

Cherokee ARES

Weekly Net Training Topics and Exercises

The follow topics should be covered in our weekly training net. Before we proceed with an exercise an overview about what will occur should be given, this way anyone who is unable to participate or those who are new will understand.

Non-Exercise Discussion Topics:

Go-Box Contents

Go-Bag Contents

Emergency Power for the home station

Emergency Power for the mobile station

Surge protection on antenna and power systems

ICS Form 213, General Message – How to fill this out (Use GoToMeeting if Possible)

ICS Form 217A, Communications Resource Avail Worksheet – how to use (Use GoToMeeting if Possible)

ICS Form 205A, Communications List – How to use (Use GoToMeeting if Possible)

ICS Form 214, Activity Log – How to fill this out (Use GoToMeeting if Possible)

Exercises:

Radio Equipment Test

- Test Radio Operation: backup repeater, cross-band repeater and simplex
 - *Move to backup repeater and take check-ins*
 - *Move to cross-band repeater and take check-ins*
 - *Move to simplex frequency and take check-ins*
- Test HF: NVIS
 - *Move to HF Frequency and take check-ins*
- Test Emergency Power
 - *Have users switch to emergency power, simulated power outage*

TNC / Virtual TNC

- Test Digital Mode: VHF/UHF Packet TNC-to-TNC
 - *Move to packet repeater frequency and take check-ins*
 - *Move to packet BBS frequency and leave message in BBS for NCS*
 - *Issue MHEARD command on local TNC*
 - *Move to packet BBS and issue MHEARD command*
 - *Move to packet repeater frequency and connect to another station*
 - *Move to packet repeater frequency and have stations leave message in the NCS personal BBS*

Winlink

- Confirm Winlink Express and Winlink Forms Versions
- Review basic program usage and operation
- Test Digital Mode: Packet/Telnet Winlink Express
 - *Move to VHF/UHF packet repeater frequency and take check-ins with Winlink Template ICS Form 213, General Message. This is Peer to Peer.*
 - *Move to HF/VHF/UHF gateway frequency or Telnet and take check-ins with Winlink Template ICS Form 213, General Message*
 - *Move to HF/VHF/UHF simplex frequency or Telnet and take check-ins with Winlink Template ICS Form 213, General Message*

FLDIGI

- Confirm FLDIGI, FLMSG and FLAMP Versions
- Review basic program usage and operation
- Test Digital Mode: Fldigi
 - *Move to VHF/UHF digital simplex frequency and take check-ins with Fldigi*
 - *Move to VHF/UHF digital simplex frequency and take ICS Form 213, General Message check-ins with Flmsg*
 - *Move to VHF/UHF digital simplex frequency and take check-ins with Flamp*

DSTAR Digital Voice

- Test Digital Mode: DSTAR Digital Voice
 - *Move to DSTAR Repeater and take check-ins*
 - *Move DSTAR to new reflector and take check-ins*
 - *Move to two separate DSTAR repeaters, link reflectors and take check-ins*
 - *Move to two separate DSTAR repeaters, and demonstrate call sign routing*
 - *Move to DSTAR Simplex Frequency (HF, VHF, UHF) and take check-ins*

DSTAR Digital Data (DRATS)

- Test Digital Mode: DSTAR Digital Data (DRATS)
 - *Move to DSTAR Repeater and take check-ins*
 - *Move to DSTAR Simplex Frequency (HF, VHF, UHF) and take check-ins*
 - *Move to two separate DSTAR repeaters, link reflectors and take check-ins*
 - *Move to the Georgia ARES D-STAR RATFLECTOR and take check-ins*
 - *Move to two separate DSTAR repeaters, and demonstrate call sign routing*

DMR Digital Voice

- Test Digital Mode: DMR Digital Voice
 - *Move to DMR Repeater and take check-ins*
 - *Move DMR to new reflector and take check-ins*
 - *Move to two separate DMR repeaters, link reflectors and take check-ins*
 - *Move to DMR Simplex Frequency (VHF, UHF) and take check-ins*

NIFOG and AUXFOG (FOG and Smartphone Application)

- Remind users of the apps and where to download them
- On the fly quizzes
 - *Ask questions from information provided in FOGs like RX Frequency of 8TAC91, make a game out of it. Ask 10 questions and keep score, announcing the winner at the end*

Smartphone Notification Application

- Perform Monthly test of notification app for Medical, EOC, and Deployment Teams

GPS Position Acquisition and Reporting

- Instruct net participants to visit <https://findmesar.com> on their smartphones and report their location in Decimal degrees format (Yellow background)

Reminders for every net:

- NIFOG and AUXFOG App
- Facebook Group
- Groups.io Email Group
- Monthly Meeting
- Group Code plugs for radios available on the Facebook page
- Level 1 and 2 requirements (Cherokee ARES Checklist available on the website)
- Available positions for each of the teams