

AMATEUR RADIO PUBLIC SERVICE COMMUNICATIONS

Ordering Guide - Public Service, RACES, & ARES Communications Resource Functions

A Resource Guide for ARES, RACES, or Public Service Communication activities

Amateur Radio Resource Typing enables amateur radio communicators, emergency managers, staging managers, EmCom Leaders and event coordinators to identify request and receive consistent, standardized and coordinated amateur radio resources needed during an emergency, disaster or event. It identifies, categorizes and labels communications functions amateur radio operators typically perform at events and incidents for easy reference. By using these Communications Resource Functions presented here, mutual aid resources are easier to request and supply and event or incident assignments can be quickly made by staging managers or event coordinators.

This Guide is an aid in creating a resource standard for all Amateur Radio mutual aid and EmCom groups.

◇ A Type I CRF includes recommended items | A Type II CRF is without recommended items ◇

◇ Basic Communications Resource Functions¹

Communications Resource Function S - (Shadow | VHF/UHF)

CRF-S identifies the function and basic amateur radio equipment for operation of as a "foot mobile" station while shadowing an event or incident official.

Communications Resource Function B - (Base | VHF/UHF)

CRF-B identifies the function and basic amateur radio equipment for portable operation as a base, Rest Stop, Shelter, Net Control, etc. or fixed location station.

Communications Resource Function M - (Mobile | VHF/UHF)

CRF-M identifies the function and basic amateur radio equipment for mobile operation as a station in a moving vehicle such as a car, truck, van, aircraft, or bus.

Communications Resource Function H - (H Long-Range Communications | HF)²

CRF-H identifies the function and basic amateur radio equipment for portable or mobile operation of a station for long and intermediate range communications. General Class or higher License is required.

Sub Functions: **Hp**, Field Portable and **Ht** Transport Mobile (suitable for in vehicle use)

◇ Specialty Communications Resource Functions¹

Communications Resource Function DA - (Data - APRS Operations | VHF/UHF)

CRF-DA identifies the function and basic amateur radio equipment for operation as an Automatic Positioning/Packet Reporting System providing the event or incident official(s) with a "view" of resources in real time along with short messaging capability.

Communications Resource Function DT - (Data - Resource Tracker | VHF/UHF)

CRF-AT identifies amateur radio equipment function providing asset tracking of a mobile unit or other resource as requested by event or incident officials for display with CRF-DA equipment.

Communications Resource Function DM - (Tactical Data Messaging | VHF/UHF)

CRF-DM identifies the function and basic amateur radio equipment for operation as a "last mile" digital messaging system providing event or incident officials with traceable messaging and "radio Email" capability.

Sub Functions: **DMw**, Winlink capable and **DMP** packet capable

Communications Resource Function DH - (Long-Range Data Messaging | HF)²

CRF-DH identifies the function and basic amateur radio equipment for portable operation as a long range digital messaging system providing event or incident officials with traceable messaging and "radio Email" capability.

Sub Functions: **DHw**, Winlink capable and **DHr** Winlink Routing (Unique hub/routing function)⁴

Communications Resource Function DN - (Data Networking | UHF)

CRF-DN identifies basic equipment for a field deployable 802.nna resource providing a wireless node in support of event or incident communications.

Communications Resource Function AV - (Amateur TV | UHF)

CRF-AV - Portable amateur television (ATV) equipment for transmitting and receiving video information (TBD)

CRF Assignment Durations

- Short – Up to 12 hour duration (Shifts)
- Medium – 12 to 72 hour duration (Shifts)
- Long – 72 hour or greater duration (Usually an away assignment)

Notes:

1. To request only a CRF operator, use Communications Resource Operator (CRO) with appropriate designation
2. For MARS operations, equipment/capabilities must meet unit's operational requirements
3. D-Star digital transceivers when requested in a CRF shall have the modifier "/D*" added to CRF
4. Special VHF data to/from HF data hubbing function requiring Pactor III

*** Ordering guide for amateur radio communications functions for EmCom and Public Service activities ***