

U.S. Department of
Homeland Security
**United States
Coast Guard
Auxiliary**



Telecommunications Division
National Operations Department





CG Auxiliary HF Contingency Communications





Program Purpose

To create an infrastructure independent, nationwide communications system for use within and between Districts for support of Auxiliary operations during periods when normal communications resources are not available and to supplement CG communications assets as required.





Program "Philosophy"

To create a comms resource which will be available to the Auxiliary, CG, and other agencies as directed, to provide communications capability (voice, image, data) in support of Auxiliary and CG activities over a large geographic area for response to "events" (planned and unplanned) and to facilitate "interoperability"





AUXRADSTA Activities

1. Participate in CG Auxiliary HF net activity;
2. Participate in drills and other communications tests;
3. When specifically designated by the program coordinator, participate in other government communications networks;
4. Supplement CG Comms assets when designated by CG commands or the Program Coordinator.

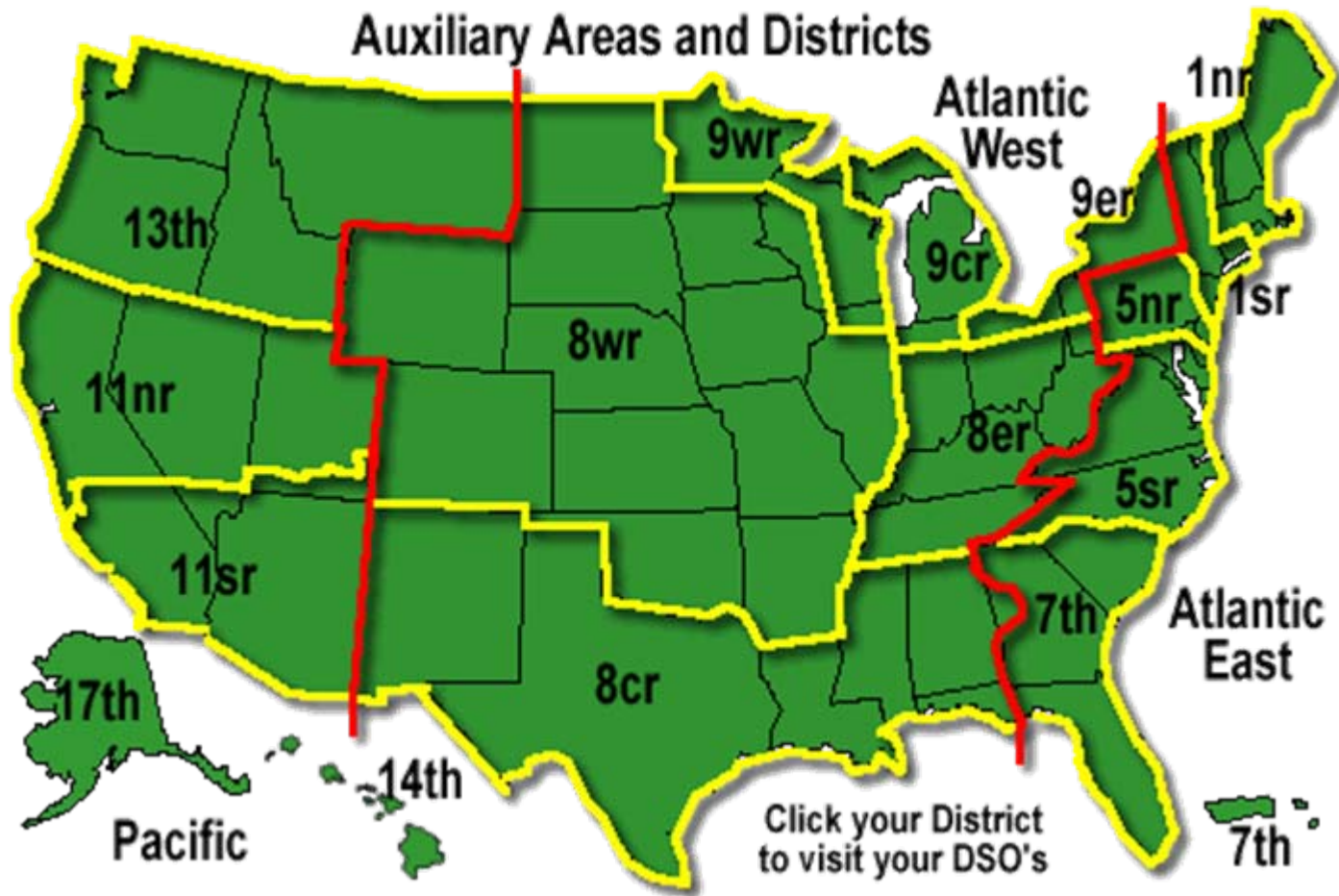




"Net" Structure

- Up to four levels of nets: National, Regional, District, Local
- All are "directed" nets
- Net Control Stations are designated by the program coordinator
- District and local nets provide linkage to local Auxiliary operational assets via connections to AUX VHF and Marine VHF nets.







Regional Structure

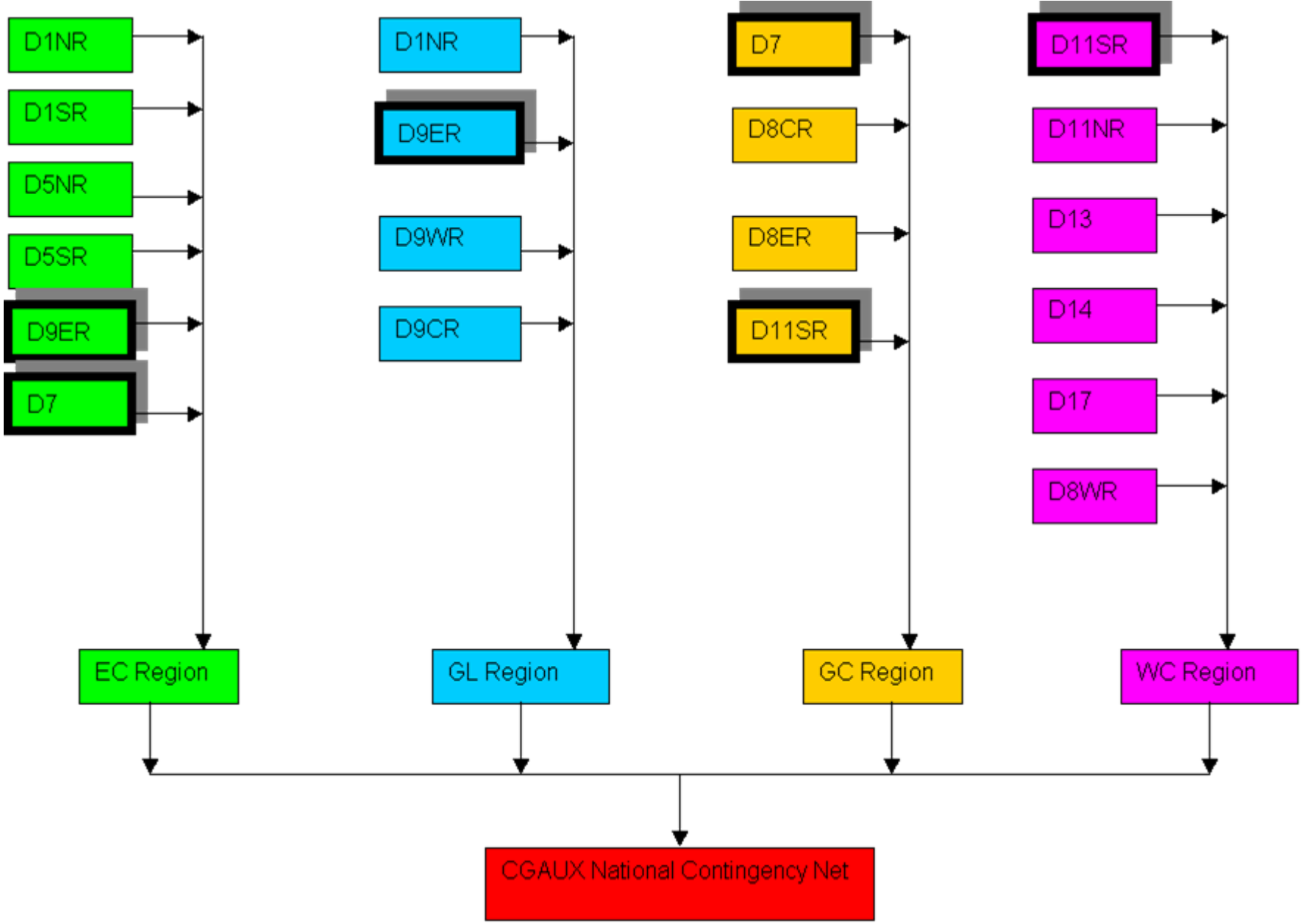
East Coast: D1(nr), D1(sr), D9(er), D5(nr), D5(sr) D7

West Coast: D11(sr), D11(nr), D13, D8(wr), D14, D17

Gulf Coast: D8(cr), D8(er), D11(sr), D7

Great Lakes: D9(er), D9(cr), D9(wr), D1(nr)







Spectrum Resources

- Authorized through CG-622 and CG-3PCX and AUX National Executive Committee
- Total of 33 HF channels between 2 MHz and 23 MHz
- Grouped into 8 blocks to facilitate frequency selection for optimum geographic coverage
- Channels are authorized for USB and for data, maximum emission bandwidth is 3 kHz





COMMSTA Assets

- Initial set of AUXRADSTA's authorized for the program consists of about 80 facilities with HF capability
- All have been inspected and "accepted for use" by District DIRAUX's
- All Districts are covered
- Total number is expected to grow to about 100 AUXRADSTA's





Events to Date

- "Policies & Procedures" approved and published, August 2006. See <http://www.auxodept.org/telecoms.htm>
- First test Regional and District nets held October 2006
- Database of authorized AUXRADSTA's validated
- First National net session held 26NOV06





Future Plans

1. Regularize net test schedule (February 07)
2. Stand up all Districts (February 07)
3. Finalize AUXRADSTA's (April 07)
4. Establish monthly web-based training sessions for operators (March 07)
5. Encourage net participation by active duty units (Sectors, CAMS) (February - April 07)





Future, future plans

1. Create AUXCOMMS DOG (Deployable Operations Group) Teams
2. Participate in Sector/District COOP
3. Conduct "deployed mobile" exercise (June 07)
4. Conduct tests of "digital data" comms for record traffic (Spring/Summer 07)





Results to Date

- District nets operational in D11, D13, D7, D5, D8(cr)
- Regional nets operational in East Coast, West Coast, and Gulf Coast regions
- First National net held 26NOV06.

Approximately 50 COMMSTA's; coverage of D1, D5, D7, D8, D11; one hour long "loud and clear" coast to coast; D14 to East Coast with one relay

- 2nd national net session scheduled for 10DEC06

