



Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

Updated March 31, 2026

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Current Portable Radio Models – Full Support Available

This table contains radio models, which have available support from manufacturers, including firmware and feature enhancements. These models can meet all MPSCS minimum specifications, when properly configured, and are [DHS Project-25 Compliance Assessment Program \(P25 CAP\)](#) certified devices.

Portable Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
Motorola Solutions	APX 900	2, 3	R36.61.00	DES/AES encryption & OTAR is not supported on this model NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO ENCRYPTION LIMITATIONS
	APX 1000	1.5, 2, 3		DES/AES encryption & OTAR is not supported on this model NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO ENCRYPTION LIMITATIONS
	APX 3000	1		
	APX 4000	2, 3		DES encryption & OTAR not supported on this model NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO ENCRYPTION LIMITATIONS
	SRX 2200	1.5, 3.5		
	APX 6000	1.5, 2.5, 3.5, XE, Li		Model 1.5 requires QA01768 Enhanced Zone Bank Operation
	APX 7000	1.5, 3.5, XE		
	APX 8000	2.5, 3.5, XE, H, HXE		
	APX N30	2, 3		DES/AES encryption & OTAR not supported on this model NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO ENCRYPTION LIMITATIONS
	APX N50	2, 3		
	APX N70	4.5	R06.61.00	Radio Central programming and Touchless Encryption Key Provisioning features are not supported until further notice for all N70/Next models
	APX Next	4.5, XE, XN	R09.61.00	APX Next XN NFPA 1802 Compliant



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Portable Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
JVCKenwood / EF Johnson Viking	VP5430	F2, F3	v8.46.24.99	Not approved for DE31 DES only hardware encryption option
	VP6430			
	VP8000		v8.46.24.94	
JVCKenwood	NX-5400	K2, K3	v5.31	Not approved for TDMA / OTAR / IV&D / DES 4 Keys NOT RECOMMENDED FOR WAYNE COUNTY / REGION 2 AREA DUE TO ARC4 ENCRYPTION LIMITATIONS
	TK-5430			
L3Harris	XL-45P	Limited and Full Keypad 851-870MHz International version only	R20B14.0265	XL-45P and XL-150P not approved for encryption use XL-45P AND XL-150P NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO ENCRYPTION LIMITATIONS Requires YRXL-PL9F P25 Conventional Fallback option XL-400P NFPA 1802 Compliant
	XL-95P			
	XL-150P			
	XL-185P			
	XL-200P			
	XL-400P			
Tait Communications	TP9400	9455, 9460	v3.07.06	Not approved for TPAS053 Single DES Encryption and TPAS109 Single Privacy Key options
	TP9600	9655, 9660		
	TP9800	9855, 9860		
		9865, 9870 9875, 9880		
BK Technologies	KNG2-P800	N/A	v5.7.12	KNG2 Not approved for TDMA / OTAR / IV&D NOT RECOMMENDED FOR WAYNE COUNTY / REGION 2 AREA DUE TO ARC4 ENCRYPTION LIMITATIONS
	BKR-9000	2.5, 3.5 only	v5.13.1	



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Current Mobile Radio Models – Full Support Available

Mobile Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
Motorola Solutions	APX 1500	O2	R36.61.00	DES/AES encryption & OTAR not supported on this model NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO ENCRYPTION LIMITATIONS
	APX 4500	O2, O5, E5, Li		
	APX 6500	O2, O3, O5, O7, O9, E5, Li		
	APX 7500	O2, O3, O5, O7, O9, E5, Consolette		
	APX 8500			
JVCKenwood / EF Johnson Viking	VM5930	KCH-19 KCH-20 KCH-21 KCH-22	v8.46.24.83	
	VM6930			
	VM7930		v8.46.24.88	
	VM8000			
JVCKenwood	NX-5900	KCH-22	v5.31	Not approved for TDMA / OTAR / IV&D / DES 4 Keys NOT RECOMMENDED FOR WAYNE COUNTY / REGION 2 AREA DUE TO ARC4 ENCRYPTION LIMITATIONS
	TK-5930			
L3Harris	XL-185M	<i>851-870MHz International version only</i>	R20B14.0265	Requires YRXL-PL9F P25 Conventional Fallback option
	XL-200M			
Tait Communications	TM9400	9455, 9457	v3.07.06	Not approved for TPAS053 Single DES Encryption and TPAS109 Single Privacy Key options
BK Technologies	KNG-M800	SCH, HCH	v5.7.12	Not approved for TDMA / OTAR / IV&D NOT RECOMMENDED FOR WAYNE COUNTY / REGION 2 AREA DUE TO ARC4 ENCRYPTION LIMITATIONS
Technisonic Communications	TDFM-9000 series	All versions	R36.61.00	Aircraft radio model based on Motorola APX hardware platform



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Paging Receivers				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
Unication	G4 / G5	700/800 MHz	v2.02	DES/AES encryption not approved or supported by MPSCS for these devices

System Integrated Dispatch Consoles				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
Motorola Solutions	MCC7500	N/A	AN2024.1	Not approved for off-network use
	MCC7500e			All consoles require ARC4 (ADP), DES-OFB and AES256 encryption algorithms <i>*Software-based encryption not supported</i>
	MCC7500e	Off Network with Proxy		All consoles require ARC4 (ADP), DES-OFB and AES256 encryption algorithms <i>*Software-based encryption not supported</i>

Encryption Keyloaders						
Manufacturer	Model	Version	Security Adapter Version	OS Version	HSM Version	Additional Information
Motorola Solutions	KVL5000	R01.11.03.00	N/A	R01.11.02	R50.7.10	Requires ARC4 (ADP), DES-OFB, and AES256 algorithms



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Terminated “Legacy” Portable Radio Models – No Support Available

This table contains radios which are functionally end of life “legacy models.” These models have no manufacturer support and have been terminated from MPSCS support. These models are no longer eligible to be reprogrammed; however, they can remain in use as programmed until further notice.

Life-cycle replacement should be considered as soon as possible.

Portable Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
Motorola Solutions	XTS-2500 (BN)	2, 3	R20.50.10	TDMA is not supported by this model
	XTS-5000			
JVCKenwood / EF Johnson Viking	VP600	F2, F3	v8.30.16.57	Not approved for TDMA / OTAR / IV&D
	VP900			Not approved for TDMA / OTAR / IV&D
L3Harris	XG-15P	Limited & Full Keypad	R06T02	Not approved for TDMA / OTAR / IV&D XG-15P Not approved for encryption use <i>XG-15P NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO SINGLE ENCRYPTION KEY LIMITATIONS</i> Discontinued by manufacturer
BK Technologies	KNG-P800	N/A	v5.7.10	Not approved for TDMA / OTAR / IV&D / Encryption <i>NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO ENCRYPTION LIMITATIONS</i>
Icom	F7040	S, T	v4.20 or later	Failsoft is not supported by this model Not approved for TDMA / OTAR / IV&D <i>NOT RECOMMENDED FOR PUBLIC SAFETY USE AND WAYNE COUNTY / REGION 2 AREA DUE TO FAILSOFT AND ARC4 ENCRYPTION LIMITATIONS</i>
Motorola Solutions	XTS-1500	All	N/A	N/A
	XTS-2500 (AN)			
	XTS-3000			
	ASTRO Saber			
JVCKenwood / EF Johnson Viking	VP400			
	51 series			
	53 series			
	Ascend ES series			



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Terminated "Legacy" Portable Radio Models – No Support Available

Portable Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
JVCKenwood	TK-5400			
	TK-5410			
L3Harris	P7200 / P7300			
Tait Communications	TP9100			
Thales	Liberty			



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Terminated “Legacy” Mobile Radio Models – No Support Available

Mobile Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
Motorola Solutions	XTL-2500	M5	R20.50.10	TDMA is not supported by this model
	XTL-5000	W3, W4, W5, W7, W9, O3, O5, Consolette		
JVCKenwood / EF Johnson Viking	VM600	SCH, LCH, VCH	v8.30.16.57	Not approved for TDMA / OTAR / IV&D
	VM900			Not approved for TDMA / OTAR / IV&D
L3Harris	XG-25M	CH-25	R06U02	Not approved for TDMA / OTAR / IV&D Discontinued by manufacturer
	XG-75M	CH-721, HHC-731	R06M03	
	XG-100M	CH-100, CH-721, HHC-731	R06T02	
Icom	F7540	N/A	v4.20 or later	Failsoft is not supported by this model Not approved for TDMA / OTAR / IV&D <i>NOT RECOMMENDED FOR PUBLIC SAFETY USE AND WAYNE COUNTY / REGION 2 AREA DUE TO FAILSOFT AND ARC4 ENCRYPTION LIMITATIONS</i>
Motorola Solutions	XTL-1500	All	N/A	N/A
	ASTRO Spectra Plus			
	ASTRO Spectra			
	Spectra			
JVCKenwood / EF Johnson Viking	VM400			
	5100 series			
	5300 series			
JVCKenwood	TK-5910			
L3Harris	M7200/M7300			
Tait Communications	TM9100			



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Minimum Subscriber Radio Specifications – Motorola Solutions

APX models (includes all models) when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- H38/G51 SMARTZONE Systems Operation
- Q806/G806 ASTRO Digital Operation
- Q173/G173 SMARTZONE OMNILINK Multizone Operation
- Q361/G361 ASTRO 25 9600 Baud Trunking Systems Operation
- QA00569/GA00244 700/800 MHz
- QA00580/ GA00580 TDMA Operation (recommended for all new radio purchases)
- QA01768 Enhanced Zone Bank (required for SRX 2200, APX 6000, and APX 7000 1.5 models only)

APX models (includes all models *EXCEPT APX 900, APX 1000, APX 1500, APX 4000, and APX N30) when **ENCRYPTION IS REQUIRED**

Minimum required options:

- H38/G51 SMARTZONE Systems Operation
- Q806/G806 ASTRO Digital Operation
- Q173/G173 SMARTZONE OMNILINK Multizone Operation
- Q361/G361 ASTRO 25 9600 Baud Trunking Systems Operation
- QA00569/GA00244 700/800 MHz
- QA00580/ GA00580 TDMA Operation (recommended for all new radio purchases)
- QA01768 Enhanced Zone Bank (required for SRX 2200, APX 6000, and APX 7000 1.5 models only)
- **Q667/G193 Advanced Digital Privacy Software**
- **H869/W969 Multikey**
- **Q15 Hardware MACE Encryption Board installed with ADP, DES-OFB, and AES256 algorithms**

***APX 900, APX 1000, APX 1500, APX 4000, and APX N30 models are not approved when encryption is required.**

****APX models that have hardware MACE encryption boards without ADP, DES, and AES algorithms installed are not approved when encryption and OTAR are required.**



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Minimum Subscriber Radio Specifications – JVCKenwood / EF Johnson Viking

Viking VPx000/VMx000 series (*includes all models*) when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- 8322000002 P25 Conventional
- 8322000005 P25 Phase 1 Trunking
- 8322000006 P25 Phase 2 TDMA (*recommended for all new radio purchases*)

Viking VPx000/VMx000 series (*includes all models EXCEPT VP5430*) when **ENCRYPTION IS REQUIRED**

Minimum required options:

- 8322000002 P25 Conventional
- 8322000005 P25 Phase 1 Trunking
- 8322000006 P25 Phase 2 TDMA (*recommended for all new radio purchases*)
- **8323000004 DES-OFB and AES256 (*includes Multikey*)**
- **8323000005 ARC4 Encryption**

Viking VP5430 model when **ENCRYPTION IS REQUIRED**

Minimum required options:

- 8322000002 P25 Conventional
- 8322000005 P25 Phase 1 Trunking
- 8322000006 P25 Phase 2 TDMA (*recommended for all new radio purchases*)
- **KWD-AE30K Encryption Hardware Module**
- **8323000004 DES-OFB and AES256 (*includes Multikey*)**
- **8323000005 ARC4 Encryption**



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Minimum Subscriber Radio Specifications – JVCKenwood

Kenwood NX/TK series (*includes all models*) when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- KWD-5100CV P25 Conventional
- KWD-5101TR P25 Phase 1 Trunking
- KWD-5102TR P25 Phase 2 TDMA (*recommended for all new radio purchases*)

Kenwood NX/TK series (*includes all models*) when **ENCRYPTION IS REQUIRED**

Minimum required options:

- KWD-5100CV P25 Conventional
- KWD-5101TR P25 Phase 1 Trunking
- KWD-5102TR P25 Phase 2 TDMA (*recommended for all new radio purchases*)
- **KWD-AE31K Encryption Hardware Module DES-OFB & AES256 (*includes Multikey*)**
- **KWD-5107EE ARC4 Encryption**

****JVCKenwood NX/TK radios are incompatible for MPSCS encryption interoperability standards within region 2 / Wayne County area due ARC4 encryption limitations; therefore, these radios are not recommended for any public safety users in that geographical area***



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Minimum Subscriber Radio Specifications – L3Harris

XL series (includes all models) when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- YRXL-PKGPT P25 Phase 1 Trunking
- YRXL-PL4F P25 Phase 2 TDMA Trunking (recommended for all new radio purchases)
- YRXL-PL9F P25 Conventional Fallback (required for Motorola Failsoft support)

XL series (includes all models *EXCEPT XL-45P and XL-150P) when **ENCRYPTION IS REQUIRED**

Minimum required options:

- YRXL-PKGPT P25 Phase 1 Trunking
- YRXL-PL4F P25 Phase 2 TDMA Trunking (recommended for all new radio purchases)
- YRXL-PL9F P25 Conventional Fallback (required for Motorola Failsoft support)
- **YRXL-PKG8F DES-OFB & AES256 Encryption (includes Multikey)**
- **YRXL-PL8Y ARC4 Encryption Lite**

****XL-45P, XL-150P models are not approved when encryption is required.***



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Minimum Subscriber Radio Specifications – Tait Communications

TP/TM series (*includes all models*) when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- TPAS050 P25 Common Air Interface
- TPAS055 P25 Phase 1 Trunking
- TPAS091 P25 Phase 2 TDMA (*recommended for all new radio purchases*)

TP/TM series (*includes all models*) when **ENCRYPTION IS REQUIRED**

Minimum required options:

- TPAS050 P25 Common Air Interface
- TPAS055 P25 Phase 1 Trunking
- TPAS091 P25 Phase 2 TDMA (*recommended for all new radio purchases*)
- **TPAS057 DES Encryption**
- **TPAS058 AES Encryption**
- **TPAS102 ARC4 Encryption**

*** TPAS053 Single DES Encryption and TPAS109 Single Privacy Key features are not supported by MPSCS**



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Minimum Subscriber Radio Specifications – BK Technologies

BKR-9000 series (*includes all models*) when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- BKR0579 P25 Phase 1 Trunking
- BKR0593 P25 Phase 2 Trunking (*recommended for all new radio purchases*)

BKR-9000 series (*includes all models*) when **ENCRYPTION IS REQUIRED**

Minimum required options:

- BKR0579 P25 Phase 1 Trunking
- BKR0593 P25 Phase 2 Trunking (*recommended for all new radio purchases*)
- BKR0574 AES256 Encryption (*includes ARC4, DES-OFB, and Multikey*)

KNG/KNG2 series (*includes all models*) when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- KZA0579 P25 Phase 1 Trunking

KNG/KNG2 series (*includes all models*) when **ENCRYPTION IS REQUIRED**

Minimum required options:

- KZA0579 P25 Phase 1 Trunking
- KZA0577 DES-OFB and AES256 Encryption (*includes ARC4 encryption and Multikey*)

****BK Technologies radios are incompatible for MPSCS encryption interoperability standards within region 2 / Wayne County area due ARC4 encryption limitations; therefore, these radios are not recommended for any public safety users in that geographical area.***



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