

Communications Resource Function Selection Guide

Use checklist to match your equipment to a Resource Function (Urban Tactical Group)

Call: _____ Name: _____ License Class: _____ Unit #: _____

		* Indicates Required Item				CRF-S				CRF-B				CRF-M				CRF-DM				
Equipment or Material		TYPE I	✓	TYPE II	✓	TYPE I	✓	TYPE II	✓	TYPE I	✓	TYPE II	✓	TYPE I	✓	TYPE II	✓	TYPE I	✓	TYPE II	✓	
Common Items	Pen	*		*		*		*		*		*		*		*		*		*		
	Pencil	*		*		*		*		*		*		*		*		*		*		
	Writing Pad	*		*		*		*		*		*		*		*		*		*		
	Message Forms (ICS-213 and ARRL FSD-218)	*		*		*		*		*		*		*		*		*		*		
	Copy of amateur license, badge and photo ID	*		*		*		*		*		*		*		*		*		*		
	Transceiver operating instructions or summary guide	*		*		*		*		*		*		*		*		*		*		
	Short duration personal support gear (Optional for service events)	*		*		*		*		*		*		*		*		*		*		
	Rain Gear/comfortable footwear (Short duration PSG ²)	*		*		*		*		*		*		*		*		*		*		
	Portable power source for at least 12 hours of typical operation	*		*		*		*		*		*		*		*		*		*		
	Portable power source for less than 12 hours of typical operation			*					*					*				*				
	All connectors RACES/ARES standardized (Powerpoles for power, PL-259 for coax connectors, and 1/8" plug for audio)	*		*		*		*		*		*		*		*		*		*		
	Clip lead adapter power cables (sized to power requirements)	*		*		*		*		*		*		*		*		*		*		
	Portable Chair and Table	Optional, but highly recommended for CRF-B & DM																				
	Miscellaneous adapters (i.e. BNC to PL-259, PL259 to N)	*		*		*		*		*		*		*		*		*		*		
Comfort items (Food, water, reading material, etc. suitable for incident duration)	*		*		*		*		*		*		*		*		*		*			
Duct tape	*		*		*		*		*		*		*		*		*		*			
CRF-S	Hand-held, 2M/440 Dual Band FM synthesized transceiver with a minimum of 2.5 watts of output power with programmable CTCSS encoder	*				Good to have as backup																
	Hand-held, 2 Meter (2M/440 preferred) FM synthesized transceiver with a minimum of 2.5 watts of output power with programmable CTCSS encoder			*		Good to have as backup																
	Earphone or Headset attachment (VOX disabled) for HT	*		*		Good to have as backup																
	Standardized cigarette lighter power cord	*		*		Optional																
	Antenna adapter cable/bracket or mini-mag mount antenna for temporary vehicle duty with shadow	*		*		Optional																
Are you physically able to walk/stand for long durations?	*		*		Optional																	
CRF-B, -M, -DM	2M/440 Dual Band FM synthesized w/programmable CTCSS encode Transceiver capable of at least 25 watts into the antenna (Dual Band HT / amplifier combination is a viable alternative) Easily moved to different locations.					*				*				*				*				
	2 Meter FM synthesized w/programmable CTCSS encode Transceiver capable of 25 watts minimum into the antenna (HT / amplifier combination is a viable alternative) Easily moved to different locations.							*				*					*				*	
	Earphone or Headset attachment (VOX disabled) for Transceiver					*		*		*		*		*		*		*		*		
	2M/440 Dual Band Gain Antenna					*								*							*	
	2M Gain antenna							*													*	
	Mast and support (portable)					*		*						*				*		*		
	25' Coax cable with PL259's at each end (RG8X or better preferred)					*								*				*		*		
	Coax with PL259's at each end (25' min of RG8X or better preferred)								*									*		*		
	PL258 coupler					*		*						*			*		*		*	
	Additional coax cables (RG8X or better preferred)					*								*			*		*		*	
	Extra coax cables may be needed (RG8X or better preferred)					*			*									*		*		
	External speaker with 1/8" phone plug					*		*						*			*		*		*	
	2M/440 Dual Band Gain antenna with magnetic base with ~ 15' of coax terminated in a PL259 connector					Optional				*				Optional								
	2M Gain antenna (dual band preferred) with magnetic base with ~ 15' of coax terminated in a PL259 connector					Optional						*		Optional								
	Computer (Laptop or Other type portable)																	*		*		
	Printer, printing supplies & AC adapter (for portable operation)																	*		*		
	TNC (with appropriate software)																	*		*		
Messaging Software(s) for Winlink [Airmail, Paclink or RMS Express]																	*		*			
Messaging Software(s) for Packet [Outpost, etc.]																	*		*			
Is this Equipment portable? If not see Note 1	*		*		*		*		*		*		*		*		*		*			
Function Match Score =	20		20		23		23		18		18		28		27							
Do you have NIMS Training? (IS-700, 100, 200, 800)	*																					
Do you have Emergency Communications training?	*																					
Do you have a D-Star Transceiver?																						

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Note 1: Resource Functions that are not portable (home stations or permanent mobile installations) will have the modifier "F" for fixed, affixed at the end of the Function designator and considered TYPE III
Note 2: D-Star digital voice and data transceivers when substituted in a CRF shall have the modifier "D*" added to the CRF
Note 3: Personal Support Gear

*** This matrix selection guide is for CRF equipment complements and does not include general personal items or 24/72 hour kit items ***