licensor be liable for any indirect, incidental, consequential, special, or exemplary damages or lost profits, even if Licensor has been advised of the possibility of such damages.

7. Trademark. ClearAccess™ is a trademark of Licensor. No right, license, or interest to such trademark are granted hereunder, and Licensee agrees that no such right, license, or interest shall be asserted by Licensee with respect to such trademark.

8. Governing Law. This License Agreement shall be construed and governed in accordance with the laws of the State of Iowa.

Proposal for ISSC

9. **Severability.** Should any term of this License Agreement be declared void or unenforceable by any court of competent jurisdiction, such declaration shall have no effect on the remaining terms hereof.

10. **No Waiver.** The failure of either party to enforce any rights granted hereunder or to take action against the other party in the event of any breach hereunder shall not be deemed a waiver by that party as to subsequent enforcement of rights or subsequent actions in the event of future breaches.

11. **Assignment.** Licensee agrees that Licensee will not assign, sub license, transfer, pledge, lease, rent or share its rights under this License Agreement.

12. **Additional Warranties of Licensor.** Notwithstanding any section of any and all other agreements, contracts, licenses or documents which is or are at variance or in conflict herewith, Licensor warrants that Licensor has all right title and interest in and to any and all software and documentation provided by Licensor hereunder or has the right to market the same; and Licensor warrants further that the intellectual property rights of any entity not a party to this agreement, including without limit or limitation copyrights, patents, trade secrets or information protected by contractually imposed disclosure or use restrictions, are not and shall not be infringed or otherwise violated by Licensor performance hereunder. Notwithstanding any term or condition of this Agreement or any other document or agreement between the parties to the contrary.

ClearAccess Corporation

ISSC, State of Michigan Main Project

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 35

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

This change order is an extension of change order 18 which authorized ISSC to implement the Printer Project. Specifically ISSC is authorized to utilize the following resources:

Project Manager (Templeton)	FTE 10/31
Printer Implementation Coordinator (Kelly)	FTE 10/14
Printer Implementation Coordinator (Owen)	FTE 8/17 to 10/1
Printer Implementation Coordinator (Ackley)	FTE 8/30 to 10/1
Printer Implementation Coordinator (Krueger)	Part Time 9/5 to 10/1
RMDS Implementation Specialist (Mizak)	Part Time 8/30 to 10/1
RMDS Training Specialist (Billinger)	Part Time 9/8 to 9/16

The focus of these individuals will be to:

- 1) Establish MAIN FACS remote printing capability and to test such capability within each MAIN Net connected agency;
- 2) Establish MAIN FACS remote printing through the Purch Network;
- 3) Establish central printing capability with the Department of Treasury OICS;
- 4) Set up and implement infrastructure to support imprest cash printing;
- 5) Set up RMDS to support the decolation of RMDS reports and the use of SMS to manage DASD usage;
- 6) Create end-user training materials for RMDS;

- 7) Train the Help Desk and Network Control Center on support of the printer network;
- 8) Turn over the process for implementing printers to State personnel.

A. Scope

ISSC will continue the work on the above tasks. ISSC will report weekly on progress against plan. ISSC and the State will monitor progress of the team through the Printer Steering Committee.

B. Deliverables

Bi-Weekly Status Reports

C. Costs

Printer Plan Project Manager	\$ 150.00 / hour
Printer Implementation Coordinator	\$ 85.00 / hour
RMDS Implementation Specialist	\$ 85.00 / hour
RMDS Training Specialist	\$ 85.00 / hour

The above costs include all travel and living.

This change order represents the staffing level requested by the State of ISSC which has a number of hours worked to meet the above tasks.

This change order authorizes ISSC to bill up to \$75,000 beyond the original authorization. ISSC will bill each month for the hours expended on this change order.

D. Schedule

Please refer to the schedule in Change Order 18.

E. Assumptions

- 1) The State will facilitate the establishment of the Treasury as a central print location.
- 2) The State will identify an individual to act as a printer implementation coordinator and this coordinator will be made available for training on the printer implementation process.
- 3) The State will facilitate the testing of printers in the production environment.
- 4) The State will help ISSC work with agencies to ensure successful printer implementation by 10/1.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 38

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

Provide assistance to agencies within the State of Michigan with the installation, configuration, and verification of MIDB software. Assistance will be provided on a first-come basis. Assistance will be provided on FTP PC/TCP, CTCBridge for Windows or Macintosh, Intercon Connect II, ClearAccess for Windows or Macintosh, Oracle SQL*Net for Windows or Macintosh, MAP software, Pilot Lightship/Lens and Pilot Command Center Plus.

B. Deliverables

Bi-weekly status reports summarizing the assistance given will be provided.

C. Costs

The services for this software installation assistance have a fixed price of \$15,600. Assistance will be provided for 20 hours a week for the period of 13 weeks at \$60.00 per hour, according to Change Order Labor Rates.

Software Installation assistance 260 hours X \$ 60.00 = \$ 15,600

ISSC will invoice the State \$5,200 for each of the 3 months of assistance.

D. Schedule

This change order covers the period of November 1, 1994 to January 31, 1995.

E. State Responsibilities

The State is responsible for the purchase or development of all workstation software to be installed.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

None.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 039

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope of work

Provide assistance to Project MAIN staff and central control agency management in verification of system requirements, development of report reconciliation procedures, and other assignments as needed.

Work will be performed by Robert Potter under the direction of Linda Pigue, Manager, MAIN FACS.

B. Deliverables

Work results will be documented in biweekly status reports.

C. Costs

Work will be performed for an hourly rate of \$60 per hour not to exceed 60 hours per week for 12 weeks, beginning on October 12, 1994 and ending on December 31, 1994. Total cost not to exceed \$43,200.

D. Schedule

Work will begin on October 12, 1994 and be completed on December 31, 1994.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

NONE.

Integrated Systems Solutions Corporation

By: *Vicki L. Ewald*
Title: ISSC, PM
Date: 10/22/94

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: *Michael A. ...*
Title: Mgr. Info. Tech.
Date: _____

Form No. DMB 234A (Rev. 3/92)
 AUTHORITY: Act 431 of 1984
 COMPLETION: Required
 PENALTY: Failure to deliver in accordance with contract terms
 and conditions and this notice may be considered in default of
 contract

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909

October 3, 1994

CHANGE NOTICE NO. 6
 TO
 CONTRACT AGREEMENT NO. 0144
 between
 THE STATE OF MICHIGAN
 and

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. (56222) One Michigan Avenue P. O. Box 30116 Lansing, MI 48909	TELEPHONE (517) 377-3900
	FEDERAL I.D. NUMBER [REDACTED]
	BUYER Unit 9 Billie Collins <i>BC</i>
COMMODITY #7099-0000 BID LIST #9893 MICHIGAN ADMINISTRATIVE INFORMATION NETWORK (MAIN) TECHNOLOGY SERVICES DEPARTMENT OF MANAGEMENT AND BUDGET	
CONTRACT PERIOD 22 Months From: December 1, 1993 To: September 30, 1995	
TERMS Net 30 Days	SHIPMENT As Required
F.O.B. Delivered	SHIPPED FROM N/A
MINIMUM DELIVERY REQUIREMENTS N/A	

CHANGE(S):

The attached Change Authorization Order numbers 13, 14, 19, 27, 32, 33, 34 and 36 are hereby incorporated as part of the contract.

AUTHORITY/REASON: Agency request 9/8/94 and 9/28/94.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 013

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope of work

Provide assistance to Project MAIN staff and central control agency management in planning, developing and documenting administrative practices necessary for the implementation of MAIN FACS. This will provide information to operating agencies in a more expeditious manner. Specific conversion and implementation tasks include assisting with: development of transaction codes, development of document tracking and approval paths, development of methodology to be used for conversion and reconciliation of account balances, planning for year-end cutoff, reports and forms analysis, etc.

Work will be performed by Lynn Boyd under the direction of Linda Pigue, Manager, MAIN FACS Section.

B. Deliverables

Work results will be documented in biweekly status reports that will not only define progress for the current period but will set out a schedule for specific activities to be completed in the subsequent biweekly period.

C. Costs

Work will be performed for an hourly rate of \$85 per hour, 60 hours per week for 10 weeks, work to begin on June 27, 1994 and to end on September 3, 1994. Total cost not to exceed \$51,000.

Should unforeseen circumstances arise, the minimum term of this change will be 180 hours. The State will be invoiced monthly based upon actual hours worked or the minimum of 180 hours if work is terminated prior to 180 hours of actual work.

D. Schedule

Work will begin on June 27, 1994 and be completed on September 3, 1994.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 014

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope of work

Provide assistance to Project MAIN staff and central control agency management in planning, developing, executing and documenting acceptance testing of MAIN FACS.

Work will be performed by Mark Rader under the direction of Linda Pigue, Manager, MAIN FACS Section.

B. Deliverables

Work results will be documented in biweekly status reports that will not only define progress for the current period but will set out a schedule for specific activities to be completed in the subsequent biweekly period.

C. Costs

Work will be performed for an hourly rate of \$96 per hour, 40 hours per week for 30 weeks, work to begin on June 9, 1994 and to end on December 31, 1994. Total cost not to exceed \$115,200.

D. Schedule

Work will begin on June 9, 1994 and be completed on December 31, 1994.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

NONE.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 19

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

ISSC will order, receive, install, configure and integrate 96 additional gigabytes of HP disk for the MIDB. The new disk space will be protected via a UPS that maintains power for a minimum of 15 minutes via battery back-up.

B. Deliverables

Deliverables will be 1) 96 gigabytes of HP Disk, associated HP adapters, racks, and cables, and one year of maintenance for the HP equipment. 2) A Deltec UPS to support this disk space configuration and 5 years of maintenance.

C. Costs

Configuration and Services for 96 Additional Gigabytes of HP Disk:

<u>Item</u>	<u>Price</u>
3 Racks	\$ 5,832.96
Rack Expansions	\$ 8,332.80
12 Disk Arrays (8 GB each)	\$ 219,033.60
3 SCSI Adapters	\$ 3,083.14
Cables	\$ 95.23
Installation Support	\$ 4,680.42
Maintenance (1 year)	\$ 7,494.76
 Total for DASD	 \$ 248,552.91
 Deltec UPS	 \$ 9,525.00
Shipping & Handling	\$ 2,000.00 ESTIMATE*
 TOTAL	 \$ 260,077.91

* ISSC will include copies of the shipping invoices that show actual shipping and handling costs upon invoicing the State for this change order.

D. Schedule

The HP DASD and UPS will be ordered, received, installed, and configured no later than September 30, 1994.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

None.

Integrated Systems Solutions Corporation

By: Richard Eiseh
Title: ISSC - PM
Date: Sept 9, 1994

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 27

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

The MAIN Technology RFP requested ISSC to provide production control methodologies and services to support the implementation of the MAIN application software (R*STARS, ADPICS, & BPREP).

Migration services were to be provided for these applications between Development, Education, Acceptance Test, Interface and Production environments. The objective of this change order is to authorize ISSC to provide extended migration support services.

B. Deliverables

- a) There are no additional deliverables for this change order.

C. Costs

The following costs are per week for as long as coverage is required.

1) One DBA	40 Hrs at \$85	\$3,400
2) One Production Control	40 Hrs at \$85	\$3,400
3) CICS Support	10 Hrs at \$96	\$ 960
4) Project Management	10 Hrs at \$150	\$1,500
Total Weekly Cost		\$9,260

The following are the folks executing in these positions but are not depicted to connote key individuals.

DBA	Horace Brice	Corky Fransen
Production Control	MariAnn Wiley	Larry Casa
CICS Support	Norm Johnston	Brad Pepper
Project Management	Pat McCarthy	Angela Swilpa

D. Schedule

This extended coverage is to provide migration services that can react 24 hours per day, seven days a week. This service will begin August 1, 1994 and execute through December 4, 1994. The service may be discontinued or extended beyond December 4, 1994 on two weeks' written notice from the State.

III. State Authorization

Check One:

- This order shall be performed for the benefit of Department of Management and Budget (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name

directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

_____ This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

Integrated Systems Solutions Corporation

By: *AM* for W2 Backlog
Title: Outsourcing Contractor Representative, ISSC
Date: 15 Sep 94

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: *Michael A. ...*
Title: Mgr Info Tech
Date: 10/4/94

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 32

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

Description of Change

A. Scope

Integration of the ICC product from DCA into the MIDB Windows version of MAP. This product will provide the State with an alternative emulator to the Core Technology product of CTC Bridge. MAP will launch this terminal emulator for access to the Unisys system, primarily HRS. MAP will provide the log-in impersonation.

B. Deliverables

Deliverables for this change order are a new version of the MIDB MAP software for Windows that supports ICC.

C. Costs

Fixed price of \$26,304 with the cost calculated from the change order labor rates as below.

Resource Type	Hours	Rate	Cost
Analyst	34	\$96.00	\$3,264.00
Programmer	96	\$75.00	\$7,200.00
Jr. Programmer	264	\$60.00	\$15,840.00
Total	394		\$26,304.00

D. Schedule

The new version of MAP that supports the ICC product will be delivered to the State on 11/28/94.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

None.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 33

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

1. Introduction

The purpose of this change order is to authorize ISSC to extend the TPNS Testing Service Change Order (change order 26) for two weeks, ending September 23, 1994. During this two week time frame, ISSC will continue to develop and test the following:

1. TPNS Test Scripts will be developed and tested for a total of 9 most used transactions. These test scripts will be used for the performance test. The nine transactions are:

For ADPICS:

- Entering a requisition
- Inquiring about a requisition
- Invitation to bid
- Bid Award
- Voucher

For R★STARS:

- Revenue
- Payment
- Accounting Event Inquiry
- General Ledger Inquiry

2. Develop and test scripts for “navigation” for both the ADPICS and the R★STARS applications. These scripts may be used by the State for regression testing.

3. Train up to three staff in script development and run execution.

4. Run performance tests for 500 - 100 simulated users. The nine scripts developed above for R★STARS and ADPICS will be used for this test.

2. Assumptions

The above work requires that the State of Michigan fulfills all of its original responsibilities described in change order 26 including:

- Provide the right resource to assist ISSC by providing detailed test scenarios for the transactions to be scripted, and to assist ISSC in understanding the business flow for the transactions.
- Provide all needed test IDs and test environment setup which included correct ID class, authorization and profiling.
- Provide test database setup and restore.
- Provide staff to learn script development and maintenance of test scripts.
- Resolve all application problems identified by the test team within 24 hours.

3. ISSC Responsibilities

ISSC will be performing these services with two testers. During the first week of the extension, one of our testers will be working off site while the other remains on site in Lansing.

B. Deliverables

The following will be delivered to the State of Michigan under this change order:

- a) A documented Test Plan for the R★STARS & ADPICS applications;
- b) Installation and customization of a set of productivity tools, referred to as the TPNS Test Manager, written in REXX code and ISPF panels and messages;
- c) Documentation to support the installation, customization and use of the TPNS Test Manager;
- d) The TPNS test scripts used in the test;
- e) TPNS summary response time reports from the tests performed during this Project.

C. Costs

TPNS Quick Start extension	\$24,130
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D. Schedule

The TPNS Quick Start Extension is currently scheduled to begin 9/12/94 and to conclude 9/23/94.

III. State Authorization

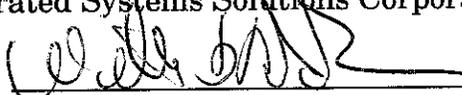
Check One:

This order shall be performed for the benefit of Department of Management and Budget (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

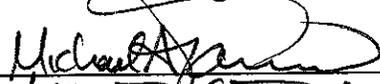
Integrated Systems Solutions Corporation

By: 
Title: Outsourcing Contractor Representative, ISSC
Date: 9/9/94

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: 
Title: Mgr Info Tech
Date: 10/4/94

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services

Contract Number 0144

Change Authorization Order Number 34

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

A. Scope

Provide an OS/2 Server configuration to support the Newsedge application as specified in the Letter from Desktop Data, Inc. to Tony Grimaldi, dated 9/13/94 included as attachment #1.

The services to be performed under this change order are to result in an OS/2 server connected to MAIN-Net. This includes installation, configuration, and verification of operations so that the installation of Newsedge can proceed.

The tasks to be performed are:

- 1) Unpack, install, configure, and verify a PS/2 server.
- 2) Load, configure, and verify OS/2 operating system.
- 3) Attach PS/2 Server to MAIN-Net.
- 4) Load, configure, and verify PC/TCP for OS/2.

Included is one year of maintenance for the IBM 9595 server.

B. Deliverables

Deliverables for this change order are an installed and verified OS/2 server configuration. See cost section below for itemized list of equipment and software that will be delivered to the State.

C. Costs

The total cost for this change order is \$19,221.73. This cost has three components: OS/2 server configuration, installation services, and 1 year of maintenance on the IBM 9595.

The fixed cost of the OS/2 server configuration is \$16,377.73. This cost includes the following items and the shipping and handling to have these items delivered to Project Main in an expedited manner.

<u>Item</u>	<u>Quantity</u>
IBM 9595 OPT Pentium 60	1
IBM 16 MB Memory Kit	2
IBM 2 GB SCSI Hard Drives	2
IBM SCSI Cable	1
IBM SCSI Trays	2
IBM 14V Color Monitor	1
IBM Mouse	1
3COM 3C523 Network Card	1
Digiboard MC2/8i Intelligent Serial Card	1
Digi 8 port DB25 I/O Cable	1
APC Smart UPS	1
IBM OS/2 2.1.1	1
FTP PC/TCP for OS/2 V1.3	1
FTP PC/TCP for OS/2 - 1 year Maintenance	

The services for the installation and configuration of the OS/2 Server have a fixed price of \$1,560 for the following items according to Change Order Labor Rates.

Technical installation	16 hours	\$ 60.00	\$ 960
Project Management	<u>4 hours</u>	\$150.00	<u>\$ 600</u>
TOTAL	20 hours		\$ 1,560

Maintenance: 1 year of IBM support and maintenance on the IBM 9595 is \$1,284.00

D. Schedule

The target for the completion of the installation of the server is October 3, 1994 based on the availability of the hardware components.

E. State Responsibilities

The State is responsible for the Newsedge product and services.

III. State Authorization

Check One:

This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

#1: Desktop Data, Inc. letter to Tony Grimaldi dated 9/13/94.

DESKTOP DATA, INC.

September 13, 1994

Mr. Tony Grimaldi
The State of Michigan, Department of Management and Budget
Project Main
Knapps Office Centre, Lower Level
Lansing, MI 48909

1601 Trapelo Road
Waltham, MA 02154
Tel: (617) 672-2400
Fax: (617) 890-1565

Dear Tony,

It was a pleasure speaking with you yesterday about your NewsEDGE[®] installation. I'd like to take this opportunity to recap and confirm some of the major points concerning your particular installation of our NewsEDGE/LAN for Windows and NewsEDGE/LAN for Macintosh products.

◆ **News Services**

Your subscription to NewsEDGE will include the Knight Ridder Tribune Newspapers, the USA Today, the LA Times/Washington Post, the Federal Register, the Gannett News, and DowVision package via satellite broadcast. The DowVision feed will require its own satellite receiver. The site survey and installation of your satellite dish and two satellite receivers will be completed by a representative from Mainstream Data in the next week.

Your subscription to NewsEDGE will also include the Associated Press Michigan State Wire delivered via leased line. Once the contracts are signed, the leased line will be ordered by AP from your local phone company. Once the circuit is in, The State of Michigan will be responsible for completing any in house wiring, before the Associated Press technician is sent on-site to install the AP modem. From the day the line is ordered, it normally takes 4-6 weeks to be installed. The AP modem is a 5" wide, 7" deep, 2" high modem transmitting at 9600 baud.

◆ **Hardware**

The State of Michigan will be using an IBM Model 95 for the NewsEDGE server. As discussed, the configuration should include:

IBM 95/95 OPT Pentium 60	(to be ordered and configured by State)
48 MB RAM	(to be ordered and configured by State)
(2) 2GB SCSI hard drives	(to be ordered and configured by State)
IBM OS/2 2.11	(to be ordered and loaded by State)
Etherstream network card (3COM 3C523 network card suggested)	(to be ordered and installed by State)
FTP's PC/TCP v1.3 for OS/2	(to be ordered and loaded by State)
Digiboard MC2/8i intelligent serial card mfr. part # 77000165	(to be ordered and installed by State)
Digi 8 Port dB25 I/O cable mfr. part # 76000012	(to be ordered and installed by State)
NewsEDGE/LAN for Windows	(to be provided and loaded by DDI)
NewsEDGE/LAN for Macintosh	(to be provided and loaded by DDI)

The State of Michigan will run NewsEDGE on a TCP/IP network. To insure a smooth installation, please have an active network connection available on your network, the IBM OS/2 software, version 2.11, fully loaded on the NewsEDGE server, FTP Inc's PC/TCP software fully loaded on the NewsEDGE server, and your Mac and Windows clients 100% operational *before* the NewsEDGE installation date.

The OS/2 software must be loaded in HPFS format and your machine should have 3 partitions. The first should be "C" and have 150MB. The second partition, "D" can house the remaining space on that same 2 GB SCSI drive. The third partition, "E" should be the remaining 2GB drive. In the config.sys file for OS/2, please make sure "PROTECT ONLY = NO". Please make sure that all drives are formatted *prior* to the NewsEDGE installation date.

Page Two

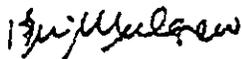
Mr. Tony Grimaldi
The State of Michigan, Department of Management and Budget
Project Main
Knapps Office Centre, Lower Level
Lansing, MI 48909

- ◆ **Installation**
Once your IBM 95 is up and running on your network and the Mainstream installation is complete, we will schedule a NewsEDGE field support engineer to spend 2 days on-site. The field engineer will load the NewsEDGE server software, confirm that your news wires are being received at the server, install your client software, and provide administrator and initial end user training.

Our targeted dates for the NewsEDGE installation are September 28 & 29. The confirmed date of the installation will depend on the arrival of your hardware. Please be sure to keep me posted on the arrival date so that we can confirm your installation dates.

Please call us if you have any questions concerning the above installation schedule and information. Once again, this process is meant to streamline the events leading up to your NewsEDGE installation. You are already a valued customer and we want to do everything we can to have a successful installation and build a strong working relationship. Please feel free to call me with any installations related questions at 1-800-252-9980, dial 2 for Installations. You are also welcome to call our Customer Support Hotline with any technical questions at 1-800-252-9980, dial 1 for Customer Support.

Sincerely,



Kristin Mulgrew
Installations Coordinator

Lisa Stenson
Installations Coordinator

cc: Roger Hurd, Desktop Data, Inc.
Phil Puccia, Desktop Data, Inc.
Mitchell Lederer, Desktop Data, Inc.
Claire Smith, Desktop Data, Inc.
Bill Reich, Desktop Data, Inc.

DESKTOP DATA, INC.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services
Contract Number 0144
Change Authorization Order Number 36

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

Provide a "hot-spare" UniGate/TCP system which can be rapidly swapped for one of the existing two UniGate/TCP systems in the event of a hardware failure.

A. Scope

ISSC will deliver a backup UniGate/TCP System on an IBM ValuePoint personal computer with a 60MHz Pentium Processor, and configure it to be a "hot spare" for either of the two existing UniGate/TCP systems. ISSC will work with the UniGate/TCP vendor to have the ValuePoint P60 system tested and certified with the UniGate/TCP software.

Once the new faster PC is certified, it will replace one of the existing UniGate PCs to operate in production. The existing PCs are 486DX-66MHz processors and operate slower than the P60. The slower PC would then be used as the "hot-spare" in the event of a hardware failure.

This change order is to provide a spare UniGate only, and not for an additional license of the UniGate/TCP system. If the State chooses to use the spare

UniGate as a third production UniGate system, license fees must be paid to DSI Carlisle.

B. Deliverables

ISSC will deliver the following hardware items, install the UniGate/TCP hardware and software items, and perform a certification test on the platform.

When the UniGate PC arrives in Lansing, the NCC will configure it as one of the existing UniGates, (either the inbound or the outbound) and replace that unit. The displaced unit will become the "hot spare"

The NCC will install the UniGate/TCP configuration files for both the inbound and outbound UniGates on the "hot spare" and write a configuration startup process allowing an operator to quickly configure the spare unit as either the inbound or the outbound UniGate.

The following hardware items will be delivered as part of this Change Authorization.

Model / PN	Description	Notes	Qty
UniGate/TCP Spare			
6484-183	IBM Valuepoint Model P60 with 60MHz Pentium Processor.	3.5" 1.44MB diskette, 8MB RAM, 527MB hf,	1
92G7202	8 MB Memory Expansion	Total Memory = 16MB	1
C1-COMBO	Ethernet COMBO Card		1
8504-001	12 inch Monochrome Monitor		1
DSI SCSI	SCSI Adapter for UniGate		1

Note: This cost does not include the extra Unisys DLP SCSI Channel. This will be purchased by OICS and inter-account billed to Project MAIN separately.

C. Costs

Hardware Costs:

Model / PN	Description	Qty	Unit Price	Total Price
UniGate/TCP Spare				
6484-183	IBM Valuepoint Model P60 Pentium 60MHz	1	\$ 3,690.00	\$ 3,690.00
92G7202	8 MB Memory Expansion	1	\$ 645.05	\$ 645.00
C1-COMBO	Ethernet COMBO Card	1	\$ 214.00	\$ 214.00
8504-001	12 inch Monochrome Monitor	1	\$ 266.00	\$ 266.00
DSI SCSI	SCSI Adapter for UniGate	1	\$ 3,210.00	\$ 3,210.00
Subtotal: UniGate/TCP Spare				\$ 8,025.00

Labor Costs:

- Certification Testing by UniGate/TCP Vendor \$ 0.
- Equipment installation and change implementation \$ 0.
- (to be performed by the NCC)

D. Schedule

The estimated implementation schedule is as follows:

Ten business days	ordering and delivery of equipment
Five business days	certification of equipment
Two business days	configuration and installation of equipment, to occur during a change window.

III. State Authorization

Check One:

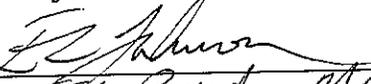
_____ This order shall be performed for the benefit of **** AGENCY NAME GOES HERE **** (the "Authorizing Agency") and all amounts to be paid to ISSC pursuant to this order shall be paid solely from funds available to the Authorizing Agency. ISSC hereby acknowledges that the Authorizing Agency is a Party to the Contract solely with respect to this Order and shall have the right to enforce the terms and conditions of this Order and the Contract (insofar as they apply to this Order) in its own name directly against ISSC. This order is not valid

until signed by an authorized representative of the Authorizing agency and by the Purchasing Director.

X This Order shall be performed for the benefit of the DMB and is not valid until signed by the Purchasing Director.

IV. Attachments

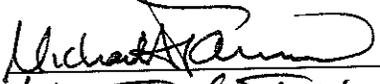
Integrated Systems Solutions Corporation

By: 
Title: ISS Project Manager
Date: 9/22/94

Authorizing Agency (Department of Management and Budget)

By: _____
Title: _____
Date: _____

Department of Management and Budget (Purchasing)

By: 
Title: Mgr Info Tech
Date: 10/4/94

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 OFFICE OF PURCHASING
 P.O. BOX 30026, LANSING, MICHIGAN 48909

August 22, 1994

CHANGE NOTICE NO. 5
 OF
 CONTRACT AGREEMENT NO. 0144
 between
 THE STATE OF MICHIGAN
 and

NAME & ADDRESS OF CONTRACTOR Integrated Systems Solutions Corp. (56222) One Michigan Avenue P. O. Box 30116 Lansing, MI 48909		TELEPHONE (517) 377-3900
		FEDERAL I.D. NUMBER 
		BUYER Unit 9 Billie Collins <i>BC</i>
COMMODITY #7099-0000 MICHIGAN ADMINISTRATIVE INFORMATION NETWORK (MAIN) TECHNOLOGY SERVICES DEPARTMENT OF MANAGEMENT AND BUDGET		BID LIST #9893
CONTRACT PERIOD 22 Months From: December 1, 1993		To: September 30, 1995
TERMS Net 30 Days	SHIPMENT As Required	
F.O.B. Delivered	SHIPPED FROM N/A	
MINIMUM DELIVERY REQUIREMENTS N/A		

CHANGE(S):

The attached Change Authorization Order number 29 is hereby incorporated as part of the contract. This project will provide for the design and installation of a wide area network for connectivity to exchange electronic information within the Lansing metropolitan area. The network will support interdepartmental linkages as well as provide a linkage to the MAIN systems.

AUTHORITY/REASON:

Agency request 4/29/94 and 8/17/94. State Administrative Board approval 6/7/94.

CHANGE AUTHORIZATION ORDER FORM

Change Authorization Order for the Contract for Technology Services
Contract Number 0144
Change Authorization Order Number 29

I. Effect on Contract

This Change authorization order (the "Order") is subject to all terms and conditions of the Contract for Technology Services (the "Contract") between the State of Michigan and Integrated Systems Solutions Corporation ("ISSC") dated December 1, 1993, and is issued in accordance with Section 2.1 of the Contract. Except as expressly specified in this Order, all terms and conditions of the Contract shall remain in full force and effect upon execution of this Order. This Order is not valid until it is executed in accordance with Section 2.1 of the Contract. In the event of any inconsistency or ambiguity between the terms and conditions of this Order and the terms and conditions of the Contract, the terms and conditions of this Order shall control.

II. Description of Change

This is a proposal for Phase II of the LMAN Project, to include requirements definition and design for the five sub-projects. The specifics on the five sub-projects are described below.

1) LMAN RESOURCE SHORTAGE

A. Scope

Assess the resource shortage of one, optical fiber between the Cass and Mason buildings, and two, ports on the router located in the Mason building. The Cass Building resource shortage is the result of the cumulative connectivity requirements of DMB, Mental Health, DSS and the DSS Medical Services Administration's Surveillance and Utilization Review (SURS) Project. This design must include connectivity to the Capitol Commons Building because SURS staff and their workstations are located there. The design must also assess the amount of traffic to be generated by users of SURS.

3) ELAN CONNECTIVITY

A. Scope

Assess the amount of traffic and connectivity requirements for the governor's E-Mail system. Provision the LMAN to accommodate the ELAN traffic, identify the feasibility of routing encapsulated IPX and VINES LAN protocols in an IP packet (tunneling) across the LMAN, and identify any LAN provisioning requirements / issues contributed to other, more feasible alternatives than tunneling.

B. Assumptions

The existing MAIN connections can be utilized as the means for providing ELAN connectivity to a given agency. All state agencies requiring access to ELAN can be connected via the existing MAIN connections.

C. Deliverable

A presentation (with charts, drawings, and diagrams), report and design illustrating the most feasible way to route ELAN traffic over the LMAN, and the modifications required to the LMAN network.

A proposal will also be distributed with an implementation plan and

4) MAIN-NET AND LMAN NETWORK(S)

A. Scope

Assess the feasibility of MAIN-NET and LMAN continuing as one network.

The objective is to remove all application services (e.g. MAIN) from the LMAN because the LMAN is envisioned to be a network utility. Therefore, it is required to isolate MAIN resources from the FDDI ring to protect against unauthorized traffic originating from the Internet and state agency local area networks.

The design must meet Project MAIN's current security, availability, performance, and bill-back requirements to be feasible.

B. Assumptions

For this LMAN Project Phase II, the only traffic to be traversing the LMAN is MAIN traffic, Internet traffic, ELAN traffic, and when the application is implemented, SUR traffic.

C. Deliverable

A presentation (with charts, drawings, and diagrams), report and design illustrating if MAIN-NET should or should not be separated. The presentation, report and design will illustrate the reason(s) why the network should remain integrated or be separated. If not separated, the presentation will illustrate the reason(s) why the network should remain integrated.

A proposal will also be distributed with an implementation plan and all relevant pricing to complete the deployment of this sub-project.

5) **NETWORK MANAGEMENT**

A. Scope

Any modifications done to the LMAN in items one through four must be manageable via the INMS in the NCC. Therefore, size any additional upgrades to the INMS and any additional resources required in the NCC.

B. Assumptions

The INMS and NCC are intended to provide the resources and modifications necessary to manage the LMAN.

C. Deliverable

A presentation with charts, drawings, and diagrams illustrating any additional upgrades to the INMS and any additional resources required in the NCC to accommodate LMAN Phase II.

A proposal will also be distributed with an implementation plan and all relevant pricing to complete the deployment of this sub-project.

C. Costs

<u>Function</u>	<u>Hours</u>	<u>Rate</u>	<u>Price</u>
Project Manager	400	\$150/hr	\$60,000
Analyst (3)	480	\$114/hr	\$54,720
Administrative	50	\$35/hr	\$1,750
Total			\$116,470