

AMATEUR RADIO PUBLIC SERVICE COMMUNICATIONS

Public Service, RACES, & ARES Communications Resource Functions ordering guide

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

Amateur Radio Resource Typing provides Emergency Managers, Staging Managers, and Event Coordinators with the information needed to request and receive amateur radio resources they need during an emergency, disaster or event. It is used to identify and match communications functions amateur radio operators typically perform at events and incidents to a resource definition. By knowing your resource function at check-in, assignments are quickly made by the coordinator, staging manager, or emergency manager.

General Resource Functions

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

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

Communications Resource Function B - (Base/Rest Stop/Shelter/Net Control | VHF/UHF)

CRF B identifies the function and basic equipment for portable operation of an amateur radio station as a base or a fixed location.

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

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

Communications Resource Function H - (HF) (Strategic Communications)

CRF H identifies the function and basic equipment for portable operation of an amateur radio station for long and intermediate range communications. (Non-line of sight)

Digital Resource Functions

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

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

Communications Resource Function DM - (Digital Messaging Operations | VHF/UHF)

CRF DM is similar to CRF DA, but intended for digital messaging providing the event or incident officials with traceable messaging and "radio Email" capability.

- Sub Functions include **DMw**, Winlink capable, **DMp** packet capable.

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

CRF DT identifies equipment needed for asset tracking of mobile units as directed by event or incident officials for display tracking on Resource Type DA equipment.

Communications Resource Function DN - (Digital Networking | UHF)

CRF DN identifies equipment needed for a field deployable 802.nna resource used to provide wireless internet access to assist in event or incident communications.

Communications Resource Function DH - (Digital Messaging | HF)

CRF DH identifies the function and basic equipment for portable operation of an amateur radio station for long and intermediate range digital messaging communications. (Non-line of sight)

Communications Resource Function DV - (Digital ATV)

Self contained portable amateur television transmission/receiving station (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. CRF's S,B,M, and D(A,M,D,N) are primary Urban Communications Resources.
2. CRF's that are not portable (home stations or permanent mobile installations) shall have the modifier "/F" for fixed, affixed at the end of the Resource Function designator. (i.e., CRF-M/F)
3. D-Star digital voice and data transceivers when substituted in a CFR shall be ordered as a Type III of that CFR.
4. See CRF full guide for equipment requirements

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