

Ellis County Amateur Radio Club -RACES/ARES Training Material

BLMRS Designations

Base – Resource Type B

Limitation – Limitation to being assigned

Mobile – Resource Type M

RACES – If you are a RACES appointee

Shadow – Resource Type S

Basic Resource Type Equipment Requirements

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 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. **(Add B/F if station is a fixed/non-portable station)**

- 2 Meter (2M/440 preferred) Transceiver capable of at least 25 watts of output power and with programmable CTCSS encoder (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 of output power and with programmable CTCSS encoder (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 items

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. **(Indicate S1 if less than 2.5 watts)**

- Hand-held, 2 Meter (2M/440 preferred) Transceiver with a minimum of 2.5 watts of output power and with programmable CTCSS encoder
- Standardized cigarette lighter power cord and clip lead adapter power cables
- Earphone or Headset attachment (VOX disabled)

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- Adapter cable/bracket or mini-mag mount antenna for temporary vehicle duty with shadow