

Multnomah ARES/RACES High-Frequency Radio Operator Task List

HF Operator: In addition to ARRO certification, HF operators should demonstrate an ability to make local and regional contacts below 30 MHz without causing harmful interference. All leadership and team leaders with HF capabilities should receive this certification.

Print Full Name	Call Sign
Obtain and provide certificates indicating completion of the required FEMA and Multnomah County certifications	
<input type="checkbox"/> General Class license or above	<input type="checkbox"/> ARRO

Verbal Response

- _____ Explain which HF bands to use to make statewide contacts during day/night
- _____ Explain when & how to use RIT/Clarifier function
- _____ Explain when & how to operate using split transmit/receive
- _____ Explain proper station grounding & how to minimize RF exposure
- _____ Explain Near Vertical Incident Skywave
- _____ Explain how to determine current radio propagation conditions (include A- & K-index)
- _____ Explain how space weather affects radio signals
- _____ Explain how to prevent interference on HF bands (SSB)
- _____ Explain impedance matching and why it's important
- _____ Knows common HF prowords & Q-codes

Practicum

- _____ Calculate the length for a ¼ wave dipole for 20 and 40 meters
- _____ Demonstrate use of antenna tuner or proper antenna tuning
- _____ Demonstrate ability to make contacts on HF within and out of Oregon
- _____ Demonstrate procedure for changing transmit power
- _____ Demonstrate DSP, IF Filter, & gain adjustments

Items checked off by: (Initial and sign)

Reviewed and approved for certification by:

EC: _____