



CONNECTICUT LAND MOBILE RADIO NETWORK

Technical Advisory Bulletin

SUBJECT: SUBSCRIBER EQUIPMENT

DISCUSSION: CLMRN supports a number of different subscriber options. Ultimately, the decision of which subscriber to purchase is up to the end user based on their requirements and budget.

Subscribers must use only approved firmware and software.

REQUIREMENTS¹

MANUFACTURER	REQUIREMENT
Non Specific	P25 Common Air Interface
Non Specific	P25 9600 Baud Trunking
Non Specific	TDMA Operation
Non Specific	Multi-Site Roaming (if applicable)
Non Specific	Minimum 512 Mode Operation ²
L3Harris	Conventional Fall Back
L3Harris	Multigroup

¹ Reminder that the radio MUST meet CAP requirements for operating on a Motorola Solutions P25 trunked radio system

² Reminder that it is mandatory to have the entire interoperability template in the radio

SECURITY

MANUFACTURER	REQUIREMENT
Non Specific	Hardware ONLY system key dongle
Non Specific	P25 Link Layer Authentication (scheduled 4/1/23)
Non Specific	AES256 with OTAR/Multikey- IF PURCHASING ENCRYPTION

QUESTIONS? p25@ct.gov



MOBILE/CONTROL STATION RADIOS (1/23/23)

MANUFACTURER	MODEL	OTAP	OTAR	COMMENTS
EFJohnson	VM600	X	X	No longer available from EFJ
EFJohnson	VM900	X	X	No longer available from EFJ
EFJohnson	VM5930	X	X	
EFJohnson	VM6930	X	X	
EFJohnson	VM7930	X	X	Contact CTS for multiband/multideck solution
Kenwood	NX5900	-	-	No longer supported on system
Kenwood	TK5930	-	-	No longer supported on system
L3Harris	XG100M	-	-	Per L3Harris no longer supported on system
L3Harris	XG25M	-	-	Per L3Harris no longer supported on system
L3Harris	XG75M	-	-	Per L3Harris no longer supported on system
L3Harris	XG75M/M7300	-	-	Per L3Harris no longer supported on system
L3Harris	XL-185M		X	
L3Harris	XL-200M		X	
Motorola	APX1500	X*		
Motorola	APX1500	X*	X	NOT APPLICABLE FOR ENCRYPTION
Motorola	APX4500	X*	X**	
Motorola	APX6500	X*	X	
Motorola	AXP6500 Li	X*	X	
Motorola	APX7500	X*	X	No longer available from MSI
Motorola	APX7500 Console	X*	X	No longer available from MSI
Motorola	APX8500	X*	X	
Motorola	APX8500 Console	X*	X	
BKTechnologies	KNG-M800		X	NO ISSI capability
Tait	TM9400		X	

*=Motorola Solutions requires extensive software licensing to support this feature

**=Motorola has offered APX4500 with OTAR



PORTABLE RADIOS (1/23/23)

MANUFACTURER	MODEL	OTAP	OTAR	COMMENTS
EFJohnson	VP5430	X	X	
EFJohnson	VP6430	X	X	
EFJohnson	VP8000	X	X	Please note default channel capacity
L3Harris	XG75P	-	-	Per L3Harris no longer supported on system
L3Harris	XG100P	-	-	Per L3Harris no longer supported on system
L3Harris	XL-185P		X	REQUIRES SPECIAL PROGRAMMING-CONTACT CTS
L3Harris	XL-200P		X	REQUIRES SPECIAL PROGRAMMING-CONTACT CTS
Motorola	APX900	X*	-	Radio is NOT recommended for public safety operations. NOT acceptable if encryption required-RADIO CURRENTLY NOT PERMITTED
Motorola	APX1000	X*		
Motorola	APX4000	X*	X**	
Motorola	APX6000	X*	X	
Motorola	APX6000Li	X*	X	
Motorola	APX7000	X*	X	No longer available from MSI
Motorola	APX8000	X*	X	
Motorola	APX-NEXT	X*	X	On Prem Programming ONLY NOTE: System does NOT support "Smart" features
Tait	TP9400		X	
Tait	TP9600		X	

*=Motorola Solutions requires extensive software licensing to support this feature

**=Motorola has offered APX4/4500 with OTAR-special configuration only