

Monitoring Times Government and Military Frequency/Designation List by Larry Van Horn, N5FPW

This list is copyright © 2006 by Larry Van Horn. All rights reserved. This is for the personal use of *MT* subscribers and readers only. Redistribution of this file in any form or through any other vehicle without permission of the author is strictly prohibited. Absolutely no further distribution of this file via the internet is permitted.

UNITED STATES MILITARY LISTINGS

Joint Chiefs of Staff Nets

High Frequency Global Communications System (HF-GCS)



The U.S. Air Force High Frequency (HF) Global Communications System (HF-GCS) is a worldwide network that currently consist of 14 high-power HF stations which provide air/ground HF command and control radio communications between all Department of Defense (DoD) ground agencies, aircraft and ships. Allied military and other aircraft are also provided support in accordance with agreements and international protocols as appropriate. The HF-GCS is not dedicated to any service or command, but supports all authorized users on a traffic precedence basis.

On June 1, 1992, the former Global HF System (GHFS) was created by consolidating other U.S. Air Force (USAF) and U.S. Navy (USN) HF networks, including the USAF Global Command and Control System (GCCS), the Navy's Ship-to-Shore High Command (HICOM) network, and the dedicated Strategic Air Command (SAC) Giant Talk System. The goal of the merger was to develop one worldwide non-dedicated HF network capable of providing Command and Control (C2) HF communications support to all authorized DoD aircraft and ground stations. As of 1 October 2002, the former GHFS network is now known as the HF Global Communications System (HF-GCS).

The old high power HF equipment being utilized within the HF-GCS has now been replaced with "Scope Command" equipment. Scope Command incorporates Automatic Link Establishment (ALE) technology for use over HF. Scope Command is not the name for this network as some have indicated in the past post to radio newsgroups. It is the name of the equipment upgrade being done to the network. In January 2003, all HF-GCS station transmit and receive equipment is remotely controlled from the Centralized Net Control Station (CNCS) at Andrews AFB, Maryland.

This ALE technology automates many of the functions performed by the operator such as selecting the best propagating frequency from a list of authorized frequencies.

Net Procedures

General Calling – Aircrews use a call sign as outlined in ACP-121 US Supplement 2 using the collective

call sign "MAINSAIL" or their HF-GCS station call sign (example: Sigonella Global this is Dark 86 on 11175, over). HF-GCS operators require approximately 10 seconds (for automated equipment configuration) to respond to calls for service. The HF-GCS operator can request that the aircraft change to a discrete frequency for improved and/or extended service.

Phone Patch Service – Phone patching allows direct voice communications between ground agencies and aircraft by electronically connecting telephone circuits to radio transmitters and receivers. The HF-GCS phone patch service is reserved for official unclassified business and a patch shouldn't exceed five minutes. Patches of more than five minutes or of a sensitive nature are normally run on a discrete frequency. Aircrews requesting a phone patch pass along all information necessary for HF-GCS operators to complete the call, such as the identity or location

of the called parties and telephone number, if known. Phone patches are monitored by HF-GCS operators and if radio reception isn't of sufficient quality to complete the patch, they will attempt to copy the traffic and relay it to addressees for the unit making the patch.

Message Relay Service – HF-GCS operators transcribe encoded or plain-text messages for aircraft or ground stations and forward them to the addresses by radio or landline. The text of the messages can be in the form of alphanumerics, code words, plain text, acronyms, and/or numerical sequences. Aircrews may use "READ BACK" procedures when the message data is critical, or when an incomplete transmission is suspected due to poor radio reception. All messages received by Global stations will be accepted and delivered by the fastest means available according to precedence and priority.

Published Frequency Listing – HF-GCS stations operate on "core" or published frequencies to provide increased "Global" coverage. The published frequency listing does not reflect complete system frequency authorizations. These published frequencies are used for initial contact, EAM broadcasts, and short term C2 phone patch and message delivery. Other extended or special services will be moved to each station's available pool of "discrete" frequencies. Any and all known discrete frequencies for these stations have been incorporated into our list below in the HF-GCS station listings.

Frequency Guide – The frequency guide below is used by units contacting this net and is designed to optimize their air/ground communications.

8992.0	11175.0 kHz	Primary Frequencies	24 Hours
13200.0	15016.0 kHz	Back up Frequencies	Daytime
4724.0	6739.0 kHz	Back up Frequencies	Nighttime

Commonly heard callsigns

Brickwall	Osan Air Mobility Control Center (AMCC)
Denali	Elmendorf Air Mobility Control Center (AMCC)
Hilda Global	Tanker Airlift Control Center Scott AFB
Mainsail	Authorized users may contact and request service from Global HF System stations by using the general net air-ground call sign "MAINSAIL". Any Global station hearing the call "MAINSAIL" will respond and provide the requested service.
S4JG	A universal Navy call sign assigned to Patrol Squadrons (VP) for use in radio checks. Instead of using the briefed, tactical call sign, the Navigation/Communications operator on the P-3C Orion aircraft would use S4JG on voice and also teletype to get a communications check with a Tactical Support Center (TSC), HF-GCS station or Anti-Submarine Warfare (ASW) Operations Center (ASWOC). In theory by using S4JG, the tactical call sign is less likely to be compromised.
Skybird	The collective call sign for all U.S. Strategic Command (USSTRATCOM) command posts, launch control centers, Global HF stations, Air Traffic Control (ATC) towers on Air Combat Command (ACC)/Air Mobility Command (AMC) host tenant bases, Single Sideband (SSB) HF radio stations, and air defense sites in Canada.
Skyking	The collective call sign for all Single Integrated Operational Plan (SIOP) committed aircraft and missile crews. Its meaning is "all SIOP committed aircraft and missile crews copy the following message."
Skymaster	The collective callsign to all USSTRATCOM airborne command post.
Tracker	US Air Force Europe Tanker Recce Airlift Control Center (UTRACC)

The current station list for the HC-GCS net is as follows:

Andersen AB, Guam (Voice call Guam Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Andrews AFB, Maryland (Voice call Andrews Global) HC-GCS CNCS

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Discrete Frequencies: 8058.0 11053.0 11159.0 11181.0 11214.0 11220.0 13960.0 14863.0 18015.0 kHz

Ascension Island (Voice call Ascension Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Discrete Frequencies: 9043.0 11159.0 11226.0 14497.0 kHz

Croughton AB, United Kingdom (Voice call Croughton Global)

4724.0 6712.0 8992.0 11175.0 13200.0 15016.0 kHz

Discrete Frequencies: 4894.0 5708.0 5117.0 6728.0 6731.0 6993.0 7567.0 7933.0 8032.0 9025.0 10648.0

11118.0 11129.0 11180.0 11181.0 11220.0 11226.0 11232.0 11271.0 13822.0 15042.0 15091.0 kHz

Diego Garcia NS, Indian Ocean (Voice call Diego Garcia Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Discrete Frequencies: 9012.0 11181.0 11226.0 11244.0 11269.0 13254.0 15095.0 20910.0 kHz

Elmendorf AFB, Alaska (Voice call Elmendorf Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Hickam AFB, Hawaii (Voice call Hickam Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Discrete Frequencies: 11181.0 13242.0 kHz

Lajes AB, Azores (Voice call Lajes Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Discrete Frequencies: 11220.0 13440.0 14896.0 23265.0 kHz

McClellan, California (Voice call McClellan Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Offutt AFB, Nebraska (Voice call Offutt Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Discrete Frequency: 10589.0 11053.0 11159.0 11181.0 12087.0 kHz

Salinas, Puerto Rico (Voice call Puerto Rico Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 Khz

Discrete Frequencies: 7690.0 9006.0 10648.0 11056.0 11220.0 11484.0 15087.0 kHz

Sigonella NS, Sicily, Italy (Voice call Sigonella Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Yokota AB, Japan (Voice call Yokota Global)

4724.0 6739.0 8992.0 11175.0 13200.0 15016.0 kHz

Notes: The Air Force Eastern Test Range (AFETR) HF Network may be used as a backup to GLOBAL. The net can be contacted on 10780.0 kHz/USB (primary) and 20390.0 kHz/USB (secondary) using the call sign of CAPE RADIO. Another backup to the HF-GCS is profiled below in the US Air Force MARS section.

DoD Emergency Action Message (EAM) Broadcast Time Slots

These broadcast are commonly heard on HF-GCS primary frequencies plus 11244.0 kHz. Please note that not all HF-GCS published frequencies are active for every EAM broadcast time slot listed below. Also some of the activity listed below is not on HF-GCS published frequencies, but on other selected discrete frequencies.

For an in-depth discussion on what an EAM is, see the utility information file on the *Monitoring Times* website at <http://www.monitoringtimes.com>.

H+00	HF-GCS Offutt AFB, Nebraska
H+05	HF-GCS Andersen AB, Guam HF-GCS Croughton AB, United Kingdom
H+07	USN E-6 TACAMO LANT aircraft (6697.0/13155.0 kHz)
H+08	USN E-6 TACAMO aircraft HF-GCS six character EAMs "FOR..."
H+09	HF-GCS McClellan, California
H+14	USN E-6 TACAMO PAC aircraft (6697.0/13155.0 kHz)
H+20	HF-GCS Salinas, Puerto Rico
H+21	HF-GCS Offutt AFB, Nebraska
H+25	USSTRATCOM Looking Glass mission aircraft
H+29	HF-GCS Sigonella Naval Station, Sicily
H+30	HF-GCS Andrews AFB, Maryland
H+34	HF-GCS Hickam AFB, Hawaii
H+35	HF-GCS Croughton AB, United Kingdom
H+37	USN E-6 TACAMO LANT aircraft (6697.0/13155.0 kHz)
H+38	USN E-6 TACAMO aircraft HF-GCS six character EAMs "FOR..."
H+40	HF-GCS Elmendorf AFB, Alaska
H+44	USN E-6 TACAMO PAC aircraft (6697.0/13155.0 kHz)
H+46	Unknown station
H+49	HF-GCS McClellan, California
H+50	HF-GCS Lajes AB, Azores
H+55	USSTRATCOM Looking Glass mission aircraft
H+59	HF-GCS Sigonella Naval Station, Sicily

Earlier examples of this broadcast schedule can be seen in the various 1980s editions of the Grove Shortwave Directories (usually on page 5 for those that still have them). Those minute stamps were also used for the then common "standing by for traffic" calls heard from the various GIANT TALK ground stations operating under their pre-92 daily changing call sign aliases.

The FOXTROT (SKYKING) messages are also common, or at least they used to be. You should generally hear more than two over any 24 hour period. Of interest, the preface to the FOXTROT broadcasts that would name the echoing ground stations have not been heard (here) since maybe sometime in April 2003 (around the end of major combat in Iraq). I've heard no instance of a request to DIEGO GARCIA or anyone else since around that time, just the occasional FOXTROT broadcast from ANDREWS or whoever. They dropped the DECENT, ENLIST, FAIRLY, EYESTRAIN, DEFROSTER echo requests sometime around September 2001 to be replaced with plaintext station names (DIEGO GARCIA, CYPRUS FLIGHT WATCH, etc) after 9/11.

Busiest frequencies are 8992.0 kHz ("Eight-Niner") and 11175.0 kHz ("Triple-1"), which most stations guard around the clock. The others operate on a schedule which changes twice yearly, on the first of April and October. The upper sideband (USB) mode is used on all HF-GCS frequencies listed above.

Note: The data signal you will on 9025.0 kHz is ALE which is a computerized system that simplifies HF operation (see section below). Older frequency circulated on the internet continue to list 8968.0 and 17976.0 kHz,

but these were removed from HF-GCS service several years ago.

HF-GCS Scope Command HF ALE Network

HF-GCS ALE Network frequencies (USB/ALE):

3137.0 4721.0 5708.0 6721.0 9025.0 11226.0 13215.0 15043.0 18003.0 23337.0 kHz

The ALE system used by the JCS HF-GCS network is designated MIL-STD-188-141A. You can download a software program developed by Dr. Charles Brain to decode these digital transmissions at

<http://www.chbrain.dircon.co.uk/>

ALE allows automated ground agency contact by selecting the best station and best frequency without operator interaction. ALE radios make this possible by using a datafill that contains frequency, station and other pertinent information. For ALE radios to operate properly, the radio must have a loaded datafill, be turned on in the "automatic" mode and remain there the duration of the flight. If the radio is removed from the ALE mode, history tables will require time to rebuild and initial communications may be slightly degraded.

Net participating stations, identifiers and specific frequency assignments used in the HF-GCS ALE net:

ADW	Andrews AFB, MD USA	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz
AED	Elmendorf AFB, AK USA	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz
CRO	RAF Croughton, UK	3137 4721 6721 9025 11226 13215 15043 18003 23337 kHz
GUA	Andersen AFB, Guam	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz
HAW	Ascension Island	3137 4721 6721 9025 11226 13215 15043 18003 23337 kHz
HIK	Hickam AFB, Hawaii	3137 4721 6721 9025 11226 13215 15043 18003 23337 kHz
ICZ	Sigonella, Sicily Italy	3137 4721 5708 6721 9025 11226 13215 15043 18003 kHz
JDG	NSF Diego Garcia	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz
JNR	Salinas, Puerto Rico	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz
JTY	Yokota AB, Japan	3137 4721 6721 9025 11226 13215 15043 18003 kHz
MCC	West Coast (McClellan), CA USA	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz
MPA	Mt. Pleasant, Falkland Island	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz
OFF	Offutt AFB, NE USA	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz
PLA	Lajes AB, Azores	3137 4721 5708 6721 9025 11226 13215 15043 18003 23337 kHz

Selected non HF-GCS stations observed in this net:

CEF	439AW, Westover AFB, MA
GVT	Raytheon, Greenville, TX
IKF	NAS Keflavik, Iceland (HF-GCS facility closed)
OKC	Oklahoma City (Tinker AFB), OK
RIC	CAP Region 2 MER/CAP National Technology Center, Richmond, VA
RSC	Rockwell Scope Command Facility, Greenville, TX
TAG	Incirlik AB, Turkey (HF-GCS facility closed)
WRL	Warner-Robins AFB, GA

Preset telephone number codes imbedded in Scope Command ALE command lines:

PCHS	Charleston Command Post
PDOV	Dover AMCC
PERT	Rota
PMET	Hilda Metro
PPLA	Lajes AB
PTAE	Hilda East
PTAR	Ramstein AB
PTAW	Hilda West
PWRI	McGuire AFB

NIPR/SIPR HF ALE Network

SIPR (Secret Internet Protocol Router) Network Frequencies

(USB/ALE): 3113.0 5702.0 5902.0 6715.0 8968.0 9044.0 11181.0 15091.0 17976.0 27870.0 kHz

SIPR Gateway/Frequency Matrix

ADWSPR	Andrews AFB, Maryland	3113.0 5702.0 6715.0 8968.0 9044.0 11181.0 17976.0 27870.0 kHz
AEDSPR	Elmendorf AFB, Alaska	6715.0 17976.0 kHz
CROSPR	Croughton AB, United Kingdom	5702.0 5902.0 6715.0 8968.0 11181.0 15091.0 17976.0 27870.0 kHz
GUASPR	Andersen AB, Guam	5702.0 8968.0 11181.0 15091.0 kHz
HAWSPR	Ascension Island	5702.0 6715.0 8968.0 11181.0 15091.0 17976.0 27870.0 kHz
HIKSPR	Hickam AFB, Hawaii	5702.0 5902.0 6715.0 8968.0 15091.0 kHz
ICZSPR	Sigonella AB, Sicily, Italy	5702.0 6715.0 8968.0 11181.0 15091.0 17976.0 kHz
JDGSPR	Diego Garcia, Indian Ocean	5702.0 6715.0 8968.0 9044.0 11181.0 27870.0 kHz
JNRSRPR	Salinas, Puerto Rico	3113.0 5902.0 6715.0 8968.0 11181.0 15091.0 17976.0 kHz
JTYSPR	Yokota AB, Japan	15091.0 kHz
MCCSPR	McClellan, California	5702.0 5902.0 6715.0 8968.0 11181.0 kHz
OFFSPR	Offutt AFB, Nebraska	3113.0 5702.0 5902.0 6715.0 8968.0 11181.0 15091.0 17976.0 kHz
PLASPR	Lajes AB, Azores	5702.0 6715.0 8968.0 11181.0 15091.0 kHz

NIPR (Non-Secure Internet Protocol Router) Network Frequencies

(USB/ALE): 3068.0 4745.0 5684.0 8965.0 10600.0 10830.0 11199.0 13242.0 17973.0 20631.0 kHz

NIPR Gateway/Frequency Matrix

ADWNPR	Andrews AFB, Maryland	3068.0 4745.0 5684.0 8965.0 11199.0 13242.0 17973.0 20631.0 kHz
CRONPR	Croughton AB, United Kingdom	3068.0 4745.0 8965.0 17973.0 kHz
HIKNPR	Hickam AFB, Hawaii	8965.0 kHz
ICZNPR	Sigonella NS, Sicily, Italy	4745.0 5684.0 8965.0 13242.0 17973.0 20631.0 kHz
JNRNPR	Salinas, Puerto Rico	8965.0 kHz
MCCNPR	McClellan, California	4745.0 5684.0 8965.0 13242.0 17973.0 kHz
OFFNPR	Offutt AFB, Nebraska	5684.0 8965.0 11199.0 13242.0 17973.0 20631.0 kHz

Mystic Star Network

This is a worldwide communications system, operated and maintained by elements of the United States Army, United States Navy, and United States Air Force under the control of the Defense Information Systems Agency (DISA) Operations Center. Its network provides worldwide communications by directly controlling radio equipment located at Global HF system stations. It consists of ultra high frequency satellite and HF networks supporting Presidential, Vice President, cabinet members and other senior government officials, Joint Staff, VIP (very important persons) and command airborne missions. The Mystic Star HF network consists of: a single master net control station (MNCS) located at Andrews AFB Maryland, interstation and intersite circuits, and relay and auxiliary communications subsystems. (Source Air Force Instruction 33-106)

Note: I have seen less and less monitor reports on this system over the last few years. It is widely believed that encryption is the reason for this decline in Mystic Star traffic.

Frequency/Designator Matrix (USB/LSB/Encryption)

F003 8036.0 F005 9120.0 F007 4850.0 F009 17972.0 F020 16117.0 F033 15962.0

F039 10881.0	F046 13823.0	F054 8058.0	F058 4742.0	F061 23265.0	F063 14870.0
F064 11214.0	F066 15036.0	F077 Unknown	F078 18532.0	F080 15677.0	F084 13205.5
F085 6993.0	F086 9461.0	F089 13204.0	F090 6716.0	F094 9017.0	F098 14585.0
F099 13247.0	F101 12106.0	F102 11118.0	F103 11488.0	F107 Unknown	F108 7316.0
F114 6986.0	F117 6993.0	F124 11217.0	F126 12087.0	F128 23242.0	F134 4942.5
F136 5429.5	F146 9027.0	F153 8063.0	F171 18403.5	F173 14420.5	F174 20650.0
F182 3078.0	F184 10648.0	F186 3046.0	F194 13825.0	F195 20631.0	F197 4982.0
F202 16014.0	F204 12057.0	F211 11056.0	F213 Unknown	F220 11181.0	F226 5435.5
F228 7735.0	F229 Unknown	F236 15041.0	F240 Unknown	F243 18590.0	F248 5398.0
F249 4731.0	F250 15091.0	F251 13217.0	F262 10717.0	F264 7693.0	F265 15733.0
F266 7997.0	F267 6730.0	F268 7325.0	F271 18320.0	F277 11153.0	F287 11226.0
F290 8026.0	F291 13960.0	F292 9414.5	F295 11460.0	F300 15707.0	F301 7500.5
F302 Unknown	F310 Unknown	F311 11220.0	F322 Unknown	F326 14864.0	F327 18716.0
F337 18761.0	F341 16083.0	F350 5043.0	F351 Unknown	F354 11053.0	F356 7827.0
F360 7919.5	F363 15018.0	F365 11059.0	F369 20397.0	F370 17177.0	F372 16123.0
F380 3144.0	F382 15094.0	F395 9057.0	F400 6728.0	F404 7690.0	F405 6972.0
F406 18393.0	F417 4992.0	F419 11407.0	F420 7933.0	F432 6731.0	F433 20972.0
F435 3821.0	F437 5684.0	F441 17440.0	F444 19267.0	F448 16-18 MHz	F451 13248.0
F452 5026.0	F453 19063.0	F461 13211.0	F463 4610.0	F464 16157.0	F465 8040.0
F466 14864.5	F467 9023.0	F476 4-6 MHz	F481 7605.0	F483 18626.0	F486 5152.0
F487 24483.0	F489 5437.0	F496 11059.5	F497 5411.0	F498 8032.0	F499 4442.0
F500 8989.0	F505 9006.0	F515 Unknown	F516 4645.0	F517 9270.0	F521 11484.0
F522 11232.0	F523 9215.0	F529 8077.0	F530 23325.0	F533 18675.0	F538 Unknown
F540 5404.5	F541 Unknown	F542 5431.0	F543 8083.0	F545 10580.0	F546 18400.0
F551 18331.0	F555 4894.0	F561 11052.0	F567 13565.0	F569 18387.0	F574 11413.0
F575 10427.0	F576 11153.5	F577 10544.0	F579 11 MHz	F595 10877.0	F600 13878.0
F611 14863.0	F614 4488.8	F616 9320.0	F622 5817.0	F623 18317.0	F624 13241.0
F626 19343.0	F627 7910.0	F631 18755.0	F633 18290.0	F639 7469.0	F642 18218.0
F644 15821.0	F646 13440.0	F649 8053.0	F655 11053.0	F662 15048.0	F664 15 MHz
F667 6817.0	F673 3064.0	F677 6 MHz	F690 3032.0	F700 4490.0	F701 11058.0
F702 9323.0	F703 9991.5	F706 8057.0	F707 10589.0	F708 23377.0	F709 9317.0
F710 4458.0	F713 16246.0	F717 10883.0	F722 12270.0	F723 18323.0	F728 11236.0
F731 6683.0	F732 15011.0	F734 4757.0	F736 11494.0	F741 7873.0	F748 6756.0
F749 15-16 MHz	F752 8047.0	F754 11627.0	F758 4452.0	F777 3113.0	F778 18023.0
F784 9043.0	F785 15687.0	F790 16323.0	F793 Unknown	F800 Unknown	F803 5078.0?
F807 12103.0?	F809 5700.0	F814 6989.0	F821 Unknown	F823 11229.0	F825 19047.0?
F832 18267.0	F843 6 MHz	F845 6-7 MHz	F846 13822.0	F853 12 MHz	F864 16008.0
F867 6830.0	F868 9218.0	F869 16090.0	F873 13248.0	F874 13246.0?	F875 6717.0
F877 4721.0	F885 13207.0	F891 11053.5	F895 5710.0	F904 10202.0	F906 4524.0
F909 7687.0	F910 19671.0	F912 7330.0	F915 12107.0	F917 10205.0	F918 13482.0
F919 11159.0	F920 7927.0	F924 16317.0	F932 Unknown	F933 Unknown	F935 7922.5
F937 Unknown	F940 11445.0	F943 19002.0	F948 15038.0	F952 Unknown	F956 Unknown
F957 6761.0	F965 11466.0	F974 10586.0	F975 11 MHz	F980 15724.0	F982 9,13 MHz
F987 10583.0	F988 4763.0	F997 15667.0			

Frequencies 4441.0, 6671.0, 8260.0, 18801.0 and 25363.0 kHz has been heard carrying "Mystic Star" traffic, but no designator is known. Designator F171 and signals associated with this net have been monitored on 18397.4 kHz vice the 18403.5 kHz we have listed above.

Inter-American Telecommunications Systems

The Inter-American telecommunications systems are high-frequency single-sideband voice and radioteletype networks conducted within individual services. There are three of these networks:

SITE	Inter-American Telecommunications System, Army
IANTN	Inter-American Telecommunications System, Navy
SITFAA	Inter-American Telecommunications System, Air Force

The primary mission of each is to promote a greater degree of mutual understanding among the member services and increase their communication capabilities for hemispheric defense. Some specific services offered through the Inter-American Telecommunications System, Air Force are:

1. Overflight and landing clearance requests of foreign aircraft
2. Aircraft movement information
3. Search and rescue information
4. Weather information
5. Logistical data
6. Administrative information
7. Personal traffic

The Army and Navy systems similarly provide specific services. The Inter-American Telecommunications System, Air Force [Spanish: Sistema de Información Tecnológica de las Fuerzas Aéreas de América (SITFAA)] is a Spanish/English/Portuguese language network supporting North, Central, and South American Air Force users in 18 countries. SITFAA's communications capabilities include voice, fax, Internet, and high frequency (voice and data). Each member country has a SITFAA station, however, after SICOFAA reorganized in 1990 the United States SITFAA station moved from Puerto Rico to Andrews AFB in Maryland. The United States does not have a SITFAA station, its station serves as the Master Net Control Station (ECR or Estacion en Control de la Red).

HF Frequencies:

4503.5 4764.0 5743.5 7317.0 7320.0 7929.0 7932.0 7935.0 8059.0 8061.0 8064.0 8067.0 9043.5 11547.0
 13217.0 13897.0 13918.0 13921.0 14640.0 14643.0 14646.0 14649.0 15675.0 18367.5 18370.5 18373.5
 18376.5 19497.0 19500.0 20597.0 20600.0 20860.0 23066.5 24860.0 kHz.

SITFAA is broken into two networks: the Northern Circuit (Circuito Norte) and Southern Circuit (Circuito Sur). The northern circuit consists of Canada, El Salvador, Guatemala, Honduras, Nicaragua, Panama and the Dominican Republic. The southern circuit consists of Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay and Venezuela. The United States is the Network Control Station (Estación Control de la Red, ECR). This station is manned by the 789th Communications Squadron of the 89th Airlift Support Group of the 89th Airlift Wing at Andrews Air Force Base. Each circuit members take turns being the Northern Circuit Control Station (Estación Control del Circuito Norte, ECCN) or the Southern Circuit Control Station (Estación Control del Circuito Sur, ECCS).

United States Strategic Command (USSTRATCOM)



HF "Zulu" Airborne Command Post Net

During a recent intercept after the first of the new U.S. government fiscal year (1 Oct 2004), Ron Perron intercepted communications on the HF-GCS system which indicated that there have been changes to the Zulu Net. It is unknown at this time whether frequencies and designators have changed or just designators. Reports are welcomed by those that monitor this system.

Frequency/Designator Matrix (USB)

Z100	3068.0	Z105	3116.0	Z110	3134.0 [Tentative]
Z115	3143.0	Z120	3295.0	Z124	Unknown
Z125	4495.0	Z130	4472.0	Z135	4745.0
Z140	5026.0	Z145	5705.0	Z150	5800.0
Z155	5875.0	Z160	6715.0	Z165	6757.0
Z170	7831.0	Z174	Unknown	Z175	9016.0
Z180	9057.0	Z185	9809.0	Z190	10204.0
Z195	Unknown	Z200	11181.0	Z205	11494.0
Z210	11229.0	Z211	12070.0	Z215	13242.0
Z220	13245.0	Z225	13907.0	Z230	15046.0
Z235	15094.0	Z240	15097.0	Z245	Unknown
Z250	15962.0	Z255	17973.0	Z260	18006.0
Z265	18024.0	Z270	18027.0	Z275	18046.0 [Tentative]
Z280	18387.0	Z285	Unknown	Z290	19665.0
Z295	19755.0	Z300	20167.0	Z305	20407.0
Z310	23337.0	Z315	23872.0	Z320	24828.0 [Tentative]
Z325	24978.0 [Tentative]	Z330	26532.0?	Z335	26859.0
Z340	Unknown	Z345	Unknown	Z350	Unknown

11244.0 kHz

1. This frequency is a special HF-GCS discrete that is used by *every* named HF-GCS station for Emergency Action Messages (EAM) and FOXTROT broadcast. In fact, it has been described as the "broadcast" frequency. Stations here do not respond to MAINSAIL general calls on this frequency.

2. This frequency is guarded by the Nightwatch 01 (US Air Force E-4 National Airborne Operations Center or NAOC) station (which uses daily changing callsign aliases) and is paired with 8992.0 kHz.

3. This frequency is used by the apparent USSTRATCOM Looking Glass mission aircraft for daily EAM transmissions at any time, and used for repeat EAM transmissions at H+25/H+55 mostly during North American daylight hours (and at any part of the day during exercises). Paired with 8992.0 kHz. Also guarded by the Glass mission and other U.S. Navy E-6 TACAMO aircraft when active.

Note: The primary mission of the Looking Glass aircraft is the ability to command, control, and communicate with its nuclear forces. Its highly-trained crew and staff ensure there is always an aircraft ready to direct bombers and missiles from the air should ground-based command centers become inoperable. Looking Glass guarantees that U.S. strategic forces will act only in the precise manner dictated by the president. On Oct. 1, 1998 the Navy's E-6B Mercury aircraft replaced the USAF EC-135 in the Looking Glass mission.

4. Used by possible tanker aircraft (maybe on their SIOP mission) passing 4-element groups to "SkyMaster" (NAOC and TACAMO aircraft) during exercises and paired with 8992.0 kHz. The 4-element groups have been called "TID traffic" by SKYMASTER aircraft.

5. Used by other U.S. government stations (i.e. Federal Emergency Management Agency-FEMA, etc) including the static call "Blue Grass" (Mt. Weather, Virginia) as a frequency to pass "Hotel" messages. These messages are passed to each other and to the NAOC aircraft (using an alias separate from that particular day's callsign). This activity is usually during the third week of each month, is not paired with 8992.0 kHz, and many of the station's use callsigns begin with the letter "A" (i.e. Axle Rod, Army Ruler, etc).

6. Units here always identify the frequency as 11244.0 kHz and not with a tactical designator.

6697.0 kHz

1. This frequency is used by the TACAMO aircraft for daily evening/night (North America) EAM transmissions during the following time slots:

H+07/H+37 by a TACAMO LANT aircraft
H+14/H+44 by a TACAMO PAC aircraft

2. EAMs have been heard at any time during initial broadcast, simulcast on 8992.0, 11244.0 and on the USSTRATCOM Zulu net frequencies above.

3. This frequencies is also used by possible TACAMO aircraft to communicate with trigraph identifier stations during exercises (usually to receive 3-element group traffic from these trigraph stations.)

4. Also is used 24-hours a day by the United Kingdom's station MKL and their trigraphs (many of these thought to be Nimrod aircraft).

13155.0 kHz

1. This frequency is used by the TACAMO aircraft for daily daytime (North America) EAM transmissions during the following time slots:

H+07/H+37 by a TACAMO LANT aircraft
H+14/H+44 by a TACAMO PAC aircraft

2. EAMs have been heard at any time during initial broadcast, simulcast on 8992.0, 11244.0 and on the USSTRATCOM Zulu net frequencies above.

3. The activity on this frequency apparently moved here from 11267.0 kHz a few years ago. 11267.0 now seems to be quiet probably indicating that it is no longer used for this purpose.

Other U.S. Navy frequencies heard recently with EAM broadcasts by Jeff Haverlah and the column editor: 4515.0 4848.0 5680.0 6512.0 6666.0 6686.0 6720.0 6724.0 6778.0 6833.0 6903.0 7501.0 7589.0 8020.0 8971.0 9007.0 9010.0 9036.0 9283.0 10515.5 10805.0 10994.0 11187.0 11255.0 11271.0 13155.0 14698.0 15038.0 15049.0 16117.0 kHz

These and other old U.S. Navy HF HICOM (High Command) frequencies have been active in past with heavy EAM traffic. (See HF-GCS section above about the demise of the HICOM network)

United States Air Force

<<Stop here for blog>>

Air Force Military Affiliate Radio System (MARS)

You will also find a considerable amount of military aircraft voice traffic (official and unofficial) on the U.S. Air Force Military Affiliate Radio System (MARS) phone patch network frequencies: The primary frequencies are 13927.0 and 20992.0 kHz. These are fun and interesting frequencies to monitor.

Frequency/Designator Matrix (USB)

4557.0	RK
7633.5	ACJ
13927.0	ACB (Primary)
14606.0	ACF
18617.0	Unknown designator
20992.5	ACZ

MARS conducts a phone patch admin net on Sundays at 1600 UTC on 13977.0 kHz (ACC).

Civil Air Patrol (CAP) Tech

Frequencies (USB/ALE): 5006.0 6800.0 (SHARES) 6806.0 7602.0 8012.0 9047.0 11402.0 13415.0 14357.0 19814.0 kHz

ALE Addresses:

RIC CAP National Technology Center, Richmond VA
022NHQCAP National Ops Center (NOC) CAP National Headquarters Maxwell AFB AL

According to the CAP Alerting System Communications Actions publication under threat advisories Yellow (present condition), Orange and Red the NOC (Headcap 22) and the NTC (Headcap 33) are responsible for conducting the National Command Net with the NTC acting as alternate net control to the NOC. "Confidence checks" have to be conducted to ensure that the system is ready for any contingency. This probably explains the fairly heavy volume of soundings from 022, 047 and 062 NHQCAP identifiers.

Reading these same publications and looking at the command structure of CAP headquarters, Ron has tentatively identified the following ALE addresses:

CAP	Used on SHARES frequencies
033NHQCAP	Unidentified
043NHQCAP	Unidentified
046NHQCAP	Unidentified
951NHQCAP	Unidentified
971NHQCAP	Unidentified
047NHQCAP	Director of Communications (DOK) CAP Headquarters, Maxwell AFB, AL [Tentative]
062NHQCAP	Director of Operations (DOO)CAP Headquarters, Maxwell AFB, AL [Tentative]
034MERCAP	Middle East Region, North Carolina, possible Region Chief of Staff
004MERCAP	Middle East Region, Chief of Staff
0033COCAP	Colorado CAP
0041MICAP	Michigan CAP
0042MICAP	Michigan CAP
0004WICAP	Wisconsin CAP
0004SCCAP	South Carolina CAP
043SERCAP	Southeast Region CAP
044NCRCAP	National Capitol Region CAP, Washington DC
100NERCAP	Northeast Region CAP
037RMRCAP	Rocky Mountain Region CAP
0272HICAP	Hawaii CAP

In mid-summer 2004 the following ALE addresses were noted on CAP frequencies:

ADWCAP	Civil Air Patrol at Andrews AFB
MCCCAP	Civil Air Patrol at McClellan AFB
JNRCAP	Civil Air Patrol at Roosevelt Roads, Puerto Rico.
HIKCAP	Civil Air Patrol at Hickam AFB

JStars Aircraft Discrete

Frequency (USB): 11181.0 kHz

Mildenhall RAF, United Kingdom

Frequency (USB): 6761.0 kHz

Note: Aerial refueling tankers interplane/air-to-air worldwide

Ramstein AB, Germany

AMC Command Post (Metaphor)
Frequencies (USB): 6730.0 9022.0 kHz

Special Operations Command (AFSOC)

Frequency/Designator Matrix (USB)

3044.0 352SOG RAF Mildenhall, United Kingdom Maintenance
3134.0 Hurlburt Field, Florida
4450.0 352SOG RAF Mildenhall, United Kingdom Exercise Operations
5204.5 352SOG RAF Mildenhall, United Kingdom (Blackhat) Primary
5349.0 352SOG RAF Mildenhall, United Kingdom (Blackhat)
5687.0 Hurlburt Field, Florida (Plantation/Seminole Operations)
5732.0 Hurlburt Field, Florida (Emerald Ops/Seminole Operations) FOX 2?Kirtland AFB, New Mexico
6730.0 Hurlburt Field, Florida
9018.0 AFSOC Air-to-Air
9019.0 Hurlburt Field, Florida (Plantations Operations) FOX 4? ex-9017 kHz
9026.0 352SOG RAF Mildenhall, United Kingdom (Blackhat)
9161.5 352SOG RAF Mildenhall, United Kingdom (Blackhat) Primary
11611.0 Hurlburt Field, Florida (Seminole/Emerald Operations)
13206.0 Hurlburt Field, Florida (Plantations Operations) FIX 1? ex-13207 kHz

I have had no recent reports on 18027.0 (FOX 9) or 23271.0 kHz (FOX 8). Has anyone in the last year heard any AFSOC units using the FOX designators above? Also, the following frequencies were active with AFSOC activity until the overhaul of the OR frequencies several years ago. Does anyone know what frequencies have taken their place? 4721.0 6712.0 9017.0 9023.0 kHz?

United States Army

18th Airborne Corps HF ALE Net

Frequencies (USB/ALE): 3238.5 4641.5 5883.5 6911.5 7361.5 8171.5 9295.0 10161.5 10680.0 12168.0 kHz

ALE Addresses:

18FABDEJAGCE	18th Field Artillery Bde
159X1	1/159th deployed/exercise Hqs [Tentative]
229JAGCE	229th FA Bn (105mm howitzers) [Tentative]
327FAJAGCE	3-27th FA (MLRS)-Multiple Rocket Launcher Bn, 18th Airborne Corps
FFAJAGCE	Unidentified sub-unit of 18th FA Regt
P1Z159	1/159th Avn Bn, Ft Bragg
S03OPS/S08OPS	Unknown user
S12/21/41	Unknown user
T1Z159	1/159th Avn Bn, Ft Bragg
T18	Probably 18th Airborne Corps Headquarters

Army Corps of Engineers

Frequency/Designator Matrix (USB/ALE)

3345.0	Channel 1	
5015.0	Channel 2	ALE
5327.5	Channel 3	
5400.0	Channel 4	
5437.5	Channel 5	ALE
6020.0	Channel 6	
6785.0	Channel 7	ALE

9122.5 Channel 8	ALE (Primary)
11693.5 Channel 9	ALE
12070.0 Channel 10	ALE (Secondary)
12122.0 Channel 11	ALE
13925.5 Unknown	ALE
16077.0 Channel 12	ALE
16326.0 Channel 13	ALE (Tertiary)
16358.0 Channel 14	
20659.0 Channel 15	ALE

ALE Addresses

CGQ	US Army Corps of Engineers Headquarters, Washington, DC
CRL	Cold Region Research & Engineering Lab, Hanover, NH
ECV	Unknown user
G333/334/336	Unknown user
L22/30	Unknown user
LRB	Buffalo District, Buffalo, NY
LRD	Great Lakes and Ohio River Division, Cincinnati, OH
LRE	Detroit District, Detroit, MI
LRH	Huntington District Office, Huntington, WV
LRL	Louisville District, Louisville, KY
LRN	Nashville District Office, Nashville, TN
LRO	Unknown user
LRP	Pittsburgh District, Pittsburgh, PA
MVD	Mississippi Valley Division Office, Vicksburg, MS
MVN	New Orleans District Office, New Orleans, LA
MVS	St. Louis District Office, St. Louis, MO
MVT	Unknown user
NAD	North Atlantic Division Office, Brooklyn, NY
NAO	Norfolk District Office, Norfolk, VA
NAP	Philadelphia District, Philadelphia, PA
NVP	St. Paul District Office, Saint Paul, MN
NWK	Kansas City District, Kansas City, MO
NWO	Omaha District, Omaha, NE
NWP	Portland District, Portland, OR
POA	Anchorage, AK
RDTAR	Unknown user
RDTEF	Unknown user
RPK	Unknown user
RRV	Unknown user
SAC	Charleston District Office, Charleston, SC
SAD	Atlanta, GA
SAM	Mobile District Office, Mobile, AL
SAS	Savannah District Office, Savannah, GA
SAW	Wilmington District, Wilmington, NC
SBV	Unknown user
SPA	Albuquerque, NM
SPK	Sacramento District, Sacramento, CA
SWF	Southwestern Division, Fort Worth, TX
SWG	Galveston District, Galveston, TX
SWT	Tulsa District, Tulsa, OK
TSX	Unknown user
WUM	Unknown user

Army Flight Following Service (AFFS)

Frequencies: 2630.0R 4060.0R 6780.0R 8065.0C 8972.0C 12022.0C 14761.5C 16144.5C 19103.5C 19208.0C kHz [Freqs: "R"=reported, "C"= confirmed]

ALE Addresses:

Skywat	Skywatch, Soto Cano AB, Honduras
228RER	Deployed element of 1/228th unit (rear)
228FWD	Deployed element of 1/228th Avn Bn, Soto Cano AB Honduras (forward)
WAROPS	1/228th Avn Regt("Winged Warriors") Operations-Soto Cano AB, Honduras
Hondo1	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH956	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH957	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH958	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH959	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH962	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH963	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH980	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH981	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH984	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]
RUH993	UH-60A helo, 1/228th Avn Bn, Soto Cano AB Honduras [Tentative]

Continuity of Operations (COOP) HF ALE Net

Frequencies (USB/ALE): 3275.0 3285.0 5066.5 5088.5 6767.5 6985.0 7448.5 7510.0

ALE Addresses:

CECOM	Communications & Electronics Command, Ft. Monmouth NJ.
USACE1010	Corps of Engineers, Washington DC
USADA1010	Unknown user
USAFC1220	Forces Command (FORSCOM), Ft McPherson GA
USAIS1012	Intelligence & Security Command, Ft Belvoir VA
USAMC2120	Materiel Command, Alexandria VA
USAMD1010	Missile Defense Command, Arlington VA
USANG2409	National Guard HQs, Arlington VA
USAPC1010	Pacific Command, Fort Shafter, Oahu HI

National Guard

Frequencies (USB/ALE): 4924.5 5847.0 6809.0 8047.0 9121.0 10816.5 14653.0 16338.5 20906.0 kHz

ALE Addresses:

A040LN	Alabama	A060RN	Arkansas	A090ZN	Arizona
A100KN	Alaska	C010TN	Connecticut	C080ON	Colorado
C090AN	California	D030CN	Washington DC	D030EN	Delaware
F040LN	Florida	G040AN	Georgia	G090UN	Guam
H090IN	Hawaii	I010DN	Idaho	I050NN	Indiana
I070AN	Iowa	K040YN	Kentucky	K070SN	Kansas
L060AN	Louisiana	M010AN	Massachussetts	M010EN	Maine
M030DN	Maryland	M040SN	Mississippi	M050IN	Michigan
M050NN	Minnesota	M070ON	Missouri	M080TN	Montana
N010HN	New Hampshire	N020JN	New Jersey	N020YN	New York
N040CN	North Carolina	N060MN	New Mexico	N070EN	Nebraska
N080DN	North Dakota	O010RN	Oregon	O050HN	Ohio
O060KN	Oklahoma	P020RN	Puerto Rico	P030AN	Pennsylvania
R010IN	Rhode Island	S040CN	South Carolina	S080DN	South Dakota

T040NN	Tennessee	T060XN	Texas	U080TN	Utah
V010TN	Vermont	V020IN	Virgin Islands	V030AN	Virginia
W010AN	Washington	W030VN	West Virginia	W080YN	Wyoming

Note: These ALE Addresses are allocated to State National Guard headquarters.

ARC61NG	61st WMD CST Unit, Arkansas
HD1	Unknown user
HQ701N	Probably NG HQs (Arlington VA)
HQ703N	Probably NG Readiness Center (Arlington VA)
MN55CSTNGB	55th WMD CST Unit, Minnesota
OKC63NG	63rd WMD CST Unit, Oklahoma
TXC06NG	6th WMD CST Unit, Texas
WV3	West Virginia

Transportation Command

Frequency/Designator Matrix (USB)

4146.0 Channel 1
6224.0 Channel 2
6227.0 Channel 3
8294.0 Channel 4
8297.0 Channel 5
12353.0 Channel 6
12359.0 Channel 7
12365.0 Channel 8

United States Coast Guard

9th Coast Guard District HF Net

Frequencies (USB/ALE): 3163.4 5423.9 7530.0 7621.6 (might have replaced 7629.1) 8126.4 9278.5 10373.6 11043.6 kHz

Station List:

CGD9	Coast Guard District 9, Cleveland, Ohio
NODK	USCGC Bramble (WLB-392)
NODW	USCGC Sundew (WLB-404)
NODY	USCGC Acacia (WLB-406)
NRKP	USCGC Mackinaw (WAGB-83)
NRLX	USCGC Katmai Bay (WTGB-101)
NRLY	USCGC Bristol Bay (WTGB-102)
NRUR	USCGC Mobile Bay (WTGB-103)
NRUS	USCGC Biscayne Bay (WTGB-104)
NRUU	USCGC Neah Bay (WTGB-105)

A1401 Net Frequencies

This is a list of Ship/Shore Independent Sideband (ISB) frequencies. I call this set of frequencies the A1401 net.

2016.0 2040.0 2054.0 4913.5 5108.5 5217.0 5223.0 5266.0 5272.0 5419.5 5942.5 6961.0 7439.0 7577.0
7617.0 7626.0 7754.5 7845.0 7884.0 7909.0 9169.0 9291.0 9332.0 9373.0 10297.5 10338.5 10354.5
10378.0 10675.0 10759.0 10788.0 10929.5 10935.5 11024.0 11045.0 11157.5 13413.0 13484.0 13537.7
13950.0 14506.0 14518.75 14731.0 14752.0 14919.2 18189.0 18255.0 18283.0 18335.0 18497.0 18650.0

18716.0 20095.0 20137.0 20518.0 20639.0 23373.0 23515.0 kHz

Atlantic Only 2161.0 kHz

Pacific Only 2144.0 5932.5 7713.0 9299.5 11165.8 18757.0 kHz

Air-to-Ground Nets

Frequencies (USB): 3053.0 3056.0 3119.0 3122.0 4730.0 4733.0 5693.0 5696.0 5699.0 8980.0 8983.0
11196.0 11199.0 11202.0 13218.0 13221.0 15082.0 15085.0 15088.0 17988.0 17991.0 kHz

Station List:

CAMSLANT Chesapeake, Virginia

CAMSPAC Point Reyes, California

HF PACTOR II E-Mail Network

<i>Freq</i>	<i>Net Control Station</i>	<i>Fleet</i>	<i>Day/Night</i>
5272.2	NOJ	PAC	Night
6961.2	NMC1	PAC	Night
6964.4	NMC	PAC	Night
7442.3	Cutters	PAC	Night
7685.5	NNN0MDC	LANT	24 Hours
8340.2	NMC	PAC	Night
10355.2	NOJ	PAC	24 Hours
13827.5	NNN0MUC	LANT	24 Hours
14506.2	NMC	PAC	Day
14752.2	Unknown	PAC	Day
14922.4	NOJ [Tentative]	PAC	Day
18192.2	NMC1	PAC	Day
20642.2	NMC	PAC	Day

Station List:

NAQD USCGC Jarvis WHEC-725
NDWA USCGC Morgenthau WHEC-722
NEGF Unidentified USCGC
NEPP USCGC Healy WAGB-20
NGDF USCGC Munro WHEC-724
NKJU USCGC Kukui WLB-203
NLPM USCGC Chase WHEC-718
NLVS USCGC Rush WHEC-723
NMAG USCGC Hamilton WHEC-715
NMC Communications Area Master Station Pacific (CAMSPAC) Point Reyes, California
NMC1 Coast Guard Island, Alameda, California
NMEL USCGC Mellon WHEC-717
NNHA USCGC Acushnet, WMEC-167
NOJ Communications Station (COMSTA), Kodiak, Alaska
NRCB USCGC Eagle, WIX-327
NRPX USCGC Buttonwood WLB-306
NRTF USCGC Active, WMEC-618
NRUC USCGC Storis WMEC-38
NRUO USCGC Polar Sea WAGB-11 (no longer equipped)
NSTF USCGC Steadfast WMEC-625
NYCQ USCGC Boutwell WHEC-719
NZNE USCGC Walnut WLB-205 ***New Ident***
NZVE USCGC Alert WMEC-630

NNN0CBS	USCGC Durable, WMEC-628
NNN0CCK	USCGC Bear WMEC-901
NNN0CEQ	USCGC Harriet Lane WMEC-903
NNN0CES	USCGC Gentian (WIX-290)
NNN0CFA	USNS Persistent (T-AGOS 6)
NNN0CLL	Unidentified USCGC
NNN0CMD	USCGC Mohawk WMEC-913
NNN0CME	USCGC Northland WMEC-904
NNN0CMS	USCGC Courageous WHEC-716
NNN0CMV	USCGC Tampa WMEC-902
NNN0CNW	Unidentified USCGC
NNN0CNY	USCGC Campbell WMEC-909
NNN0CNZ	USCGC Tahoma WMEC-908
NNN0CSA	USCGC Seneca WMEC-906
NNN0CSP	USCGC Spencer WMEC-905
NNN0CTB	USCGC Venturous WMEC-625
NNN0CVQ	USCGC Forward WMEC-911
NNN0CXK	USCGC Gallatin WHEC-721
NNN0CXS	USCGC Dallas WHEC-716
NNN0CYU	USCGC Vigilant WMEC-617
NNN0CZK	USCGC Vigorous WMEC-627
NNN0MDA	Atlantic Shore Station, Nazareth Pennsylvania (aka: NNN0GKF)
NNN0MDC	Atlantic Shore Station, HQ Navy & Marine Corps MARS, Washington DC (aka: NNN0NAV)
NNN0MDF	Atlantic Shore Station, Coast Guard HQ, Washington DC (aka: NNN0NCG)
NNN0MUC	Atlantic Shore Station
NNN0NXZ	USCGC Confidence WMEC-619
NNN0NZK	USCGC Dauntless WMEC-624

Secure Net

Frequency/Designator Matrix (USB)

4716.6 3A04 Group Key West (ANDVT/Clear)
5142.6 ANDVT Comms
5272.0 3E06
5320.0 Coast Guard District 7/8 (ANDVT/Clear)
5399.6 3C16 (ANDVT)
5422.5 3A03
5680.0 Group Charleston with CG Cutters
6234.5 3E11 (ANDVT/Clear)
6246.6 ANDVT/Clear
6815.6 Ex-3E11/Unknown current designator
6969.0 ANDVT
7421.0 3A09
7626.0 3E10
7773.5 3A08
7845.0 Unknown current designator
7884.0 3E13
7909.0 3E14 CAMSLANT
8091.0 Unknown current designator
8240.0 Usually a HFDX frequency, but some voice with cutters noted
8337.6 3E12
8980.0 ANDVT
10608.0 3A02 Group Miami (ANDVT/Clear)

10675.0 3E19
10759.0 3E20
10788.0 3E21
10993.6 3A17 Group Key West (ANDVT/Clear)
11157.5 3E24
11202.0 Deployed cutters with HH-65 helos in Caribbean
13413.0 3E25
13809.0 Unknown current designator
13950.0 Unknown current designator

Note: Following designators have been mentioned recently: 3C11. The designators above appear to be changing. Anyone else notice any others changes? Reports are requested. Since January 2004 there has been no mention on the nets of 3A26 and 3A31.

TISCOM Net

Frequencies (USB/ALE): 4730.0 8859.0 13221.0 17988.0 kHz

Station List:

NMC	CAMSPAC Point Reyes, CA
NMG	COMSTA New Orleans, LA
NMO	COMSTA Honolulu, HI
NOJ	COMSTA Kodiak, AK
TISCOM	Coast Guard Telecommunications & Information Systems Command, Arlington, VA

United States Navy

ELF Communications System

Frequencies: 76 Hz (primary) and 44 Hz (Secondary).

These two broadcast frequencies were turned off on September 30, 2004 and these two sites will be dismantled per an article in the Bay City Times newspaper on September 13, 2004. There were two transmit sites: Republic, Michigan and Clam Lake, Wisconsin. This system was used as a bell ringer communication system to submarines.

Fleet Area and Control Facility (FACSFAC)

FACSFAC Virginia Capes, VA (USB) 2252.0 kHz

Ships Electronics Systems Evaluation Facility (SESEF)

Frequencies (USB):

Point Loma, California	2792.0 kHz
Mayport, Florida	5745.0 10711.0 kHz
Barbers Point, Hawaii	16087.0 kHz
Fort Storey, Virginia	7535.0 8150.0 10711.0 kHz
Ediz Hook, Washington	3236.0 kHz
Yokosuka, Japan	5304.0 kHz

Strategic Communications Wing One (SCW-1)

Frequency/Designator Matrix (USB):

6691.0 kHz	CA
11187.0 kHz	CB
17982.0 kHz	CC
11264.0 kHz	CH

Also check 11267.0, 13240.0 and 14615.0 kHz. References have been made on the air to designators CD, CE, CF, CG, CK and CL.

Strike Group Air Defense Networks

Frequencies (USB): 3265.0 kHz

AFN HF Broadcast

Update to current schedules for the US Navy AFN broadcast on their website and NPR. They indicate that the NPR broadcast schedule isn't correct and made a correction to the schedule for the Guam broadcast. Below is the accurate schedule for AFN shortwave transmissions. Switch over from night to day, etc is based on local time at the transmitter site.

Station	Daytime	Nighttime
Barrigada, Guam	13362.0	5765.0
Diego Garcia	12579.0	4319.0
Keflavik, Iceland	13855.0	13855.0
	7590.0	7590.0
Key West, Florida	12133.5	12133.5
	5446.5	5446.5
Pearl Harbor, Hawaii	10320.0	6350.0
Roosevelt Roads, PR	7507.5	7507.5
Sigonella, Sicily	4993.0	10940.5

A new frequency in the Pacific Rim has been heard intermittently on 4815.0 kHz

NON - UNITED STATES GOVERNMENT NETS

Australia

Australian Customs Service

Frequencies (USB): 2148.0 5285.0 7960.0 10435.0 13591.0 kHz.

UNITED STATES GOVERNMENT LISTINGS

SHARES (Shared Resources)Program

SHARES Coordination Network (SCN)

Frequency/Designator Matrix

- 4490.0 SHARES Coordination Network (SCN) ALE Net <Channel 3>
- 4573.5 SHARES Coordination Network (SCN), alternate frequency for channel 1 voice check-in.
- 5236.0 SHARES Coordination Network (SCN) Voice Net, also Region I/II/III (Northeast) Net <Channel 1>
- 5711.0 SHARES Coordination Network (SCN) ALE Net <Channel 4>
- 6765.0 Region V/VII/VIII (North) Net
- 6800.0 SHARES Coordination Network (SCN) BBS Net <Channel 9>
- 6910.0 Region VI (South) Net
- 7320.0 Region IX (Southwest) Net
- 7632.0 Region IV (Southeast) Net

9064.0 Region X (North west) Net
9106.0 SHARES Coordination Network (SCN) ALE Net <Channel 5>
10586.5 SHARES Coordination Network (SCN) <Channel XF>
11217.0 SHARES Coordination Network (SCN) ALE Net <Channel 6>
13242.0 SHARES Coordination Network (SCN) BBS Net (PACTOR-1) <Channel 10>
14396.5 SHARES Coordination Network (SCN) Voice Net, also Nationwide West/Central/Gulf Coast Nets.
<Channel 2>
14898.5 SHARES Coordination Network (SCN), alternate frequency for channel 2 voice check-in, Digital
(AMTOR FEC)
15094.0 SHARES Coordination Network (SCN) ALE Net <Channel 7>
17487.0 SHARES Coordination Network (SCN) ALE/STI Net <Channel 8>

SHARES coordination stations conduct a weekly SHARES net on the ten SCN channels every Wednesday from 1600-1800 UTC. Large scale annual SHARES exercises are conducted in April, August and December.

SCN Operational Levels

SCN Operational Levels are designed to improve the responsiveness of the SHARES Coordination Network during emergencies. SCN Operational Levels are defined as follows:

Operational Level 3 - Conditions normal. No emergency exists. The ten-channel SCN may be used by SHARES station personnel for training and non-emergency operations.

Operational Level 2 - Emergency potential exists. Non-emergency operations on the SCN suspended. SCN monitoring increased. Check-in windows established on the national and regional nets to receive Stations Availability Reports.

Operational Level 1 - Emergency exists. SHARES message support required. National and regional nets maintain full-period operations to receive Station Availability Reports, to list SHARES message traffic, and to coordinate the processing of SHARES messages.

U.S. Immigration and Customs Enforcement (ICE)

The COTHEN (Customs Over the Horizon Enforcement Net) HF radio system has replaced the older JTF designated systems and those frequencies/ designators have been removed from this list.

5732.0 Scan 1
7527.0 Scan 2
8912.0 Scan 3
10242.0 Scan 4
11494.0 Scan 5
13907.0 Scan 6
15867.0 Scan 7
18594.0 Scan 8
20890.0 Scan 9
23214.0 Scan 10
25350.0 Scan 11

U.S. Drug Enforcement Administration

Frequency/Designator Matrix (USB)
5277.0 Alpha (Night DEA Primary)
5841.0 Bravo
7300.0 Charlie
9497.0 Delta
11076.0 Echo (Day DEA Operations)

7657.0 Foxtrot
 14690.0 Golf
 18666.0 Hotel (Reportedly returned to FBI in 1995)
 23675.0 India
 14350.0 Lima
 14686.0 Papa (DEA day Primary)
 23402.5 Romeo
 ? Sierra Alpha
 ? Sierra Bravo
 11073.5 Sierra Echo
 17171.0 Sierra Hotel
 18171.0 Sierra India (Reportedly returned to FBI in 1995)
 19131.0 Sierra Juliet
 ? Sierra Lima

U.S. Federal Aviation Administration

HF Recovery Communications (RCOM)

The Recovery Communications (RCOM) Program, mandated by a variety of United States national level documents including Presidential Executive Orders and National Security Decision Directives, was established to encompass all FAA emergency command and control communications (C3) systems and projects under one program. Emergency C3 systems are defined as those means of communications that the FAA employs to direct management, operations, and reconstitution of the National Airspace System (NAS) in support of Federal Aviation Administration (FAA), Department of Transportation (DOT), and Department of Defense (DOD) missions during national disasters or national security emergencies.

The FAA maintains a variety of fixed-position, portable, and transportable C3 communications systems for use in support of emergency operations. One such commonly heard C3 system is the RCOM/NARACS High Frequency/Single Side Band (HF/SSB) Net.

In 1995, the FAA approved the deployment of the RCOM HF/SSB upgrades and a five-year contract was awarded to Eastern Computer Incorporated (ECI) for the purpose of upgrading the FAA RCOM/National Radio Communications System (NARACS) HF network. ECI has installed the RCOM HF/SSB upgrade at all the FAA Region Offices and Emergency Operations Centers, and is the final phases of installing the NARACS/ALE upgrades at all Air Route Traffic Control Centers (ARTCCs).

FAA HF connectivity nets are conducted on Wednesday UTC. The East Coast net meets at 1545 UTC on 8125.0 kHz with KIT 88 as net control. The West Coast net was last reported on 13630.0 kHz at 1845 UTC.

FAA Recovery Communications/National Radio Communications System (RCOM/NARACS) HF SSB Network (U=USB/L=LSB)

Frequencies (including ALE): 5860.0U 6870.0U 6870.0L 7475.0U/L 7611.0U/L 8125.0U/L 9114.0U/L 11637.0U 13457.0U 13630.0U 15851.0U 16348.0U kHz

Station List:

ALE	Add Location	Miscellaneous Information
DEFAULT	Unknown	Probably a FAA unit that has not set their ALE ID properly in their unit
FAA	Unknown	Probably not a properly loaded unit, has not been seen as a regular participant on the net
FAAAAL	Anchorage, AK	KDM 53-Alaska Region Office/EOC

FAAACE	Kansas City, MO	KKU 40-Central Region Office/EOC
FAAACT	Atlantic City, NJ	KLM 80-William J. Hughes Tech Center
FAAACY	Atlantic City, NJ	WHZ 74-Flight Inspect Field Office
FAAAEA	Jamaica, NY	KJK 82-Eastern Region Office/EOC
FAAAGL	Des Plaines, IL	WHX 51-Great Lakes Region Office/EOC
FAAANE	Burlington, MA	WHX 45-New England Region Office/EOC
FAAANC	Anchorage, AK	WHZ 73-Flight Inspect Field Office
FAAANM	Renton, WA	WHX 20-NW Mtn Region Office/EOC
FAAASO	College Park, GA	KDM 49-Southern Region Office/EOC
FAAASW	Fort Worth, TX	KDM 47-Southwest Region Office/EOC
FAAATL	Atlanta, GA	KLM 44-Flight Inspect Field Office
FAAAWP	Fremont, CA	KMR 96-Oakland ARTCC
FAABTL	Battle Creek, MI	KLM 43-Flight Inspect Field Office
FAADCA	Washington, DC	KEM 80-FAA Headquarters
FAAECI	Unknown	Eastern Computer Incorporated Contractor for FAA ARTCC RCOM HF Network upgrade)
FAAEKN	Unknown	This is NOT a station in Elkins, WV
FAAKLO	Boonsboro, MD	KLO 87-FAA Emergency Relocation Site [Tentative]
FAALGT	Longmont, CO	KCP 63-Western US C3 NCS/SCS Mtn
FAAMRB	Martinsburg, WV	KIT 88-Eastern US C3 Net NCS
FAAOEX	Oklahoma City, OK	KIA 21-FAA Aeronautical Center
FAAOKC	Oklahoma City, OK	WHZ 77-Flight Inspect Field Office
FAASAC	Sacramento, CA	WHZ 78-Flight Inspect Field Office
FAASJU	San Juan, PR	KDM 45-San Juan ARTCC
FAAZAB	Albuquerque, NM	KGH 23-Albuquerque ARTCC
FAAZAN	Anchorage, AK	KBX 44-Anchorage ARTCC
FAAZBW	Nashua, NH	KLD 70-Boston ARTCC
FAAZDC	Leesburg, VA	KJK 80-Washington ARTCC
FAAZDV	Longmont, CO	KCJ 70-Denver ARTCC
FAAZFW	Fort Worth, TX	KBQ 25-Fort Worth ARTCC
FAAZHU	Houston, TX	KMU 31-Houston ARTCC
FAAZID	Indianapolis, IN	KLB 48-Indianapolis ARTCC
FAAZJX	Hilliard, FL	KJK 79-Jacksonville ARTCC
FAAZKC	Olathe, KS	KKA 82-Kansas City ARTCC
FAAZLA	Palmdale, CA	KJK 77-Los Angeles ARTCC
FAAZLC	Salt Lake Cty, UT	KDC 20-Salt Lake City ARTCC
FAAZMA	Miami, FL	KMA 47-Miami ARTCC
FAAZME	Memphis, TN	KDM 52-Memphis ARTCC
FAAZMP	Farmington, MN	KCJ 20-Minneapolis ARTCC
FAAZNY	Ronkonkoma, NY	KCD 73-New York ARTCC
FAAZOA	Fremont, CA	KMR 96-Oakland ARTCC
FAAZOB	Cleveland, OH	KLA 25-Cleveland ARTCC
FAAZSE	Auburn, WA	WHX 44-Seattle ARTCC
FAAZTL	Hampton, GA	KUV 64-Atlanta ARTCC
FAAZUA	Aurora, IL	KJB 96-Chicago ARTCC

1. FAA Southern Net meets on Wednesday at 0900 ET on 6870 kHz LSB
2. FAA Western Net meets on Wednesday at 1230 ET on 13457 kHz USB
3. FAA Eastern Net meets on Wednesday at 1045 ET on 8125 kHz USB

NCS: KIT88. Regular checkins: KEM80, KLM80, KLO87, KJK82, WHX45, KLD70, KJK80, WHX51, KJB96, KLA25, KLB48, KCJ20, KIA21, KDM49, KJK79, KMA47, KDM52, KUV64

List Legend

AB	Air Base
ACC	Air Combat Command (U.S. Air Force)
ACP	Allied Communications Publication
AFB	Air Force Base
AFETR	Air Force Eastern Test Range
ALE	Automatic Link Establishment
AMC	Air Mobility Command (U.S. Air Force)
AMCC	Air Mobility Command Center
ASW	Anti-Submarine Warfare
ASWOC	Anti-Submarine Warfare (ASW) Operations Center
C2	Command and Control
CNCS	Centralized Net Control Station
EAM	Emergency Action Message
GCCS	Global Command and Control (changed to GHFS, now known as HF-GCS)
GHFS	Global HF System (now known as HF-GCS)
HF	High Frequency
HF-GCS	High Frequency Global Communications System
HICOM	High Command
JCS	Joint Chiefs of Staff (U.S. Department of Defense)
LANT	Atlantic
LSB	Lower Sideband
MARS	Military Affiliate Radio System
MF	Moved From
NAS	Naval Air Station
NS	Naval Station
PAC	Pacific
RTTY	Radioteletype
SAC	Strategic Air Command (replaced by U.S. Air Force ACC/AMC)
SIOP	Single Integrated Operational Plan
SSB	Single Sideband
Supp	Supplement
TACAMO	Take Charge and Move Out (US Navy aircraft)
TSC	Tactical Support Center (US Navy)
U.S.	United States
USAF	U.S. Air Force
USB	Upper Sideband
USN	U.S. Navy
USSTRATCOM	U.S. Strategic Command
UTRACC	U.S. Air Force Europe Tanker Recce Airlift Control Center
VP	U.S. Navy designation for a patrol squadron
