



Utility Monitoring Central Archive

Note that the UMC Archive files mainly cover defunct stations. Some stations may however still be active and some of the info may still be valid.

Naval stations on HF

Algeria
Chile
Colombia
France
Ireland
Israel
Portugal
Spain
Taiwan
Tunisia
United Kingdom
US Navy MARS
Venezuela

ALGERIAN NAVY

Last update: 23/Jan/97

Transmission Modes: SITOR-A 100bd Erect 170Hz
CW

Logged Frequencies: 3753.0 5345.0 5447.0 5447.0 5939.0 5940.0 5941.0 5942.0 9115.7 11162.7

Notes on Operation:

- [SUN]
- Language: French
- Uses tactical callsigns of format AB12, which change daily. Selcals however appear to remain constant.
- On responding to selcal stations open with string "cocfn" of unknown meaning after the 4-digit translation of the selcal is sent.
- Off-line encryption with 5 letter groups, many having name-like groups (lagos, walid, hisar, etc), ending in the classic "stop et fin" reminiscent of other Algerian networks.
- Channels referred to as "r1", "r2" etc.

Selcal	Number
VVVC	0006
VVVP	0005
VVXX	0001

Sample message:

vvvx vvvx vvvx
0006 bt473
fm:ez87
to:oi10
03.07.96 a 22h01
nr:177 gr:016
texte
tafna oasis llegx magic lvixx igxxx ggexx gexxx babel likxx epxxx gexxx gxxxx comer hhoca ffulk stop et fin
qsl? kkkkk
+?
qsl a 22h15 wwh15 kk+?
qsl recu tks ar ar.+?

CHILEAN NAVY

Last update: 02/Oct/2001

Transmission Modes: MIL-188-141A 125bd/1650Hz ALE
Racal MSM-1250 125bd 10ch VFT HF Modem "Skyfax"

Logged Frequencies (all LSB): 6847.0 8080.0 9198.0 10155.0 11429.0 12103.0 17466.0 20400.0

Web Address: <http://armada.mil.cl>

Notes on Operation:

- [SAT][SUN]
- Language: Spanish
- This network has a wide variety of frequencies and has also been heard in both Europe and the US.
- ALE triggers encrypted voice and high-speed modem activity.
- Link-protected ALE is also used on occasions. AMD messages are frequent with daily semi-colon delimited variables ending in "HUERTA", the meaning of which is unknown.
- User is suspected to be the Chilean Navy, supported by Spanish operator chatter during AMD exchanges and a message (see example 1) in which one station requests the other to pass messages to CCS (which is the callsign of the Naval HQ in Santiago).

ALE ID

142 722 23F 23R 24E 4P0 APM ASI ARI BG9 BRE BRZ BUR CA2 CAS COS CVA DCC DCCOP
DCH FLC FON FR3 FVJ HLA LIO NF9 NR3 OFM PPZ RPI SOS TAC VFO

Sample Message Formats: AMD exchange between OFM, ASI, LIO and TAC

```
[TO] OFM[FROM] ASI[CMD] DE [DATA] ASI SO[DATA] E CON [DATA] LA  
[DATA] ENG  
BID[DATA] AS SO  
ONF[DATA] K [DATA] K K K [THIS IS] ASI  
[CMD] INS  
[DATA] OLICIT  
RDI[DATA] NESA2 [DATA] EL ASU  
[TO] OFM[FROM] ASI[CMD] LAS[DATA] SERIE[DATA] S K K [DATA] K  
K [THIS IS] ASI  
ERI[DATA] E 206 [DATA] LA DEJ[DATA] O SOLO  
NTR[DATA] OL [DATA] K K K[DATA] K [THIS IS] ASI  
[TO] OFM[FROM] ASI[CMD] RRR[DATA] RRRRRR[DATA] RRR  
[TO] LIO  
[TO] LIO[CMD] [LQA] MULTIPATH - SINAD -- BER --  
[TO] LIO[CMD] [LQA] MULTIPATH - SINAD -- BER -- [THIS IS] TAC[TO]  
OFM[CMD] [LQA] MULTIPATH - SINAD 07 BER 03 [THIS IS] ASI  
[TO] OFM[CMD] [UUF] [DATA] 8[CMD] [CRC] [THIS IS] ASI  
[TO] BRE[CMD] [LQA] MULTIPATH - SINAD -- BER -- [THIS IS] TAC  
[TO] LIO
```

COLOMBIAN NAVY

Last update: 10/Oct/01

Transmission Modes:

Clover-2000 HF modem BPSM
MIL-188-110A 2400bd HF modem PSK
MIL-188-110CN2 2400bd ANDVT modem PSK
MIL-188-141A 125bd/1650Hz ALE
USB Voice

Logged Frequencies:

4632.0 5500.0 7900.0 8300.0 8400.0 9200.0 10486.0 10608.0 11155.0 11440.0 11455.0 13530.0
14582.0 16544.0

Web Address: <http://cartagena.cetcol.net.co/armadap.html>

Notes on Operation:

- [SAT][SUN]
- Language: Spanish
- Naval operation coming to prominence in late 1999 due to adoption of MIL-188-141A ALE.
- ALE used to trigger USB voice, MIL-188-110A PSK modem, ANDVT terminal or Clover-2000 modem. Only a single modem type appears to be used at any one time.
- Frequent use of ALE AMD data for salutation etc.
- Chatter amongst operators frequent in USB after ALE calls.

ALE ID	Location
260	
1MD	
AIR	
AOM	
ANT	
ANTIOQUIA3	Corvette "Antioquia"
ARA	
ARAUJO	
ATL	
ATLANTICO	Atlantic Fleet HQ?
ATF	
ATZ	
BAR	Barrancabermeja Squadron Base
BARRANCA	Barrancabermeja Squadron Base
BR1	
BRI	
BRIM1	1st (Atlantic) Naval Infantry Brigade
BRIM9	Naval Infantry Brigade?
CAL	Corvette CM52 "Caldas"
CALDAS3	Corvette CM52 "Caldas"
CAR	
CAROA	
CARMA	
CES	Special Command, San Andres & Providencia Islands
CESYP	Special Command, San Andres & Providencia Islands
COV	
COVENAS	

CTG	Cartagena Coast Guard Base
CTGENA	Cartagena Coast Guard Base
DDX	
DL	
ENS	Naval Academy, Barranquilla
ENSB	Naval Academy, Barranquilla
ESPARTANA	Coast Guard Vessel "Espartana"
ESP	Coast Guard Vessel "Espartana"
FSUBFA	Submarine Flotilla HQ
GLORIA	Sail Training Vessel "Gloria"
HDJ	
HEA	
HER	Cherokee Class Patrol Vessel "Pedro de Heredia"
HEREDIA	Cherokee Class Patrol Vessel "Pedro de Heredia"
INI	Inirida Port
KNI	
KZQ	
LEG	Leguizamo Naval Base
MAL	Malaga Naval Base
MARQUEZ	Coast Guard Vessel PM117 "Jorge Marquez"
NJE	
OES	
P3M	
PAD	
PIJAO	Submarine SS-28 "Pijao"
PQL	
PRO	Auxiliary BO155 "Providencia"
PROVIDENCIA	Auxiliary BO155 "Providencia"
QLQ	
QUI	
QUINDIO	Survey Vessel BO153 "Quindio"
RAD	
RADFEN	
RADGENA	
RADGENA1	
RADGENABU	
RADPADA	
RS1	
TUMACO	Coast Guard Base, Tumaco
TUR	Coast Guard Base, Turbo
TURBO	Coast Guard Base, Turbo

Major Bases

Cartagena - ARC Bolivar, Atlantic Fleet Main Base
Bahia Malaga - ARC Malaga, Pacific Fleet Main Base
Puerto Leguizamo - ARC Leguzamo, Main River Base

Squadron Bases

San Andres Island (off the coast of Nicaragua)
Letiticia (Rio Amazonas)
Puerto Correno (Rio Meta)
Barrancabermeja (Rio Magdalena)

Minor Ports

Aracua
Inirida
San Jose del Guaviare
Puerto Lopez
El Encanto
Monclart y Puerto Ospina

Organization

Atlantic Fleet HQ, Cartagena
Pacific Fleet HQ, Bahia Malaga
Naval Force South, Puerto Leguizamo
River Forces Command, Bogota
Coast Guard HQ, Bogota

DIMAR: Maritime Authority for Hydrography and Navigational Aids

Coast Guard Main Bases

Cartagena
Buenaventura y Turbo
Valle
+ numerous minor bases

Marines (Naval Infantry)

Atlantic Brigade (1st Brigade) HQ, Cartagena
1st Battalion, San Andres Island
3rd Battalion, Malegana (Bolivar)
5th Battalion, Corozal (Sucre)
Pacific Brigade (2nd Brigade) HQ, Buenaventura
2nd Battalion, Tumaco (Narino)
4th Jungle Battalion, Puerto Leguizamo
6th Battalion, Bahia Malaga
7th Battalion, Bogota

Midget Submarines

SS-20 Intrepido
SS-21 Indomable
209 Type 1200
SS-28 Pijao
SS-29 Tayrona

Corvettes

Type FS 1500
CM51 Almirante Padilla
CM52 Caldas
CM53 Antioquia
CM54 Independiente

Patrol Forces

Cherokee Class
RM72 Pedro de Heredia
RM73 Sebastian de Belal Calzar
RM74 Rodrigo de Bastidas

Arauca Class

CF135 Riohacha
CF136 Leticia
CF137 Arauca

Various Auxiliaries

BM161 Cartagena de Indias
BM162 Buena Ventura
BO153 Quindio (Coastal Survey Vessel)
BO154 Gorgona
BO155 Providencia (DIMAR use)
BO156 Malpelo (DIMAR use)
BD33 Socorro (Hospital Ship)
BD35 Hernando Gutierrez (Hospital Ship)
DF41 Mayor Jaime Arias
(Depot Ship for Midget Submarines)
NF141 Filogonio Hichamon (River Supply Ship)
NF142 Carlos Rodriguez
NF143 Julio Correa Hernandez
(Orinoco River Supply Ship)
NF144 Manuel A. Moyar
RM75 Pascual de Andagoya
RM76 Josue Alvarez

Sail Training Ships

BE160 Gloria

Coast Guard Vessels

Cormoran Class
PM41 Espartana

Rafael del Castillo y Roda Class
PM102 Rafael del Castillo y Roda
PM115 Te Jaime Cardenas

Jose Maria Palas Class
PM103 Jose Maria Palas
PM104 Medardo Monzon Coronado

Jaime Gomez Class
PM105 Jaime Gomez Castro
PM106 Nepomuceno Pena

Rotork 412 Class
PM107 Jaime Rook
PM108 Manuela Saenz

Former drug runner vessel
PM110 Bocachica

Asheville Class
PM112 Quita Sueno

Jose Maria Garcia Class
PM113 Jose Maria Garcia de Toledo
PM114 Juan Nepomuceno Eslava

Lazaga Class
PM116 Edgar Romero
PM117 Jorge Marquez

River Forces Command Vessels

Rio Class

- LR I Rio Magdalena
- LR II Rio Cauca
- LR III Rio Sinu
- LR IV Rio Atrato
- LR V Rio San Jorge

Tenerife Class

- LR181 Tenerife
- LR182 Tarapaca
- LR183 Mompox
- LR184 Orocue
- LR185 Calamar
- LR186 Magongue
- LR187 Monclart
- LR188 Caucaya
- LR189 Mitu

Generic River Patrol Craft

- LR121 Diligente
- LR122 Juan Lucio
- LR123 Alfonso Vargas
- LR124 Fritz Hagale
- LR125 Vengadora
- LR126 Humberto Cortes
- LR127 Calibio
- LR128 Carlos Galindo
- LR129 Valerosa
- LR130 Luchadora

ISRAELI NAVY

Last update: 30/Dec/02

Transmission Modes:

CW 24wpm (Identifier)

CW 28wpm (Traffic)

Frequencies:

2680	4442	6417	8012.5	10046	12984	14526	16034	18480	20883
2800	4547	6797	8103	10355	13546	14544	16059	18481	
3394	5001	6918	8437	11010	13892	14648	16317	18549	
4237	5159	7857	8706	11102	14000	14686	17050	18609.5	
4241	5186	7878	9256	11170	14003	14695	18329	19637	
4331	6379	7954	9263	11548	14495	15013	18426	20589.7	

Notes on Operation:

- [SAT][SUN]
- 24hr multi-frequency operation with at least two channels sending the same message simultaneously.
- There is regular traffic on both broadcasts consisting of three distinctive types:
 - a. Traffic in off-line encrypted 5 letter groups sent in 24wpm or 28wpm CW. First group is combination like "nunun" or "ihihi", second group is the same as the last group.
 - b. Traffic in what is assumed to be Hebrew morse.
 - c. Surface analysis/prognosis in WMO FM46-IV coding. (This is NOT 5 figure offline encryption).
- Marker "vvv de 4xz 4xz BT BT" sent if idle.
- Group counts and date/time groups sent in reverse as per Arabic ATU-80 code. Messages begin "ar ar nw qtc 1 nr 123". Message repeats begin "ar ar nw rpt nr 123".

Callsign Location

4XZ Haifa

Sample Message Formats:**Example 1: Idle marker**

vvv de 4xz 4xz == vvv de 4xz 4xz == vvv de 4xz 4xz ==

vvv de 4xz 4xz == vvv de 4xz 4xz == vvv de 4xz 4xz ==

Example 2: Typical off-line encrypted 5LGs message

nr 115 ml v ze1e [Message Number]

548132 xo1f [DTG 23rd day, 1845]

gr 82 == [28 groups]

nunun mpeln briwn ndhef mrenx aozge rpxsl nkfre rneqy bjmrq rnjst

glwgb snmrx asueq hjjst sbxsa umqnq dcerg nwrex gfdlj illhm irszi

oejwb maeol zvet hpbpp tnezf mpeln ==

nr 115 ml v ze1e 548132 xo1f gr 82 == [Header Repeated]

nunun mpeln briwn ndhef mrenx aozge rpxsl nkfre rneqy bjmrq rnjst

glwgb snmrx asueq hjjst sbxsa umqnq dgerg nwrex gfdlj illhm irszi

oejwb mreql zeaet hpbpp tnezf mpeln ==

nr 115 ml v ze1e 548132 xo1f gr 82 == ar ar [Header Repeated, End]

Example 3: Typical off-line encrypted 5FGs message

= = vv de 4xz 4xz = = ar ar nw qtc 1 nr 515 = =
nr 515 yt z na0m 126042 dk3t wnc ==
10001 33388 02300= 99900 83014 32540= 83014 32702= 83022 34848=
87030 34221= 99922 44016 32049 32645 33038 32035= 44016 32008
33500= 44020 32850 33340 33335 33031 32027= 44020 32019 33008
34100= 44024 33250 33737 33430 32723 33512 34504 35005= 44028
33550 33940 33830 33520 34607 35011= 44028 35023 34530 34640
34450= 44024 35035 34650= 19191 == tcqir : apiqiet mdrem mzrh
erkc bmrkz oim otiken igrme lrehet mogzro owp ~ asr tleeo bostpret
bmz " a . ==

nr 515 yt z na0m 126042 dk3t wnc ==
10001 33388 02300= 99900 83014 32540= 83014 32702= 83022 34848= 87030
34221= 99922 44016 32049 32645 33038 32035= 44016 32008 33500=
44020 32850 33340 33335 33031 32027= 44020 32019 33008 34100=
44024 33250 33737 33430 32723 33512 34504 35005= 44028 33550
33940 33830 33520 34607 35011= 44028 35023 34530 34640 34450=
44024 35035 ew4650= 19191 == tcqir : apiqiet mdrem mzrh erkc bmrkz oim
otiken igrme lrehet mogzro owp ~ asr tleeo bostpret bmz " a . ==

nr 515 yt z na0m 126042 dk3t wnc == ar ar

SPANISH NAVY

Last update: 26/Nov/2002

Transmission Modes:

ITA-2 100bd 850Hz

ITA-2 75bd 850Hz

ITA-2 75bd 170Hz

VFT 2ch of 100bd/170Hz FSK UNID System at 1kHz separation

ALE 2ch of 100bd/170Hz FSK at 1kHz separation proprietary system

MIL-188-110A 2400bd HF Modem (variable speed and interleave)

USB

CW

Frequencies:

3257.0	4154.0	5253.7	5826.0	6897.2	8091.7	11156.7	12469.6	15984.7	17292.0
3521.0	4158.0	5275.7	6730.0	6898.2	8302.0	11157.7	12935.0	15985.7	19040.2
3518.5	4261.0	5276.7	6767.2	7674.2	8310.0	11226.7	13058.0	16598.4	22737.0
4023.7	4311.0	5292.7	6768.2	7675.2	8318.3	12225.7	14732.7	16618.5	22785.0
4024.7	5252.7	5293.7	6768.2	8090.7	8317.8	12449.5	14733.7	17290.0	25135.0

Notes:

- The "official" callsign structure (CW and voice) appears to be 61ABC through 69XYZ.
- Callsigns often abbreviated -- voice coordination typically uses the last two letters of the "official" callsign eg 67YTR uses voice callsign "TR". Although there are other styles eg "HF63" instead of the full "63NHF".
- Voice or RTTY coordination of MIL-188-110A 2400bd modems is common.
- Majority of high speed modem traffic is Microsoft Exchange email, both plain text and encrypted and uses addresses of the form ARMADAx. RTTY coordination of PSK traffic commonly takes place with a short exchange of the following form: ZBO 10 3R INT QRV PSK 600 BDS FUERA DE CUADRICULA AL ESTE CUADRICULA
- Uses a selscan-type ALE/ionospheric sounding system (also two channel) to establish a 2-channel VFT running 100 baud, 170 Hz shifted FSK printers. The distinctive two-channel ALE/sounder can be heard regularly on a number of channels including: 5257.7 5293.7 6767.2 6897.2 7673.7 8090.7 11156.7 12087.7
- RTTY Test Tape uses "quick brown fox", "ry" and "sg" slip as marker or call-up.
- They also appear to use many of the Madrid Radio, Vigo Radio, etc. coastal frequencies.

Callsign	Short Call	Modem address	Location
EBA			Madrid
62SLO			
63ETR	TR		
63EWR	WR		
63GBH	BH		
63NHF	HF		
64ERD	RD		
64FRL			
66NEI	EI		
66RES	ES		
67ATR	TR		
67BGR			

Callsign	Short Call	Modem address	Location
67EOK	OK		
67GTR	TR		
67YTR	TR		
?	TR	ARMADA13	
?	YH	ARMADA15	
?			Aranjuez
?			Cartagena
?			El Ferrol
?			Granada
?			Rota
?			Vigo

TAIWANESE NAVY

Last update: 22/May/2001

Transmission Modes:MIL-188-141A 125bd/1650Hz ALE
CW**Logged Frequencies (LSB):**

8672.0 10827.0 12026.0 13850.0 14360.0 16000.0 17418.0 18035.0 19180.0 21860.0

Notes on Operation:

- [SAT][SUN]
- Network first discovered in early 2001 when a flotilla of ships toured South, Central and North America.
- Tactical four letter ALE identifiers change every few days, but appear to cycle after some time.
- CW using 5FGs also heard on many frequencies carrying ALE. CW callsigns are the same as the ALE ID.

ALE IDAMNP
CJXH
DEVC DFNM DOJC DQSW
EAGJ EHKQ
FRIA FTNX
GHJK GOLY GPHZ GUPY GWDU
HRDU HZIP IHOE
IJBN IPKW
JASC JYZM
KXVC
LOFP
NOBC NPKW NXAU NXVE NYEU
ORCL
PKNT
QKMT QTKW
RUIG
SFDJ
TMFC TMRC
USVJ USVL
VUGD
WCPT WYJT
ZBJH ZJFI ZPYM ZUEC

TUNISIAN NAVY

Last update: 11/Nov/98

Transmission Modes:

SITOR-A 100bd Erect 170Hz
SITOR-B 100bd Erect 170Hz SBRS mode
USB Voice

Frequencies: 4716.7 5391.7 6741.7 6745.7 6906.7 6756.7 9002.7 13131.7

Notes on Operation:

- [SAT][SUN]
- Language: French
- The Tunisian Navy operates a number of French built and Exocet-armed fast missile patrol boats off its coast (Gulf of Hammamet).
- Duplex SITOR-A operation (ship-ship and ship-shore) most frequent between 6741.7 and 4716.7kHz but activity also logged on a 9MHz channel. Call-up is conducted in SITOR-B with RYRY... marker and often uses the selcal in plain text.
- Majority of traffic copied regarding shipping movements, passengers, passports and cargo are very common.
- Use of codewords "Secret" and "Defense" noted to differentiate between various message priorities. Secret-type messages use off-line (5 Letter Group) encryption.
- Reports in late 1999 confirmed a new frequency and use of two-letter tactical callsigns but maintaining the previous selcals, and adding a few more.

Reported Callsigns/Selcals:

<u>Vessel/Location</u>	<u>Call/ID</u>	<u>Selcal</u>
FC Bizerte		
PLM Carthage	TSBE/503	
PLM La Galite	TSBD/501	PSTX
FC Tazarka	TSBN/205	
PLM Tunis	TSBF/502	XKTQ
	AA	XKTQ
	CC	QCQT
	TT	QCXI

Dictionary:

PLM Patrouiller Lance-Missiles (Missile Patrol Boat)
ENAM Unknown address

Sample Message Format:

ROUTINE SECRET
S S S S S S S
RR/ PN PP PT A
FM/ PLM LA GALITE
ENAM/IO
NO BNPS - QA - RNPBKT
SECR NRWQRXTO//9PM LA GALITEDU HUIL UILT1995 OIT
(D E F E N C E) DU 080 Z A PO
[GARBLD] TROI (6.5 AAA ZULOF VVNQIO FINAW ..
BT
CFNMMWQRMMMMY TEAA Z WY MMM
INT QSL KKK?
AMI SV REVI VOTRE MONRE
MAINTENANT ILES 03H KKK?

US NAVY MARS

Last update: 08/Apr/98

Transmission Modes:

SITOR-A	100bd	Erect	170Hz
SITOR-B	100bd	Erect	170Hz
PacTOR-1	200bd		200Hz
Packet Radio	300bd		200Hz AX.25

Frequencies:

3270.0 3349.0 4011.0 4009.5 4041.0 4038.5 4045.0 4513.0 5798.5 6836.0 6881.0 7642.5
7993.5 8151.0 13541.0 14470.7 14483.5 14761.5 14934.3 14935.5 14957.0

Callsign Location

NNN0AAA Chief, Army MARS
NNN0AAY Private Shore Station, KS
NNN0ABF Private Shore Station, IL
NNN0ABV Private Shore Station, WI
NNN0ACO MARS STA, Green Bay, WI
NNN0ADO Private Shore Station, WI
NNN0ADV Private Shore Station, Denver, CO
NNN0AEH Private Shore Station, WI
NNN0AEN Private Shore Station, S.NY
NNN0AFL Callsign All Afloat Units
NNN0AFM Chief, Air Force MARS, NA
NNN0AFS Private Shore Station, Cedar Rapids, IA
NNN0AKG Private Shore Station, WI
NNN0ANI Private Shore Station, CT
NNN0ARC One-GA, GA
NNN0ASA MARS Staff, David A. Vittum
NNN0ASB Staff Station Callsign, MD/DC
NNN0ASC Fifteen-Staff Callsign, GA
NNN0ASC Staff Callsign, SC
NNN0ASC Staff Callsign, RMCS Lamon, Director Region 2
NNN0ASC One GA, Staff Callsign, Curtis Wetherington, GA
NNN0ASE Fifteen-Staff Callsign, N.CA
NNN0ASE Staff Callsign, S.CA
NNN0ASE One-Staff Callsign, S.CA
NNN0ASF Fifteen-Staff Callsign, E.TX
NNN0ASG Staff Callsign, IL
NNN0ASG One-Staff Callsign, IL
NNN0ASG Fifteen-Staff Callsign, IL
NNN0ASG Eight-Staff Callsign, WI
NNN0ASG Four-Staff Callsign, MI
NNN0ASG ONE, IL
NNN0ASG TEN, MI
NNN0ASG ONE, AND ACTING REGION FOUR, IA
NNN0ASH UNID
NNN0ASI FIFTEEN Staff Station, OH
NNN0ASI Private Shore Station, E.PA
NNN0ASJ Private Shore Station, VA
NNN0ASK FIFTEEN/NNN0ISL, OR
NNN0ASK Private Shore Station, WA
NNN0ASL MARS DATA SYSTEM

NNN0ASL MARS DATA SYSTEM
NNN0ASL Private Shore Station, HI
NNN0ASN Private Shore Station, VA
NNN0ASO Private Shore Station, OR
NNN0ASO FIFTEEN, ASS'T, ARMY/AF MARS
NNN0ASP Private Shore Station, W.PA
NNN0ASQ Private Shore Station, AR
NNN0ASR Private Shore Station, VA
NNN0ASU ONE FL, Staff Callsign, FL
NNN0ASU AL, Staff Callsign, AL
NNN0ASU TEN OK, Staff Station Call N/A, OK
NNN0ASU ONE-ASSIST, Staff Callsign, TECUMSEH, OK
NNN0ASU THREE, Staff Callsign, Purcell, OK
NNN0ASU THIRTEEN, Staff Callsign, Purcell, OK
NNN0ASU SIX, Staff Callsign, Jacksonville, FL
NNN0ASU TEN, COORD. OF MDS NET OP'S, Bessemer, AL
NNN0ASU FOURTEEN, MDS S/WARE DEVELP, Yorktown, Va.
NNN0ASV Private Shore Station, S.TX
NNN0ASX Staff Station Callsign, SC
NNN0ASZ VA, Staff Callsign, VA
NNN0ASZ Staff Callsign, MD/DC
NNN0AYH Private Shore Station, HI
NNN0AZP Private Shore Station, OK
NNN0AZT MARS STA, KANEOHE, HI
NNN0AZT MARS DATA SYSTEM, Kaneohe, HI
NNN0BBY Private Shore Station, IN
NNN0BDF Private Shore Station, CA
NNN0BLU UNID
NNN0BMQ MARS STA, Savannah, GA
NNN0BMV Private Shore Station, SD
NNN0BQH Private Shore Station, MN
NNN0BRW Private Shore Station, NC
NNN0BSH PRIVATE SHORE STATION,
NNN0BSP MARS DATA SYSTEM
NNN0BSV Private Shore Station, OH
NNN0BTO Private Shore Station, GA
NNN0BUI Private Shore Station, WI
NNN0BUX Private Shore Station, MI
NNN0BVL Private Shore Station, ME
NNN0CAA UNID
NNN0CAB USS MCKEE
NNN0CAC USS MOBILE BAY
NNN0CAD UNID
NNN0CAE USS TAYLOR
NNN0CAG NOAAS MCARTHUR
NNN0CAI USS ANTIETAM
NNN0CAJ USCG Auxiliary Station, FL
NNN0CAK USS UNDERWOOD
NNN0CAL USS ANCHORAGE
NNN0CAM USNS JOHN LENTHALL
NNN0CAN USCG Auxiliary Station, PA
NNN0CAR USS CARR,
NNN0CAU USCG Auxiliary Station, OR
NNN0CBB USCG Auxiliary Station, MO

NNNOCBC NOAAS MILLER FREEMAN
NNNOCBD USS THOMAS S GATES
NNNOCBE USS LEYTE GULF
NNNOCBF USS HAWES
NNNOCBG USS SAMUEL B ROBERTS
NNNOCBH USS BUNKER HILL
NNNOCBP USCGC MORGENTHAU
NNNOCBQ USS SIMPSON
NNNOCBR USS HALYBURTON
NNNOCBS USCGC DURABLE
NNNOCBT USNS JOSHUA HUMPHREYS
NNNOCBU USS KLAKRING
NNNOCBV USS KEARSARGE
NNNOCBW USCGC SWEETBRIER
NNNOCBZ UNID
NNNOCCE NOAAS DAVID STARR JORDAN
NNNOCCE USNS COMFORT
NNNOCCEJ USS SAN JOSE
NNNOCCK USCGC BEAR
NNNOCCL UNID
NNNOCCLM USNS VANGUARD
NNNOCCLN USS MONTEREY
NNNOCCLP USS NORMANDY
NNNOCCLQ USCGC ESCANABA
NNNOCCLR USS CONQUEST
NNNOCCLY USS CHANCELLORSVILLE
NNNOCDD USCG Auxiliary Station, MA
NNNOCDEP USS REUBEN JAMES
NNNOCDEU USCG Auxiliary Station, NJ
NNNOCDEE USCG Auxiliary Station, NJ
NNNOCDED USCG Auxiliary Station, OH
NNNOCDEG GULF TRADER
NNNOCDEI USS CAMDEN
NNNOCDEJ USS PHILIPPINE SEA
NNNOCDEK USS WASP
NNNOCDEL USS GREENLING
NNNOCDEM USS NICHOLAS
NNNOCDEN USAV FRANK S BESSON JR
NNNOCDEO USAV WILLIAM R BUNKER
NNNOCDEP USAV JAMES MCHENRY
NNNOCDEQ USCGC HARRIET LANE
NNNOCDFB USS FORD
NNNOCDFH USS AVENGER
NNNOCDFI USS GUNTSTON HALL
NNNOCDFJ USS COWPENS
NNNOCDFK USS KAUFFMAN
NNNOCDFL USS SAND LANCE
NNNOCDFM DICKERSON TIDE
NNNOCDFN JAN TIDE
NNNOCDFP USS ANZIO
NNNOCDFQ USS WHALE
NNNOCDFW USCGC ESCAPE
NNNOCGGA USS PIGEON
NNNOCGGC USCG Auxiliary Station, OH

NNN0CGH USS BUCHANAN
NNN0CGR USNS NARRAGANSETT
NNN0CHB USS WICHITA
NNN0CHG USS GARY
NNN0CHL USS SHASTA
NNN0CHO USNS MERCY
NNN0CHS USS VINCENNES
NNN0CIC USS SCOFIELD
NNN0CIL MARITIME PREPOSITIONING S-1 SQD-1
NNN0CJB USS ROANOKE
NNN0CJH USS THACH
NNN0CJL USS JARRETT
NNN0CJN USS REID
NNN0CKA USCG Auxiliary Station, WI
NNN0CKE USCG Auxiliary Station, MI
NNN0CKK USS MISSOURI
NNN0CKK NOAAS JOHN VICKERS
NNN0CKO USS COOK
NNN0CLB USS LONG BEACH
NNN0CLF USS VALLEY FORGE
NNN0CLL USS O'CALLAHAN
NNN0CLN USS CONSERVER
NNN0CLP USS HARRY W HILL
NNN0CLT USS ELLIOT
NNN0CLX UNID
NNN0CLZ USS LAKE CHAMPLAIN
NNN0CMA USS JOHN L HALL
NNN0CMB USS TRUETT
NNN0CMC USS AUDREY FITCH
NNN0CMD USCGC MOHAWK
NNN0CME USCGC NORTHLAND
NNN0CMF CARLSON TIDE
NNN0CMG USS FLATLEY
NNN0CMH USS MCCLOY
NNN0CMI USS ROBERT G BRADLEY
NNN0CMJ USS CHARLES F ADAMS
NNN0CMK USS DE WERT
NNN0CML MARITIME PREPOSITIONING S-1 SQD-1
NNN0CMM NOAAS MT MICHELL
NNN0CMN USS GLADIATOR
NNN0CMO USS SNOOK
NNN0CMP NOAAS CHAPMAN
NNN0CMQ USCGC ALERT
NNN0CMR USNS MOHAWK
NNN0CMS USCGC COURAGEOUS
NNN0CMT USCGC MARIPOSA
NNN0CMU USS SEATTLE
NNN0CMV USCGC TAMPA
NNN0CMW USS GRAPPLE
NNN0CMX USNS HENRY J KAISER
NNN0CMY USNS SATURN
NNN0CMZ USNS PAWCATUCK
NNN0CNA USS TRIPOLI
NNN0CNB USS JUNEAU

NNN0CNC USS PAUL F FOSTER
NNN0CND USS JOSEPH STRAUSS
NNN0CNE USS ENGLAND
NNN0CNF USS FORT FISHER
NNN0CNG USS BRISTOL COUNTY
NNN0CNH USS NEW JERSEY
NNN0CNI USS DOLPHIN
NNN0CNJ USS CARON
NNN0CNK USNS HASSAYAMPA
NNN0CNL USS WORDEN
NNN0CNM USS CLEVELAND
NNN0CNN NOAAS MALCOM BALRIGE
NNN0CNO USS REASONER
NNN0CNP USS BAINBRIDGE
NNN0CNQ USS FRANCIS HAMMOND
NNN0CNR USCGC MIDGETT
NNN0CNS NOAAS RAINIER
NNN0CNU USS PYRO
NNN0CNV USS FREDERICK
NNN0CNW USS CHARLESTON
NNN0CNX USS VIRGINIA
NNN0CNY USCGC CAMPBELL
NNN0CNZ USCGC TAHOMA
NNN0COA USS ARLEIGH BURKE
NNN0COB USS MULLINNIX
NNN0COC USS SACRAMENTO
NNN0COD USS HUE CITY
NNN0COE USS INDEPENDENCE
NNN0COF USS GETTYSBURG
NNN0COG USS ENTERPRISE
NNN0COH USS CAPE COD
NNN0COI USS RECLAIMER
NNN0COJ USS BOWEN
NNN0COK USS MARS
NNN0COL UNID
NNN0COM USCGC FIREBUSH
NNN0CON USS DUPONT
NNN0COO USS TATTNAL
NNN0COP UNID
NNN0COQ USS PENSACOLA
NNN0COR USS HUNLEY
NNN0COS USS W S SIMMS
NNN0COT USS FAIRFAX COUNTY
NNN0COU USS SARATOGA
NNN0COV USS HARRY E YARNELL
NNN0COW USS TRENTON
NNN0COX USCGC NORTHWIND
NNN0COY USS AUSTIN
NNN0COZ USS FORRESTAL
NNN0CPA USS RAMSEY
NNN0CPB USCGC MUNRO
NNN0CPC USCGC BOUTWELL
NNN0CPD USS OGDEN
NNN0CPE USCGC RUSH

NNN0CPF USS PEORIA
NNN0CPG USS JOHN PAUL JONES
NNN0CPH USCGC BASSWOOD
NNN0CPI USS RUSSELL
NNN0CPJ USS ROBINSON
NNN0CPK USS HORNE
NNN0CPL USS KISKA
NNN0CPM USS TRUXTON
NNN0CPN USS KANSAS CITY
NNN0CPO USS MERRILL
NNN0CPP USS OKINAWA
NNN0CPQ USS LOCKWOOD
NNN0CPR USS HOEL
NNN0CPS USS JOHN A MOORE
NNN0CPU USCGC YOCONA
NNN0CPV USS KINKAID
NNN0CPW USS JOHN YOUNG
NNN0CPX USS VANDERGRIFT
NNN0CPY USS SCHENECTADY
NNN0CPZ USS BENJAMIN STODDERT
NNN0CQA USS ROARK
NNN0CQB USS HEWITT
NNN0CQC USS BEAUFORT
NNN0CQD USCGC JARVIS
NNN0CQE USS WABASH
NNN0CQF USS SOMERS
NNN0CQG USNS CHAUVENET
NNN0CQH USS PROTEUS
NNN0CQI USS BRADLEY
NNN0CQJ USS DUBUQUE
NNN0CQK USS COCHRANE
NNN0CQL USS LYNDE MCCORMICK
NNN0CQM USS FRESNO
NNN0CQN USS BLUE RIDGE
NNN0CQN USS STERETT
NNN0CQO USS WADDELL
NNN0CQP USS MOUNT HOOD
NNN0CQQ USS MIDWAY
NNN0CQR USS DOWNES
NNN0CQS USS BREWTON
NNN0CQT USCGC IRONWOOD
NNN0CQV NOAAS OCEANOGRAPHER
NNN0CQW USS WHITE PLAINS
NNN0CQX USS RATHBURNE
NNN0CQY USS ROBERT E PEARY
NNN0CQZ USS CURTIS WILBUR
NNN0CRA USNS MOSOPELA
NNN0CRB USS DETROIT
NNN0CRC USS SIERRA
NNN0CRD USS MONINESTER
NNN0CRE USS BOULDER
NNN0CRF USNS KANE
NNN0CRG USS STUMP
NNN0CRH USS MANITOWOC

NNNOCRI USS SCULPIN
NNNOCRJ USS WILLIAMETTE
NNNOCRK USS PONCE
NNNOCRL USS CORONADO
NNNOCRM USS JOSEPH HEWES
NNNOCRN USCGC ACUSHNET
NNNOCRO USS RUSHMORE
NNNOCRQ USCGC IRIS
NNNOCRQ USS LEADER
NNNOCRR USS CROMMELIN
NNNOCRS USS RACINE
NNNOCRT USS SKIPJACK
NNNOCRU USS ESSEX
NNNOCRV USS MACDONOUGH
NNNOCRW USS GUAM
NNNOCRX USS PAUL
NNNOCRZ USS AMERICA
NNNOCSA USCGC SENECA
NNNOCSB USS SPARTANBURG COUNTY
NNNOCSC USS ORION
NNNOCSD USS SHILOH
NNNOCSE USS ELMER MONTGOMERY
NNNOCSF USS SOUTH CAROLINA
NNNOCSG USS NEWMAN K PERRY
NNNOCSH USS MANLEY
NNNOCSE USS CONSOLE
NNNOCSE USS COONTZ
NNNOCSE USS BARNSTABLE COUNTY
NNNOCSE USS DALE
NNNOCSE USS SHERMAN
NNNOCSE USS MOOSBRUGGER
NNNOCSE USS GARCIA
NNNOCSE USCGC SPENCER
NNNOCSE USS LA MOURE COUNTY
NNNOCSE USS ADROIT
NNNOCSE USS JESSIE L BROWN
NNNOCST USCGC DECISIVE
NNNOCSE USNS SAN DIEGO
NNNOCSE USS BARRY
NNNOCSE USS SAIPAN
NNNOCSE USS KING
NNNOCSE USS SAMPSON
NNNOCSE USNS PASSUMPSIC
NNNOCSE USCGC VENTUROUS
NNNOCSE USCGC POLAR SEA
NNNOCSE USCGC DEPENDABLE
NNNOCSE USS FLORIKAN
NNNOCSE USS DAVID R RAY
NNNOCSE USS BERKLEY
NNNOCSE USS RANGER
NNNOCSE USS INGRAHAM
NNNOCSE USS TARAUA
NNNOCSE USS BOLSTER
NNNOCSE USS MAUNA KEA

NNNOCTM USS REEVES
NNNOCTN USS BARBEY
NNNOCTO USS VANCOUVER
NNNOCTP NOAAS DISCOVERER
NNNOCTQ USS O'BRIEN
NNNOCTR NOAAS SURVEYOR
NNNOCTS USS OLDENDORF
NNNOCTT USNS JUPITER
NNNOCTV USS JASON
NNNOCTW USS BARBOUR COUNTY
NNNOCTX USS DIXON
NNNOCTY USS FOX
NNNOCTZ USS BELLEAU WOOD
NNNOCUA USS AYLWIN
NNNOCUB USS ARTHUR W RADFORD
NNNOCUC USS FOREST SHERMAN
NNNOCUD USS CLAUDE V RICKETTS
NNNOCUE USS AINSWORTH
NNNOCUF USS MCCANDLESS
NNNOCUG USS TEXAS
NNNOCUH USS PETERSON
NNNOCUI USS HERMITAGE
NNNOCUJ USS VULCAN
NNNOCUK USS VALDEZ
NNNOCUL USS ELROD
NNNOCUM USCGC SHOALWATER
NNNOCUN USS MILLER
NNNOCUO USS SPRUANCE
NNNOCUP USS NIMITZ
NNNOCUR USS SAVANNAH
NNNOCUS USS INCHON
NNNOCUT USS NITRO
NNNOCUU USCGC ACTIVE, Port Angeles, WA
NNNOCUV USS COMTE DE GRASSE
NNNOCUW USS FISKE
NNNOCUX USS NASSAU
NNNOCUY USS CAYUGA
NNNOCUZ USS PUDGET SOUND
NNNOCVA USS BELKNAP
NNNOCVB USS DAHLGREN
NNNOCVC USS KALAMAZOO
NNNOCVD USS SANTA BARBARA
NNNOCVE USS WELCH
NNNOCVF USS RICHMOND K TURNER
NNNOCVG USS DWIGHT D EISENHOWER
NNNOCVH USS MOUNT BAKER
NNNOCVI USS HARLAN COUNTY
NNNOCVJ USS LY SPEAR
NNNOCVK USS NASHVILLE
NNNOCVL USS SHREVEPORT
NNNOCVM USCGC THETIS
NNNOCVN USS BRISCOE
NNNOCVO USS GUADALCANAL
NNNOCVP USS CONOLLY

NNN0CVQ USCGC FORWARD
NNN0CVR USCGC RELIANCE
NNN0CVS USS MISSISSIPPI
NNN0CVT USS OLIVER HAZARD PERRY
NNN0CVU USS SAGINAW
NNN0CVV USS YELLOWSTONE
NNN0CVW USS EMORY S LAND
NNN0CVX USS EL PASO
NNN0CVY USNS RIGEL
NNN0CVZ USS MOUNT WHITNEY
NNN0CWA NAVAL SPECIAL WARFARE GRP 2
NNN0CWB USS NIAGARA FALLS
NNN0CWC USS SAMUEL GOMPERS
NNN0CWD USS WILLIAM H STANDLEY
NNN0CWE USS INGERSOLL
NNN0CWF USCGC ESCAPE
NNN0CWG USS PELELIU
NNN0CWH USS SAINT LOUIS
NNN0CWI USS WISCONSIN
NNN0CWJ USS HAROLD E HOLT
NNN0CWK USS COMSTOCK
NNN0CWL USS CALLAGHAN
NNN0CWM USS WHIPPLE
NNN0CWN USS DULUTH
NNN0CWO USS FLINT
NNN0CWP USS FIFE
NNN0CWQ USS PARSONS
NNN0CWR USS SAN BERNARDINO
NNN0CWS USS GOLDSBOROUGH
NNN0CWT USS CHANDLER
NNN0CWU USCGC SASSAFAS
NNN0CWV USNS POINT LOMA
NNN0CWW USS FANNING
NNN0CWX USS ACADIA
NNN0CWY USS CARL VINSON
NNN0CWZ USS GRIDLEY
NNN0CXA USS PREBLE
NNN0CXB USS JOHN F KENNEDY
NNN0CXC USS DOYLE
NNN0CXD USS JOHN RODGERS
NNN0CXE USS NICHOLSON
NNN0CXF USS LUCE
NNN0CXG USS O'BANNON
NNN0CXH USS ESTOCIN
NNN0CXI USS BUTTE
NNN0CXJ USS SAMUEL ELIOT MORISON
NNN0CXK USCGC GALLATIN
NNN0CXL USS BLAKLEY
NNN0CXM USS MCINERNEY
NNN0CXN USS PORTLAND
NNN0CXO USN OCEANOGRAPHIC UNIT 5
NNN0CXP USNS WACCAMAW
NNN0CXQ USS CANISTEO
NNN0CXR USNS SIRIUS

NNN0CXS USCGC DALLAS
NNN0CXT USS THORN
NNN0CXU USNS NEOSHO
NNN0CXV USN YACHT NEWPORT
NNN0CXW USS EDSON
NNN0CXY USCGC STEADFAST
NNN0CXZ USS WAINWRIGHT
NNN0CYA USS RENTZ
NNN0CYB USS CLARK
NNN0CYC USS SHENNANDOAH
NNN0CYD USS SUMTER
NNN0CYE USS LEXINGTON
NNN0CYF USS CALIFORNIA
NNN0CYG USS TICONDEROGA
NNN0CYH USS FAHRION
NNN0CYI USS FULTON
NNN0CYJ USS STARK
NNN0CYK USNS CONCORD
NNN0CYL USS KIDD
NNN0CYM USS JACK WILLIAMS
NNN0CYN USS SAMPLE
NNN0CYO USS MARVIN SHIELDS
NNN0CYP NOAAS FAIRWEATHER
NNN0CYQ USS BRUNSWICK
NNN0CYR USS MOBILE
NNN0CYS CORMORANT, S/V
NNN0CYT USS YORKTOWN
NNN0CYU USCGC VIGILANT
NNN0CYV USNS TANNER
NNN0CYX USNS H H HESS
NNN0CYY USS SAN JACINTO
NNN0CYZ USS WHIDBEY ISLAND
NNN0CZA USS DEYO
NNN0CZB USS KITTIWAKE
NNN0CZC USS SURIBACHI
NNN0CZD USS CONYNGHAM
NNN0CZE USCGC CHILULA
NNN0CZF USS PAIUTE
NNN0CZG USS JOHN HANCOCK
NNN0CZH USS KOELSCH
NNN0CZI USS MERRIMACK
NNN0CZJ USS ARKANSAS
NNN0CZK USCGC VIGOROUS
NNN0CZL USS SYLVANIA
NNN0CZN USS BOONE
NNN0CZO USS STEPHEN W GROVES
NNN0CZP USS GALLERY
NNN0CZQ USS BRUMBY
NNN0CZR USNS POWHATAN
NNN0CZS USS PLATTE
NNN0CZT USS ANTRIM
NNN0CZU USS MONONGAHELA
NNN0CZV USS HAYLER
NNN0CZW USS ENGAGE

NNN0CZX USS HOLLAND
NNN0CZY USS SCOTT
NNN0CZZ USNS KANAWHA
NNN0EAC Private Shore Station, IA
NNN0EDF Private Shore Station, E.PA
NNN0EIZ Private Shore Station, S.CA
NNN0EKF Private Shore Station, CA
NNN0EPY MARS DATA SYSTEM
NNN0EPY Private Shore Station, MI
NNN0ERA Private Shore Station, FL
NNN0ESR Private Shore Station, MS
NNN0EYD MARS DATA SYSTEM
NNN0EYD Private Shore Station, S.CA
NNN0EZA Private Shore Station, S.TX
NNN0FBP Private Shore Station, IL
NNN0FCX Private Shore Station, E.TX
NNN0FET Private Shore Station, CO
NNN0FGQ Private Shore Station, MARS DATA SYSTEM 1.2 KHZ OFFSET
NNN0FLH Private Shore Station, Jacksonville, FL
NNN0FMN MARS STA, Omaha, NB
NNN0FNM Private Shore Station, NE
NNN0FNN Private Shore Station, NE
NNN0FZQ MARS DATA SYSTEM
NNN0FZQ Private Shore Station, OK
NNN0GAP THREE/NNN0TXL, IL
NNN0GAQ IN, Staff Callsign
NNN0GAQ TWO, IN
NNN0GAQ THREE, IN
NNN0GAQ FOUR,
NNN0GAR IA, Staff Callsign
NNN0GAY TWO/NNN0ORA MI
NNN0GAY STAFF CALLSIGN, MI
NNN0GAY ONE MI, STAFF CALLSIGN, MI
NNN0GBD FOUR KS STAFF CALLSIGN
NNN0GCE WI, Staff Callsign, WI
NNN0GCE ONE WI, ASS'T TO COORD, WI
NNN0GCE TWO, Ass't to Coord Emer, WI
NNN0GCO Private Shore Station, OA
NNN0GHB MARS DATA SYSTEM
NNN0GJH MARS DATA SYSTEM
NNN0GJH MARS DATA SYSTEM
NNN0GKD Staff Callsign, MI
NNN0GKE MARS DATA SYSTEM
NNN0GKE WI, Staff Callsign
NNN0GKE Staff Callsign, S.CA
NNN0GKF MARS DATA SYSTEM
NNN0GKF E.PA, Staff Callsign, E.PA
NNN0GKH MI, Staff Callsign
NNN0GKW PRIVATE SHORE STATION, E.TX
NNN0GPM Private Shore Station, N.NY
NNN0GSH Private Shore Station, IA
NNN0HAK PRIVATE SHORE STATION, MI
NNN0HBD Private Shore Station, ME
NNN0HCS Private Shore Station, MO

NNN0HCS MARS Data System
NNN0HIL Private Shore Station, IN
NNN0HKM MARS STA, N.San Francisco
NNN0HLG CW BEACON, USN SHIP, KOREAN
NNN0HLJ CW BEACON, USN SHIP, KOREAN
NNN0HLO CW BEACON, USN SHIP, KOREAN
NNN0HLQ Private Shore Station, S.TX
NNN0HMA Private Shore Station, HI
NNN0HMD Private Shore Station, HI
NNN0HPE Private Shore Station, VA
NNN0HQA MARS STA, Fond du Lac, IL
NNN0HQC Private Shore Station, WI
NNN0HQNT Private Shore Sta Trainee, IL
NNN0HRC MARS DATA SYSTEM
NNN0HRH MARS STA, New Orleans, LA
NNN0HUL Private Shore Station, Bessemer, AL
NNN0HVG MARS STA, Cedar Hill, TX
NNN0IBM Private Shore Station, ME
NNN0ICE MARS STA, Antarctica, McMurdo Station
NNN0ICK Private Shore Station, NH/VT AREA
NNN0ICP Private Shore Station, IN
NNN0IGD Private Shore Station, FL
NNN0IIM Private Shore Station, FL
NNN0ILX Private Shore Station, WI
NNN0INE Private Shore Station, VA
NNN0ITO Private Shore Station, IN
NNN0IUC Private Shore Station, VA
NNN0JBG MARS DATA SYSTEM REGION 7
NNN0JHR Private Shore Station, S.TX
NNN0JZJ Private Shore Station, MO
NNN0JMQ Private Shore Station, NH/VT AREA
NNN0JSVT Private Shore Sta Trainee, WI
NNN0JSW Private Shore Station, WI
NNN0JVG Private Shore Station, WI
NNN0JXA Private Shore Station, VA
NNN0KBD MARS STA, Vermont
NNN0KLE Private Shore Station
NNN0KRQ MARS STA, Cincinnati, OH
NNN0KUB Private Shore Station
NNN0KUGT Private Shore Sta Trainee, MO
NNN0KWE Private Shore Station
NNN0KXG Private Shore Station, CO
NNN0KXW Private Shore Station, MD/DC Area
NNN0LAO Private Shore Station
NNN0LHR Private Shore Station, GA
NNN0LKL Private Shore Station, Purcell, OK
NNN0LKL MARS DATA SYSTEM REGION 3
NNN0LTC
NNN0MAQ USMC HELO
NNN0MBA MARS DATA SYSTEM
NNN0MCL USMC MARS, Camp Lejeune
NNN0MCP USMC MARS, Camp Pendleton
NNN0MDM ALL MARS DATA SYSTEM STA'S
NNN0MDR ALL MARS DATA SYSTEM STA'S

NNN0MDS ALL MARS DATA SYSTEM STA'S
NNN0MDJ SAN DIEGO CA
NNN0MDE SAN ANTONIO TX
NNN0MDI SAN DIEGO CA
NNN0MDL NAS WHIDBEY ISL WA
NNN0FLH JACKSONVILLE FL
NNN0ASL HONOLULU HI
NNN0MET USMC MARS, MCAS El Toro
NNN0MFC U.S. MARINE CORPS, 2ND EXPEDITIONARY FORCE, CARIBBEAN
NNN0MGB USMC MARS, Guantanamo Bay
NNN0MHK USMC MARS, Kaneohe Bay, HI
NNN0MJF USMC MARS STA, CO HQ BN
NNN0MJI USMC MARS STA, IWAKUNI, JAP
NNN0MOA USMC MARS, Camp Kinser
NNN0MOB CAMP SCHWAB, OA
NNN0MOC MARS DATA SYSTEM, Camp Butler, OK
NNN0MOC CAMP BUTLER, OA
NNN0MOF USMC MARS, Okinawa
NNN0MOH CAMP HANSEN, OA
NNN0MOQ U.S. Marine Corps, OA
NNN0MPI USMC MARS, Parris Island, SC
NNN0MPN USMC MARS, Camp Pendleton, CA
NNN0MQU USMC MARS, Quantico
NNN0MSD USMC MARS, San Diego, CA
NNN0MTP USMC MARS, 29 Palms, CA
NNN0MTT USMC MARS, Two-six MEU
NNN0MXI Private Shore Station
NNN0MYU USMC MARS, MCAS Yuma, AZ
NNN0NA2 USN MARS, Charleston, SC
NNN0NA8 USN MARS, Honolulu, HI
NNN0NAC USN MARS STA, Portsmouth, NH
NNN0NAD USS RECOVERY
NNN0NAE MARS STA, Winter Harbor, ME
NNN0NAH USN MARS STA, Augusta, ME
NNN0NAI USN MARS STA, Bangor, ME
NNN0NAJ USN MARS STA, Huenema, CA
NNN0NAL USS ABRAHAM LINCOLN
NNN0NAO USN MARS STA, Manchester, NH
NNN0NAP USS MILWAUKEE
NNN0NAT USN MARS STA, Portsmouth, NH
NNN0NAV USN-USMC MARS, Washington DC
NNN0NAV MARS DATA SYSTEM
NNN0NAV -Two SC, Staff Station Call, SC
NNN0NAX USN MARS STA, Quincy, MA
NNN0NAY USN MARS STA, Portsmouth, NH
NNN0NBB USN MARS STA, Springfield
NNN0NBD MARS STA, Groton, CT
NNN0NBE USN MARS STA, Hartford, CT
NNN0NBF USN MARS STA, Clifton, NJ
NNN0NBG MARS STA,McMurdo, Antarctica
NNN0NBJ USN MARS STA, Bridgeport, CT
NNN0NBL MARS STA, Groton, CT
NNN0NCA USCG LORAN STA, Marcus Isl
NNN0NCB USCG LORAN STA, Iwo Jima

NNNONCE USCG LORAN STA, Kure Island
NNNONCF USCG MARS STA, Galveston,TX
NNNONCG USCG MARS, Alexandra, VA
NNNONCG MARS DATA SYSTEM
NNNONCI NAVY SEABEE STA, Sicily
NNNONCJ USCGC EAGLE
NNNONCS USN MARS STA, Bailey Crossr
NNNONDR HSL-48CV
NNNONDW USN MARS STA, Wash, D.C.
NNNONEP MARS STA, Davisville, NY
NNNONGW USS GEORGE WASHINGTON
NNNONHA MARS DATA SYSTEM
NNNONHA Naval Shore Station
NNNONHJ HSL-48, DET 9, NAVSTA, FL
NNNONIA Family Services Center, NAS Cecil Field
NNNONIF MARS STA, NAS Memphis
NNNONIG MARS STA, Pensacola, FL
NNNONIK USN MARS STA, Mayport, FL
NNNONIK MARS DATA SYSTEM
NNNONIM MARS STA, NCBC 20TH NCR
NNNONIU NAS Cecil Field, FL
NNNONKO MARS STA, Kodiak, AK
NNNONMC USN, Washington D.C.
NNNONMH USCG, Washington D.C.
NNNONNA MIL TFC MANAGEMENT COMMAND
NNNONNB USNS CHAUVENET
NNNONND USNS CHAUVENET
NNNONNE UN Forces, Belgium Troops, Haiti
NNNONNF USNS HARKNESS
NNNONNG USNS HARKNESS
NNNONNI Terminated
NNNONOF USNS LEROY GRUMMAN
NNNONOI HSL-44 DET.RN NS Mayport, FL
NNNONOO UNID
NNNONOP UNID
NNNONOT USS VULCAN, FWSG
NNNONPA Palmer Station Antarctica
NNNONPG MARS STATION, Guam
NNNONPH MARS STA, NCB1 DET.9
NNNONPL USNS San Diego
NNNONPM MARS NACCAMSWESTPAC Guam
NNNONPN MARS NACCAMWESTPAC Guam
NNNONPT Patrol Squadron 40 (VP 40), AP
NNNONPU Patrol Squadron 46 (VP 46), AP
NNNONQC VAQ-123 NAS WHIDBEY ISLAND, WA
NNNONQD SEABEES, ULUL, Caroline Isls
NNNONQI USN MARS, Norfolk, VA
NNNONRD MARS STA,Roosevelt Roads, PR
NNNONRI MARS STA, Pt Hueneme, CA
NNNONRJ MARS STA, NTC San Diego
NNNONRL Naval Shore Station, Pohnpei
NNNONRO MARS STA, Rota, Spain
NNNONSB UNID
NNNONSF USN MARS Alameda, CA

NNNONSI NAVY SEABEE STA, Sicily
NNNONSO UNID
NNNONTA UNID
NNNONTF UNID
NNNONTI USN MARS Long Beach, CA
NNNONTO FAIRCONRON (AIRCRAFT), Tinker AFB, Tulsa, OK
NNNONTO UNID
NNNONTR USS THEODORE ROOSEVELT
NNNONUH UN FORCES, Aghueit, Western Sahara
NNNONUI UN FORCES, Awsard, Western Sahara
NNNONUJ UN FORCES, Bir Lahlou, Western Sahara
NNNONUK UN FORCES, Dahkla, Western Sahara
NNNONUL UN FORCES, Laayoune, Western Sahara
NNNONUM UN FORCES, Mahbau, Western Sahara
NNNONUN UN FORCES, Mehariez, Western Sahara
NNNONUO UN FORCES, Mijek, Western Sahara
NNNONUP UN FORCES, Oum Drega, Western Sahara
NNNONUQ UN FORCES, Smara, Western Sahara
NNNONUR UN FORCES, Tifarity, Western Sahara
NNNONUS UN FORCES, Tindouf, Western Sahara
NNNONUT UN FORCES, Ziug, Western Sahara
NNNONUW MARS STA, Whidbey Isl, WA
NNNONUW MARS DATA SYSTEM
NNNONUZ Byrd Surface Camp, Antarctica
NNNONVP USN MARS STA, Midway Island
NNNONVT MARS STATION, Japan
NNNONVW
NNNONVX CAMP SHIELDS, OA
NNNONWE MARS STA, Santa Rita, Guam
NNNONXA USCGC INGHAM
NNNONXB USS DONALD B BEARY
NNNONXC USS CAPODANNO
NNNONXD USCGC BRAMBLE
NNNONXF USCGC WESTWIND
NNNONXG USS PRESERVER
NNNONXJ USS TORTUGA
NNNONXK USS IWO JIMA
NNNONXL USS ASHLAND
NNNONXM USS CALOOSAHATCHEE
NNNONXN USS YOSEMITE
NNNONXO USCGC GLACIER
NNNONXP USS JONAS INGRAM
NNNONXQ USS OPPORTUNE
NNNONXR USS FEARLESS
NNNONXS USCGC MALLOW
NNNONXT USS RICHARD E BYRD
NNNONXU USS HOIST
NNNONXV USCGC MELLON
NNNONXW USS BIDDLE
NNNONXX USS EDENTON
NNNONXY USCGC CHASE
NNNONXZ USCGC CONFIDENCE
NNNONYB Naval Shore Station, Palau
NNNONYC Naval Shore Station, Truk Island

NNNONYD Naval MARS Station
NNNONZA USS THOMAS C HART
NNNONZB USS MAHAN
NNNONZC USS JOSEPHUS DANIELS
NNNONZD USNS PONCHATOUA
NNNONZE USS SARGO
NNNONZF USCGC BUTTONWOOD
NNNONZG USCGC BIBB
NNNONZI USS BADGER
NNNONZJ USS OUELLET
NNNONZK USCGC DAUNTLESS
NNNONZL USS CONSTELLATION
NNNONZM USS NEW ORLEANS
NNNONZN USS MOUNT VERNON
NNNONZO USS JOUETT
NNNONZP USN AUXILIARY MONOB 1
NNNONZQ USS CORAL SEA
NNNONZR USS LA SALLE
NNNONZS USS SHARK
NNNONZT USS BLUEBACK
NNNONZU USS MEYRKORD
NNNONZV USS DENVER
NNNONZW USCGC LEGARE
NNNONZX USCGC POLAR STAR
NNNONZZ USS KITTY HAWK
NNN0OAU CAMP KADENA, OA
NNN0OCF Private Shore Station, MN
NNN0OII PRIVATE SHORE STATION, N.CA
NNN0OMD Private Shore Station, SC
NNN0ORA Private Shore Station, MI
NNN0PAA Private Shore Station
NNN0PCH PRIVATE SHORE STATION
NNN0PLA Private Shore Station, NE
NNN0PPA Staff Callsign, FL
NNN0PPE VA, Staff Callsign
NNN0PPE ONE IA, Staff Callsign
NNN0PPE THREE, Staff Callsign
NNN0PPG MARS Staff
NNN0PRQ Private Shore Station, KY
NNN0PRT Private Shore Station, IN
NNN0PSX MARS STATION, Nashville, GA
NNN0PWK Private Shore Station, KS
NNN0PWT MARS STATION, Easton, KA
NNN0QCQ Private Shore Station, IA
NNN0QHD Private Shore Station, IL
NNN0QJV Private Shore Station
NNN0RFH Private Shore Station, S.CA
NNN0RGI PRIVATE SHORE STATION, VA
NNN0RMC PRIVATE SHORE STATION, MO
NNN0RNP Private Shore Station, AR
NNN0ROG PRIVATE SHORE STATION, HAWAII
NNN0RRC Private Shore Station, IA
NNN0RRM MARS DATA SYSTEM
NNN0RRM Private Shore Station, OK

NNNORWO Private Shore Station, SC
NNNORWW REGION FOUR MDS MAILBOX
NNNOSNW MARS STATION, Inverness, FL
NNNOSYN
NNN0TCZ Private Shore Station, MD/DC
NNN0TDR NCS, OH
NNN0TDU Private Shore Station, ME
NNN0TEP MARS STATION, Boca Raton, FL
NNN0THZ MARS Data System, WY
NNN0TLM MARS DATA SYSTEM
NNN0TQH MARS DATA SYSTEM
NNN0TSD Private Shore Station, S.CA
NNN0TWP MARS STATION, Jacksonville, FL
NNN0TWT MARS STATION, Citra, FL
NNN0TXL Private Shore Station, IL
NNN0UMS Private Shore Station, IN
NNN0UNK Private Shore Station, WI
NNN0UTG MARS STATION, Hawaii
NNN0UTO Private Shore Station, WA
NNN0UWO Private Shore Station, Region 1
NNN0UXM PRIVATE SHORE STATION, WI
NNN0VGV Private Shore Station, AL
NNN0VIV Private Shore Station, WI
NNN0VMA PRIVATE SHORE STATION, IN
NNN0VMR Private Shore Station, FL
NNN0VNO Private Shore Station, OH
NNN0VSH Private Shore Station, IA
NNN0WHT Private Shore Station, MA/RI AREA
NNN0WNE Private Shore Station, ME
NNN0WNQ MARS STA, Moorpark, CA
NNN0XMT PRIVATE SHORE STATION, Islip Terrace, NY
NNN0XPQ Private Shore Station, FL
NNN0XXI Private Shore Station, Gathersburg, MD
NNN0YKE Private Shore Station, Region 2
NNN0YMN MARS DATA SYSTEM, IN
NNN0YNR Private Shore Station, MI
NNN0YNS Private Shore Station, WI
NNN0YNW Private Shore Station, WI
NNN0ZIJ Private Shore Station, WI
NNN0ZLI Private Shore Station, NC
NNN0ZLS Private Shore Station, Yorktown, VA
NNN0ZLS MARS DATA SYSTEM
NNN0ZLS MARS DATA SYSTEM
NNN0ZLS MARS DATA SYSTEM
NNN0ZLY MARS DATA SYSTEM
NNN0ZMOT Private Shore Sta Trainee, MI
NNN0ZQF MARS STATION, Annona, TX
NNN0ZTI MARS STATION, Norfolk, VA
NNN0ZTL

VENEZUELAN COAST GUARD

Last update: 11/Nov/2001

Transmission Mode: MIL-188-141A 125bd/1650Hz ALE**Logged Frequencies:** 7810.0 11625.0 13475.0 15600.0**Notes on Operation:**

- Language: Spanish
- A number of stations using ALE identifiers based on locations in the Venezuela interior and at the junctions of major rivers suggest a Naval, MOI, river patrol or Coast Guard operation.
- The station "CDDA" appears to function as net control.
- The Venezuelan Navy is composed of four parts: Navy, Coast Guard, River Patrol, Marine Infantry
- Little traffic apart from sounding has been heard on this network.

ALE ID	Location
ALI	
CDD	Cuidad Guayana
CDDA	Cuidad Guayana
DYK	
FDU	
GUA	Guasdualito
GUASDUALITO	Guasdualito
GURI	Guiria
MARACAY	Maracay
MARACAY MAR	Maracay
MARGARITA	Margarita Island
MENEMAUROA	Mene de Mauroa
MONTECANO	Montecano
PTO	Puerto Ordaz
PTOFIJO	Punto Fijo
PTOORDAZ	Puerto Ordaz

Bases:

The main naval bases are located at Puerto Ayacucho, Puerto Cabello, and Punto Fijo. The Marine Infantry has bases in Puerto Ayacucho and El Amparo.

Vessels:

Frigates

F-21 Mariscal Sucre
F-22 Almirante Brion
F-23 General Urdaneta
F-24 General Soubllette
F-25 General Salom
F-26 Almirante Garcia

Training Ship

BE-11 Simon Bolivar

Amphibious Support

T-61 Capana
T-62 Esequibo
T-63 Goajira
T-64 Los Llanos

Submarines

S-31 Sabalo
S-32 Caribe

Patrolboats

PC-11 Constitucion
PC-12 Federacion
PC-13 Independencia
PC-14 Libertad
PC-15 Patria
PC-16 Victoria

Oceanographic Support

BO-11 Punta Brava

The Venezuelan Navy's River Patrol bases are located at Ciudad Bolivar and Caicara del Orinoco. Their vessels are as follows:

Patrolboats

PF-21 Manaure
PF-22 Mara
PF-23 Guaicaipuro
PF-24 Tamanaco
PF-31 Terepaima
PF-33 Yaracuy
PF-34 Sorocaima

Transports

T-71 Margarita
T-72 La Orchila

Cargo Launch

LC-01 Yopito

The Venezuelan Coast Guard has bases in Puerto La Cruz, Maracaibo and Pampatar. Coast Guard vessels are as follows:

Frigates

GC-11 Almirante Clemente
GC-12 General Moran

Patrolboats

PG-31 Petrel
PG-31 Alcatraz
PG-31 Albatros
PG-34 Pelicano

Launches

LG-11 Los Taques
LG-12 Los Cayos
LG-21 Polaris
LG-22 Sirius
LG-23 Rigel
LG-24 Aldebaran
LG-25 Antares
LG-26 Canopus
LG-27 Altair
LH-11 Gabriela
LH-12 Lely

Auxiliary

Fernando Gomez

Landing Ships

LSM-001 Punta Macolla
LSM-002 Farallon Centinela
LSM-003 Charagato
LSM-004 Bajo Brito
LSM-005 Bajo Araya
LSM-006 Carecare