

	Standard Operating Procedure	
	Title / Subject Approved Radio Equipment List	
	References/Updates: Updated: 09/17/2026	

Table of Change

1.	Add Intro/Purpose, Definitions, Modifications to 3a, 3e,	Page 1
2.	Add F v., G, J xi, and Modifications to J ix.	Page 2
3.	Add K ii 11.	Page 3
4.	Updated section numbers and added a new section 4.	Page 4
5.	Split the Radio Requirements from the SIRN Approved Radio Equipment List	

SIRN Approved Radio Equipment List

Type	Level	Make	Model	Programming Software	!!! NOTE !!! ALL RADIOS MUST BE UHF 400-470 MHz
LEVEL 1					
Portables					
	1	Bendix King	KNG2-P400	RES	
	1	BK Technologies	BKR 9000	RES	
	1	EF Johnson	VP600	Armada	
	1	EF Johnson	VP8000	Armada	
	1	Harris	XL200P	Harris RPM2	
	1	Harris	XL185P	Harris RPM2	
	1	Kenwood	NX-5300	D1N	
	1	Kenwood	TK-5330	D1N	
	1	Kenwood	VP-5330	Armada	
	1	Kenwood	VP-6330	Armada	
	1	Motorola	APX-6000	APX CPS	
	1	Motorola	APX-7000	APX CPS	

Type	Level	Make	Model	Programming Software	!!! NOTE !!! ALL RADIOS MUST BE UHF 400-470 MHz
	1	Motorola	APX-8000	APX CPS	
	1	Motorola	APX-Next	CPS & Online	
	1	Motorola	N70	APX CPX	
	1	Tait	TP9800	Tait P25 Terminals Programming Application	
Mobiles					
	1	Harris	XL200M	Harris RPM	
	1	Kenwood	VM7000	Armada	
	1	Kenwood	NX-5800	D1N	
	1	Kenwood	TK-5830	D1N	
	1	Kenwood	VM-5830	Armada	
	1	Kenwood	VM-6830	Armada	
	1	Kenwood	VM-8000	Armada	
	1	Motorola	APX-6500	APX CPS	
	1	Motorola	APX-7500	APX CPS	
	1	Motorola	APX-8500	APX CPS	
LEVEL 2					
Portables					
	2	Bendix-King	KNG-P400	RES	
	2	Harris	XG-25P	Harris RPM	
	2	Harris	XG-75P	Harris RPM	
	2	Harris	Unity XG-100	Harris RPM	
	2	Harris	P7300	Harris RPM	
	2	Motorola	APX-4000	APX CPS	
	2	Motorola	N50	APX CPS	
	2	Icom	IC-7020T	Icom CS-F7500	
Mobiles	2	Bendix-King	KNG400M	RES	
	2	Harris	XG-25M	Harris RPM	
	2	Harris	Unity XG100M	Harris RPM	
	2	Harris	M7300	Harris RPM	

Type	Level	Make	Model	Programming Software	!!! NOTE !!! ALL RADIOS MUST BE UHF 400-470 MHz
	2	Motorola	APX-4500	APX CPS	
	2	Icom	IC-7520	Icom CS-F7500	
LEVEL 3					
Portables	3	ICOM	IC-F9021	ICOM Software	Cannot Scan Conventional and Trunking in the same List. Not capable of operator programmable scan list
	3	Harris	P3300	Harris RPM	No Encryption
	3	Kenwood	TK-5320	KPG-112	Will Not mix Conventional and Trunking in the same Zone. Cannot Scan Conventional and Trunking in the same list
	3	Motorola	APX-900	APX CPS	Only 512 Channels No AES Encryption
	3	Motorola	APX-1000	APX CPS	Only 512 Channels No AES Encryption
	3	Motorola	N30	APX CPS	Only 512 channels

Type	Level	Make	Model	Programming Software	!!! NOTE !!! ALL RADIOS MUST BE UHF 400-470 MHz
Mobiles	3	Harris	M3300	Harris RPM	No Encryption
	3	ICOM	IC-9521	ICOM Software	Cannot Scan Conventional and Trunking in the same list
	3	Kenwood	TK-5820	KPG-112	Will not mix Conventional and Trunking in the same Zone. Cannot Scan Conventional and Trunking in the same scan list
	3	Motorola	APX-1500	APX CPS	Not capable of multi-key encryption

LEVEL 4 - Level 4; End of Life but working properly (i.e. Motorola XTS & XTL, or APX 7000). Radios that are End of Life from their manufacturer, yet still function properly. They do not have the same functionality or available features of newer radios. Note specific comments above in Section 3.f.iv.

Type	Level	Make	Model	Programming Software	!!! NOTE !!! ALL RADIOS MUST BE UHF 400-470 MHz
Portables					
	4	Kenwood	10 Series V3	KPG-95DGN	
	4	EF Johnson	51xx Series	PC Configure	
	4	Harris	P5400	Harris RPM	Effective 04/12/16 Frequency range is 450-470
	4	Harris	CG15P	Harris RPM	Effective 04/12/16 Frequency range is 450-470
	4	Motorola	XTS-1500	XTS CPS	
	4	Motorola	XTS-2500	XTS CPS	
	4	Motorola	XTS-5000	XTS CPS	
	4	Tait	TP91xx	Tait Software	
Mobiles					
	4	Kenwood	10 Series V3	KPG-95DGN	
	4	EF Johnson	53xx Series	PC Configure	
	4	Motorola	XTL-1500	XTL CPS	
	4	Motorola	XTL-2500	XTL CPS	
	4	Motorola	XTL-5000	XTL CPS	
	4	Tait	TM91xx	Tait Software	

LEVEL 5 – Condition requiring manufacturers actions before any other radios will be allowed to be connected to the system.

Type	Level	Make	Model	Programming Software	!!! NOTE !!! ALL RADIOS MUST BE UHF 400-470 MHz

LEVEL 99 – No longer recommended for use (End of life and not working properly). The radio listings in Level 99 are radios that are no longer being supported by the manufacturer. While the device may still work to some level of usability on SIRN, the radio has noted significant issues. The SIEC is NOT ALLOWING these radios for future use and will not activate new purchases. Equipment with currently assigned Radio ID's and active on the SIRN may continue to be operated on the SIRN. Equipment listed in this section is no longer authorized to be newly activated on the SIRN.

Portables	99	Kenwood	10 Series V2	KPG-95DGN	Limited support from the manufacturer. Poor roaming ability. No future firmware updates beyond what is currently available.
Mobiles	99	Kenwood	10 Series V2	KPG-95DGN	Limited support from the manufacturer. Poor roaming ability. No future firmware updates beyond what is currently available.

Tested Connected apps and services

App or Service	Brand/Vendor	Status	Usage Notations
Inter Subsystem Interface (ISSI)	Motorola Solutions	Operational	Allows a foreign radio system to be integrated into the SIRN Astro System. <i>Significant ongoing costs to all parties involved.</i>
Critical Connect	Motorola Solutions	Operational	Allows for other radio technologies to interface into a radio LMR system.
Wave	Motorola Solutions	Operational	Push-To-Talk application for smart devices; Carrier agnostic; Allows for broadband-only and LMR talkgroup integration directly into Astro systems; Easy management by LRM administrators; Small recurring cost to end users.

