

PUBLIC SERVICE COMMUNICATIONS

Communicator Resource Type Equipment Requirements

To expedite and match the amateur communicator's skill and equipment to a communications assignment, the following Resource Type equipment groups will be used. The amateur communicator determines a resource type based on their equipment. When signing-up for an event and providing your resource type to the coordinator or staging manager, things go a lot easier.

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)
- All connectors RACES standardized.
- Copy of amateur license and Badge.
- Transceiver operating instructions or summary guide.

Resource Type S - (Shadow Operations)

This resource type supports the 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 capable of 2.5 watts of output power with programmable CTCSS encoder. Mode **S1** if capable of 5 watts. (Preferred)
- Battery complement for at least 12 hours of typical operation.
- RACES 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 while shadowing.

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

This resource type supports the set-up and operation of an amateur radio station at a temporary location.

- 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 with connectors. (RG8X or better preferred)
- External speaker with 1/8" phone plug and/or earphones or headset attachment with VOX disabled.
- Portable power source providing at least 12 hours of typical operation.
- Duct tape, miscellaneous adapters and comfort items. (optional chair and table)

Resource Type M - (Mobile/SAG)

This resource type supports the set-up and operation of an amateur radio station from a moving vehicle such as a car, truck, van, or bus.

- 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.
- Portable power source providing at least 12 hours of typical operation.
- Cigarette lighter adapter and clip lead adapter power cables.
- Duct tape along with miscellaneous adapters and comfort items.

Resource Type D - (Digital)

DA (APRS) / DH (HF) / DM (Message) / DT (Tracker) / DP (Packet)

- DA - Self contained portable APRS station including portable computer.
- DH - Self contained portable HF digital system including portable computer
- DM - Self contained portable that can send/receive short APRS messages (D700/THD7AG)
- DT - Self contained portable APRS tracker only
- DP - Self contained portable Packet station including portable printer.

Resource Type H - (HF) (Strategic Communications)

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