Radio Amateur Civil Emergency Service
Amateur Radio Emergency Service (ARES®)
Garland, Texas

Emergency Operations Frequency Plan (Initial Response)

This plan presents a set of operational frequencies for initial response and general use to an incident or event. Frequency assignments may change as the situation warrants. Net Control will manage and advise of any and all changes.

Repeaters :

Garland RACES Primary [Channel 1] = 146.6600 MHz (-) (110.9 HZ)

- This frequency shall be used as necessary to conduct a local Controlled Net for the purpose of a GRACES/ARES® activity – This is the local **Tactical Net Frequency**

Garland RACES Secondary [Channel 2] = 147.2400 MHz (+) (110.9 Hz)

- This frequency shall be used as necessary to conduct a local Controlled Net for the purpose of supplementing the Primary frequency or for the purpose of a GRACES/ARES® activity - This is the local **Resource Net Frequency**

Garland RACES Administrative = 442.7000 MHz (+) (110.9 HZ - 110.9 Hz)

- This frequency shall be used as necessary for coordination of operations and to pass command traffic associated with the Primary or Secondary frequencies supporting a GRACES/ARES® activity - This is the local **Command/Control Net Frequency**

<u>Loss of Repeater -</u>

- If a loss of repeater occurs during a net or operations, <u>all participants are to remain on net frequency</u> and listen for instructions from Net Control
- Net control will switch to simplex on the repeater output frequency and provide instructions for continuing net or operations { switch to simplex, move to an alternate simplex frequency or repeater, etc. }
- ANCS stations support NCS as relays if net or operations moves to a simplex frequency
- Net Control will determine when to return to normal operation

Simplex :

Garland RACES Backup/Staging #1 [Channel 3] = 147.5400 MHz (SIMPLEX)

- This frequency shall be used as the MAIN backup whenever the primary and secondary repeaters are not usable
- This frequency will also be used for 1st level staging area communications
- This frequency will also be used for <u>Zone 1 or Battalion 1</u> simplex communication

Garland RACES Backup/Staging #2 = 146.5400 MHz (SIMPLEX)

- This frequency shall be used as SECONDARY backup as needed to support any communications need
- This frequency will also be used for 2nd level staging area communications
- This frequency will also be used as <u>Zone 2 or Battalion 2</u> simplex communications

Net Control may reassign frequencies based on tactical communications requirements.

Frequency and Tone Suggestions for Remote Base Operation (Cross-Band)

- Select one of the following recommended frequencies for your Auxiliary Remote mobile operating frequency with a transmit CTCSS of 110.9Hz: 445.7750, 445.8000, 445.8250, 445.8500, 445.8750, 445.9000, 445.9250
- Set cross-banding transceiver to the frequency you select on the 70cm side with CTCSS 110.9Hz decode and assigned frequency on the 2 meter side. Refer to your transceiver documentation for cross band set-up

Digital Frequency Assignments

- Winlink VHF/UHF Messaging : WG5EOC-10 - 144.9300 Simplex, Digi on -5 (1200Bd Packet & Vara FM) | WG5EOC-9 - 446.1500 Simplex (1200 Bd - RMS Packet) Both interface to RMS Relay (CMS access)
- Packet BBS and Messaging : N5CXX-1 - 145.0500 Simplex
- APRS : 144.3900 Simplex-Alternate - 144.3400 Simplex