CONNECTICUT LAND MOBILE RADIO NETWORK
Technical Advisory Bulletin

SUBJECT: **SUBSCRIBER EQUIPMENT** (revised 6/11/2024)

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 use the firmware and software releases approved for the particular radio.

PLEASE NOTE: The State does not recommend manufacturers or dealers/representatives.

MANUFACTURERS/VENDORS: All software and firmware must be tested and approved prior to release for use on the network. ALL firmware and software issues must be resolved in conjunction with the State engineering team. Please contact p25@ct.gov with questions

REQUIREMENTS[1]

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]
Non Specified	Multiband operation: 2 bands – 2000 channels/modes 3 bands – 3000 channels/modes
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
Non Specific	AES256 with OTAR/Multikey-**IF PURCHASING ENCRYPTION**

QUESTIONS? p25@ct.gov

MOBILE/CONTROL STATION RADIOS (6/11/24)

MANUFACTURER	MODEL	OTAP	OTAR	COMMENTS
EFJohnson	VM600	X	X	
EFJohnson	VM900	X	X	
EFJohnson	VM5930	X	X	
EFJohnson	VM6930	X	X	
EFJohnson	VM7930	X	X	Contact CTS for multiband/multideck solution
L3Harris	XL-185M		X	
L3Harris	XL-200M		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	
Motorola	APX7500 Consolette	X	X	
Motorola	APX8500	X	X	
Motorola	APX8500 Consolette	X	X	
BKTechnologies	KNG-M800		X	NO ISSI capability
Tait	TM9400		X	

*=Motorola has offered APX4500 with OTAR

PORTABLE RADIOS (6/11/24)

MANUFACTURER	MODEL	OTAP	OTAR	COMMENTS
EFJohnson	VP5430	X	X	
EFJohnson	VP6430	X	X	
EFJohnson	VP8000	X	X	
L3Harris	XL-185P		X	
L3Harris	XL-200P		X	
Motorola	APX1000	X		
Motorola	APX4000	X	X*	
Motorola	APX6000	X	X	
Motorola	APX6000Li	X	X	
Motorola	APX7000	X	X	
Motorola	APX8000	X	X	
Motorola	N50	X	X	
Tait	TP9400		X	
Tait	TP9600		X	
Tait	TP9800		X	

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