

Field Day Related Technologies May 7, 2019
7PM-9PM Pre meeting demos 6:30

Field day is practice for emergency operations – operating from portable, non-standard locations using emergency power, temporary antennas – in the field. As such there is much to know about equipment and getting the message through in emergency communications. This month's meeting is about technologies related to such communication.

Experts will tell and show critical elements of emergency communications as practiced at Field Day:

1. Power sources
 - a. Solar
 - b. Generators
 - c. Batteries
 - d. UPS
 - e. Filtering of transients
 - f. Power distribution
2. Radio bands and propagation
 - a. Frequency – skip zones – time of day – time of year
 - b. Solar conditions
 - c. Modeling
3. Types of radios and how to operate
4. Modes of operation FM, digital, CW, SSB
5. Personal and community safety, shelter, food, sun protection
6. Logging of messages and traffic
7. National Traffic System NTS Messaging
 - a. Nets
 - b. Forms
 - c. Winlink
8. EMCOM incident command
9. Supporting the community
 - a. ARES
 - b. CERT
10. Field radio station setup and organization
 - a. Transceiver
 - b. Antenna – band pass filters – cables – switches
 - c. Multi station set up and physical orientation
 - d. CW keys/paddles, microphone, headsets
 - e. Display/keyboard
 - f. Transporting equipment – safely