

AMATEUR RADIO PUBLIC SERVICE COMMUNICATIONS

Communicator Resource Types Equipment Guide

REV.-D

Resource typing definitions provide emergency managers, staging managers, and event coordinators with the information needed to request and receive resources they need during an emergency, disaster or event. It is used to identify and match communications tasks amateur radio operators typically perform at events and incidents. By providing your resource type when signing-up for an event, things go a lot easier for the coordinator, staging manager, or emergency manager in making assignments. This can provide a standard across amateur radio groups.

Common Items for all Resource Types

- Writing material (pen, pencil, writing pad, and message forms)
- Short duration personal support gear (Rain Gear/comfortable footwear) (Optional for special events)
- Portable power source for at least **12 hours** of typical operation
- All connectors RACES/ARES standardized
- Copy of amateur license and badge
- Transceiver operating instructions or summary guide

Resource Type S - (Shadow Operations)

This resource type defines basic equipment for operation of an amateur radio station as a foot mobile station while shadowing an event or incident official.

- Hand-held, 2 Meter (2M/440 preferred) FM synthesized transceiver with a minimum of 2.5 watts of output power with programmable CTCSS encoder - Type **S1** if less than 2.5 watts
- Standardized cigarette lighter power cord and clip lead adapter power cables
- Earphone or Headset attachment (VOX disabled)
- Adapter cable/bracket or mini-mag mount antenna for temporary vehicle duty with shadow

Resource Type B - (Base/Rest Stop/Shelter/Net Control)

This resource type defines basic equipment for portable operation of an amateur radio station as a base or fixed location. (Type **B/H** if station is a home station)

- 2 Meter (2M/440 preferred) Transceiver capable of at least 25 watts into the antenna (HT / amplifier combination is a viable alternative)
- Gain antenna (dual band preferred) with mast and support, coax with PL259s at each end, (25' minimum) and PL258 coupler. Extra coax cables may be needed (RG8X or better preferred)
- External speaker with 1/8" phone plug and/or earphones or headset attachment with VOX disabled
- Duct tape, miscellaneous adapters and comfort items (optional chair and table)

Resource Type M - (Mobile/SAG)

This resource type defines basic equipment for portable operation of an amateur radio station in a moving vehicle such as a car, truck, van, or bus. (Add **/P** if permanently installed in vehicle)

- 2 Meter (2M/440 preferred) Transceiver capable of at least 25 watts into the antenna (HT / amplifier combination is a viable alternative)
- Gain antenna (dual band preferred) with magnetic base and 15' of coax with PL259 connector
- External speaker with 1/8" phone plug and/or earphones or headset attachment with VOX disabled
- Cigarette lighter adapter and clip lead adapter power cables
- Duct tape, miscellaneous adapters and comfort

Resource Type H - (HF) (Strategic Communications)

This resource type defines basic equipment for portable operation of an amateur radio station for long and intermediate range communications. (Non-line of sight) (Add **/B** if fixed location)

- All modes HF SSB DC Transceiver with tuner capable for portable operation including antenna(s) and associated accessories. Common bands are 20, 40, and 80 meters. NVIS capability helpful for tactical situations

Resource Type D_ - (Digital) + (APRS) (HF) (Tracker) (Packet) (Network) (ATV)

These resource type equipment lists are self contained for the function noted. (Add **/S** if non portable)

- DA - Self contained portable APRS station including portable computer
- DH - Self contained portable HF digital system including portable computer
- DT - Self contained portable APRS tracker only
- DP - Self contained portable Packet station including portable printer
- DN - Self contained portable 802.() networking station
- DV - Self contained portable amateur television transmission station