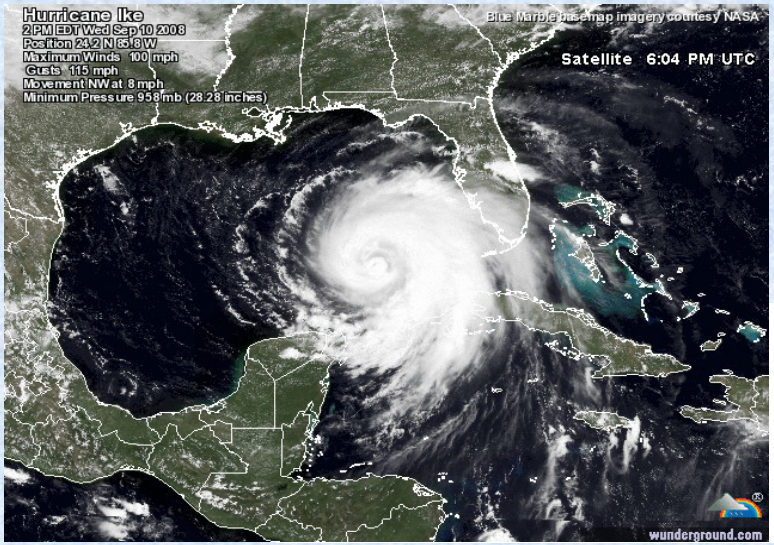
U.S. Coast Guard Auxiliary Telecommunications

DDC-R
N-TRAIN 2013



DSO-CM Job Description

The DSO-CM is responsible for providing Auxiliary communications to the Coast Guard and other agencies and organizations devoted to:

- life saving
- boating safety
- disaster response
- protection of environment

DSO-CM Job Description (cont.)

1. Promote/facilitate development of comms assets (human & equipment)
2. Ensure training, surface, air, mobile, watchstanding
3. Establish comms goals with District Bridge and DIRAUX
4. Develop Division/District Emergency integrated comms plans for HF and VHF

DSO-CM Job Description (cont.)

5. Support Division counterpart staff comms training re District and National policies
6. Provide regular reports to chain
7. Respond to National Staff re: comms info
8. Establish liaison and good relationship with CG units
9. Ensure that all member (VE/MDV/PE) have accurate and current information regarding comms, rules, equipment, etc.
10. Other duties as requested/assigned

MISSIONS

A variety of programs and components are employed to accomplish these core missions:

- Operational Communications
- Contingency Communications
- AUXMON Mission
- Special Mission Communications

LEADERSHIP AND MANAGEMENT

- Chain of Leadership / Management is through the Flotilla, Division, and District
- Program management is provided by the Response, Communications Division
- Additional oversight provided by the CG 652 and CAMS

ASSETS / COMPONENTS

- Operators
- Equipment
- Spectrum/Frequencies
- Policy

ASSETS / COMPONENTS

- Qualified Members
  - Telecommunications Operators (TCO's)
    - or AUXCOM prior to 01 Aug. 2008
  - Watchstanders
  - COMLs
- Telecommunications assets are offered for use by:
  - Members
  - AUX units

VHF and HF

- VHF-FM Area A-1 (<25nm)
  - Marine band (part 80)
  - Aviation (part 87)
  - Land Mobile Radio - LMR (part 90)
- HF Area SOLAS A-2 (25-200nm)

OPERATIONAL COMMUNICATIONS

- Directly support Auxiliary (AUX) surface and air missions to include Marine Domain Awareness (MDA)
- Directly support CG surface and air assets during joint operations
- Support special CG operations with AUX assets and personnel (i.e. DWZ)

Spectrum Resources

- HF
  - Total of 33 HF channels between 2 MHz and 23 MHz
  - Grouped into 8 blocks to facilitate frequency selection for optimum geographic coverage
  - HF channels are authorized for USB and for data, maximum emission bandwidth is 3 kHz
- VHF
  - Marine band
  - Narrow band (5 assigned freq.)
  - Repeaters

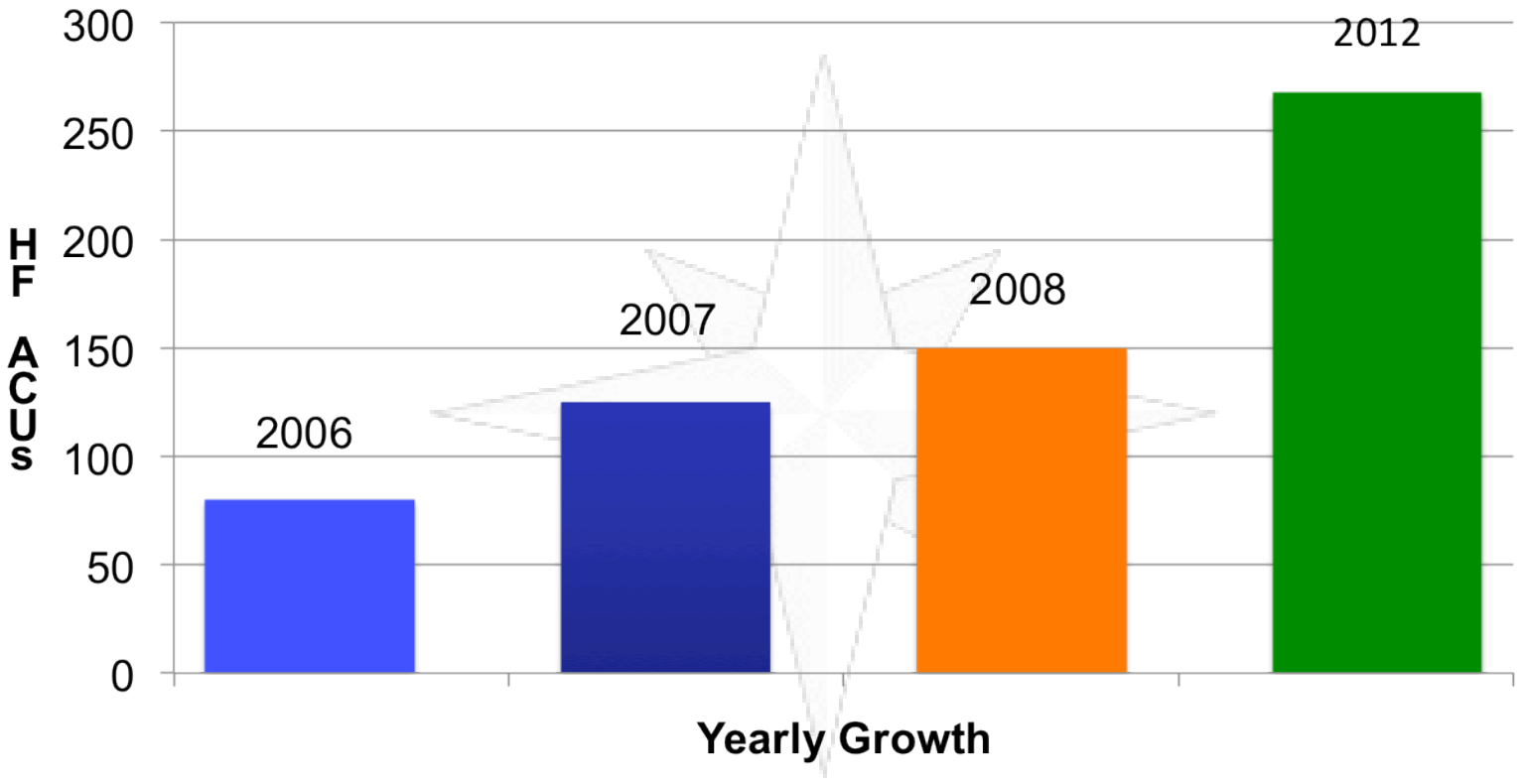
CONTINGENCY COMMUNICATIONS

- During loss of normal communications and / or to support CG surge operations
- Provide radio-based services for alerting, personnel recall, and distribution of messages
- Provide communications capability to DCO's when other modalities fail

HF Network Management

- District Nets
  - Managed by DSO-CM or designee
- East Coast Regional Net
  - D1(NR), D1(SR), D9(ER), D5(NR),
  - D5(SR), D7
- West Coast Regional Net
  - D11(SR), D11(NR), D13, D8(WR), D14, D17
- Gulf Coast Regional Net
  - D8(CR), D8(ER), D11(SR), D7
  - Hurricane Net add: D5(SR), D5(NR), D1(SR), D1NR)

HF ACU Program Growth



U.S. Coast Guard Auxiliary
HF Net Activity

U. S. COAST GUARD AUXILIARY National HF Net Activity													
District HF Nets	(number of nets/number of participants)												
2012	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	Comments
District 013 (D1N)	n/r	n/r	1/2	1/3	n/r	n/r							
District 014 (D1S)	1/8	1/5	n/r	1/12	n/r	n/r							
District 053 (5N)	note 2	note 2	note 2	note 2	note 2	note 2							
District 054 (5S)	1/15	1/15	1/16	1/18	1/16	1/14							
District 070	1/6	1/5	3/25	3/28	5/33	1/6							
District 081 (CR)	5/58	6/54	8/68	7/83	7/28	5/26							
District 082 (ER)	2/10	2/10	3/14	2/17	1/3	1/4							
District 085 (WR)	3/21	3/30	2/21	2/38	2/26	2/28							
District 091 (CR)	n/r	n/r	n/r	n/r	n/r	n/r							
District 092 (ER)	n/r	n/r	n/r	n/r	n/r	n/r							
District 095 (WR)	n/r	n/r	n/r	n/r	n/r	n/r							
District 113 (NR)	3/11	5/21	4/18	4/11	5/12	4/14							
District 114 (SR)	3/14	5/73	4/54	4/67	5/78	4/70							
District 13	1/36	4/33	3/19	5/61	4/45	4/36							
District 14	n/r	n/r	n/r	n/r	n/r	n/r							
District 17	4/31	3/24	2/15	2/21	3/22	3/33							
Regional HF Nets													
East Coast Net	1/20	1/7	1/17	1/18	1/15	1/13							
West Coast Net	3/61	5/105	4/80	4/82	5/98	4/90							
Gulf Coast Net	1/7	1/10	1/10	1/8	1/10	1/8							
Great Lakes Net	n/r	n/r	3/15	1/6	2/6	2/8							
Notes:													
1. n/r = no report													

AUXMON

- AUXMON is a CG direct support mission
- SOLAS Quality control monitoring for the Communications Area Master Stations (CAMS) marine HF broadcasts:
  - CAMSLANT, Chesapeake, VA
  - CAMSPAC, Pt. Reyes, CA
  - COMMSTA, Kodiak, AK
- NAVTEX, SITOR, WEFAX, VOBRA


COAST GUARD
COMMUNICATION AREA MASTER
STATION ATLANTIC
NMN

U.S. Coast Guard Auxiliary Telecommunications

AUXMON B/Z from CG 652

21 JUN 2012

"Thanks to the AUXMON team for the strong, consistent support you have provided us since the Auxiliary Monitoring (AUXMON) safety broadcast monitoring effort was established some years ago. Since that effort came into effect, the quality of our HF broadcasts from the CAMS and COMSTAs have demonstrably improved and problems we'd see often in the past, particularly with weatherfax, have been significantly reduced.

As you know, IMO and Commandant Instruction M2000.3 requires us to monitor our safety broadcasts to ensure their quality control, but until the CG Auxiliary stepped up we were not always able to meet that requirement."

V/R

Joe Hersey

Chief, Spectrum Mgt & Telecomms Policy Div (CG-652)

HF B/Z from USCG CAMSLANT

September 28, 2012

"*I want to pass my personal thanks for the dedicated efforts you provided during our recent outages at Sector Boston and Sector NOLA. Your individual contribution toward the monitoring of calls in support of Safety of Life at Sea is remarkably commendable and even more so, the more that 1600 total hours the auxiliary monitored for calling and distress, over five days, are truly outstanding*

Again please accept my most sincerest appreciation, Bravo Zulu for the support that you have provided to my command, but more importantly for the lives you helped to save and those you stand ready to assist. I look forward to working with all of you in the future."

F.E. Pedras,Jr., CAPT

Commanding Officer, CAMSLANT

U.S. Coast Guard

SPECIALIED COMMUNICATIONS

- Provide support to monitor GMDSS HF/MF response system (voice and data) and other GMDSS maritime systems to augment active duty CG
- Mission requested by USCG Headquarters (CG-652), USCG CAMSLANT and USCG CAMSPAC

SOME NUMBERS

- 48 AUXMON observers
- 427 Monthly AUXMON hours
- 1400+ Telecommunications Operators
- 5 COMLs
- 1000+ Watchstanders
- 1350 Monthly Watchstander hours
- 268 HF Stations

SUMMARY

- The Telecommunications Response Division manages programs
- We have customers (You**!**) and we strive to identify and meet their requirements
- We measure our progress

COMMUNICATIONS

“Communications is the real work of leadership”

Nitin Nohria – Dean, Harvard Business School