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OPNAVINST 2300.44G
N6
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OPNAV INSTRUCTION 2300.44G

From: Chief of Naval Operations

Subj: COMMAND, CONTROL, COMMUNICATIONS AND COMPUTER (C4) CHARACTERISTICS FOR NAVY SHIPS, MILITARY SEALIFT COMMAND SHIPS, COAST GUARD CUTTERS, TRANSPORTABLE FACILITIES, DESIGNATED CRAFT, PORTABLE RADIO USERS AND MAJOR SHORE COMMUNICATIONS STATIONS

Ref: (a) OPNAVINST 9010.300A
(b) OPNAVINST 3501.2J
(c) OPNAVINST 4720.2G

Encl: (1) Communications Characteristics
(2) U.S. Navy Ships
(3) Military Sealift Command
(4) U.S. Coast Guard Cutters
(5) Designated Craft
(6) Transportable Facilities
(7) Portable Radio Users
(8) Major Shore Communications Facilities

1. Purpose. To consolidate CNO approved Command, Control, Communications, and Computer (C4) characteristics for U.S. Navy ships, Military Sealift Command (MSC) ships, U.S. Coast Guard (USCG) cutters, designated craft, transportable communications facilities, portable radio users and Major Shore Communications Stations. This is a substantial revision and should be reviewed in its entirety.

2. Cancellation. OPNAVINST 2300.44F and OPNAVINST 2800.2.

3. Background

a. The C4 characteristics shown in enclosures (1) thru (8) are included as military characteristics in support of the mission profile of U.S. Navy ships, MSC ships, USCG cutters, designated craft, transportable communications facilities, portable radio users and major shore communications facilities as issued in

references (a) and (b). Approved changes to ships military characteristics are implemented through the Fleet Modernization Program (FMP), in accordance with reference (c).

b. In accordance with current FMP policy, shipboard C4 equipment allowances stated in this instruction do not apply to units scheduled for strike or overage status.

4. Discussion

a. This instruction serves as a compilation of shipboard C4 characteristics. The FMP, issued by reference (c), authorizes equipment installation and removal consistent with this instruction. Baseline C4 characteristics for Navy Ship Construction (SCN) shall be established based on characteristics defined herein for the applicable class of ships under design. Reference (a) and ship requirements documents shall define the baseline C4 systems in consonance with requirements stated herein.

b. The information contained in this instruction may be used as an aid in C4 planning; however, it is emphasized that the approved communication characteristics listed here do not necessarily reflect capabilities currently installed in ships.

5. Action

a. Emergent military communications characteristics change requests and/or portable communications equipment allowance change requests for a particular ship type should reference Requirement Documentation (e.g. ORD, CDD, CPD) and Top Level Requirements for a particular ship type when submitted to the Chief of Naval Operations via the appropriate chain of command with a copy to the counterpart Fleet Commander and Type Commander. Approved changes shall be implemented in accordance with reference (c).

b. The Space and Naval Warfare Systems Command and Naval Sea Systems Command shall proceed with equipment design and system engineering, preparation of technical guidance packages (e.g., Justification Cost Form (JCF), Ship Alteration Record (SAR), and Ship Installation Drawing (SID)), as directed by CNO and/or designated Program Executive Officer (PEO).

Ship Installation Drawing (SID)), as directed by CNO and/or designated Program Executive Officer (PEO).

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COMMUNICATIONS CHARACTERISTICS

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Enclosure (1)

1. The approved communications characteristics listed in enclosures (2) through (7) are shown by ship type, MSC ship type, cutter type, van requirements, craft requirements, and portable radio user requirements respectfully. Unless specific classes within a type are listed separately, the requirements apply on a type basis.

2. Requirements for Military Detachments (MILDETs), Ship's Signals Exploitation Space (SSES), and related cryptologic systems such as Ship's Signals Exploitation Equipment (SSEE), Cryptologic Combat Support Console (CCSC), Cryptologic Combat Support System (CCSS), Troop (TRP), Surface Towed Array Sonar System (SURTASS), Launch Area Support Ship (LASS are shown in separate columns where applicable.

a. Radio Communications systems and equipment requirements to support SSES, CCSC, or CCSS operational characteristics are shown under the designation SSES.

b. The requirements shown in the TRP, SURTASS, or LASS column do not dictate separate facilities, but these quantities of equipments are installed to support requirements of the embarked landing force, or for SURTASS or LASS operations.

3. The following amplifying information is provided.

a. Required HF transmitters and receivers must currently be capable of the following emissions/modes of operation: AM, LSB, and USB. Future emission/modes will include Automatic Link Establishment (ALE). Large deck Link Eleven transmit ships require two 1 kW transmitters and Cruisers and below require one 1kW transmitter. A minimum of one half of the HF transmitters must be capable of providing 500 W output power with the remainder being capable of at least 100 W output power. ALE, Limited Range Intercept and Low Probability of Intercept (LRI/LPI) capabilities will be included in all HF installations. Ships with 12 or more transmitters require four ALE capable circuits and ships with 11 or fewer require two. Two exciters may be used to satisfy double/independent sideband operations, however the proper method is to insure all transmitters and receivers are wired for USB, LSB and ISB operations.

b. All systems are considered secure, unless specifically marked "NON-SECURE".

c. The "UHF 225-400 MHZ RCVR SAT BCST" identifies units required to copy the fleet satellite multi-channel broadcast. Equipment used to screen or copy this broadcast is installed based on channelization plans contained in NWP-6, Fleet Telecommunications Publications (FTPs), and Communication Information Bulletins (CIBs).

d. "HFDS" identifies the quantity of MIL-STD 188-110 MODEMs required to replace the antiquated Keyers/Converters required to perform the functions formally found under "SC SIMPLEX TMR", "SC SIMPLEX FSK", "SC DUPLEX FSK" and "SC R/O FSK UNCLAS

e. Secure Voice Terminal requirements are listed in terms of the number of channels required within each of the transmission systems.

4. Antenna Systems: In order to provide necessary circuit capacity and quality, the antenna design should adhere to the following minimum requirements:

a. All transmitters, transceivers, and receivers must be provided access to an antenna such that operation throughout its designed frequency range is possible. Sufficient antennas, couplers, and RF switch matrices must be provided so that with the loss of one antenna the ship will still have access to at least one antenna capable of radiation/reception in the frequency band of the lost antenna.

b. Simultaneous operation of all transmitters, transceivers, and receivers must be possible with consideration to the frequency separation criteria established by electromagnetic compatibility military standards.

(1) At least 75 percent of the MF/HF transmitters must be capable of simultaneous operation in the 2 to 6 mHz band without compromising the ship's designed frequency separation criteria.

(2) 50 percent of the MF/HF transmitters must be capable of simultaneous operation in the 6 to 30 mHz band without compromising the ship's designed frequency separation criteria.

(3) The frequency separation criteria for MF/HF equipment should not exceed 15 percent with the minimum or ideal being 5 percent.

(4) All VHF/UHF transmitters, transceivers, and receivers must be capable of simultaneous operation without compromise to the ship's designed frequency separation criteria.

5. USCG characteristics suffixed with "(N)" indicate the equipment procurement and installation is a USN responsibility.

GLOSSARY OF ACTIVE SHIP/CUTTER CLASSES

ACTIVE NAVY SHIPS

DESIG	TYPE	ACTIVE CLASSES
AOE	FAST COMBAT SUPPORT	AOE-1(1)
ARS	SALVAGE SHIP	ARS-50(1)
AS	SUBMARINE TENDER	AS-39(2)
CG	GUIDED MISSILE CRUISER	CG-47(22)
CV	AIRCRAFT CARRIER	CV-63(1), CV-67(1)
CVN	AIRCRAFT CARRIER (NUCLEAR)	CVN-65(1), CVN-68(9+1)
DDG	GUIDED MISSILE DESTROYER	DDG-51(42+16)
FFG	GUIDED MISSILE FRIGATE	FFG-7(32)
LCC	AMPHIBIOUS FORCE FLAGSHIP	LCC-19(2)
LHA	AMPHIBIOUS ASSAULT SHIP GENERAL-PURPOSE	LHA-1(4)
LHD	AMPHIBIOUS ASSAULT SHIP	LHD-1(7+2)
LPD	AMPHIBIOUS TRANSPORT DOCK	LPD-4(8), LPD-17(0+11) (FLAG & NON-FLAG)
LSD	DOCK LANDING SHIP	LSD-36(3), LSD-41(8), LSD-49(4)
MCM	MINE COUNTERMEASURES VESSEL	MCM-1(14)
MHC	MINEHUNTER COASTAL	MHC-51(6)
PC	COASTAL DEFENSE SHIP	PC-1(8)
SSBN	BALLISTIC MISSILE SUBMARINE	SSBN-726(14)

	(NUCLEAR)	
T-AOE	FAST COMBAT SUPPORT	T-AOE-6(1+3)
T-ARC	CABLE REPAIRING SHIP	T-ARC-7(1)
T-ATF	FLEET OCEAN TUG	T-ATF-166(5)
SSGN	GUIDED MISSILE SUBMARINE (NUCLEAR)	SSBN-726 CONVERTED (0+4)
SSN	SUBMARINE (NUCLEAR)	SSN-21(2+1), SSN-627(1), SSN-688(51), SSN-774(0+7)

MILITARY SEALIFT COMMAND - SHIPS

DESIG	TYPE	ACTIVE CLASSES
T-AE	AMMUNITION SHIP	T-AE-26(6)
T-AFS	COMBAT STORES SHIP	T-AFS-1(3), T-AFS-8(3)
T-AG	NAVIGATION TEST SUPPORT SHIP	T-AG-195(1)
T-AGM	MISSILE RANGE INSTRUMENTATION SHIP	T-AGM-23(1)
T-AGOS	OCEAN SURVEILLANCE SHIP	T-AGOS-1(3), T-AGOS-19(4), T-AGOS-23(1)
T-AGS	SURVEYING SHIP	T-AGS-45(1), T-AGS-51(2), T-AGS-60(5+1)
T-AH	HOSPITAL SHIP	T-AH-19(2)
T-AK	MARITIME PREPOSITIONED SHIP	T-AK-3000(15), T-AK-269(1)
T-AO	FLEET OILER	T-AO-187(13)

COAST GUARD CUTTERS

DESIG	TYPE	ACTIVE CLASSES
WAGB	ICEBREAKER	290'(1), 399'(2), 420'(1)
WHEC	HIGH ENDURANCE CUTTER	378'(12)
WIX	TRAINING CUTTER	295'(1), 180'(1)
WLB	BUOY TENDER SEAGOING	180'(9), 225'(16)
WLI	BUOY TENDER INLAND	65'(3), 100'(2)
WLIC	CONSTRUCTION TENDER INLAND	75'(8), 100'(1), 160'(4)
WLM	BUOY TENDER COASTAL	133'(1), 175'(14)
WLR	BUOY TENDER RIVER	75'(18)
WMEC	MEDIUM ENDURANCE CUTTER	210'(16), 213'(1), 230'(1), 270'(13), 282'(1)
WPB	PATROL CRAFT MEDIUM	82'(5), 110'(49), 87'(33+17)
WTGB	ICE BREAKING TUG	140'(8)
WYTL	HARBOR TUG SMALL	65'(11)

GLOSSARY

GLOSSARY

ADNS — AUTOMATED DIGITAL NETWORK SYSTEM. ADNS provides baseband connectivity between a TCP/IP Medium (i.e., LAN) and an RF Medium that will allow for both IP routing and dynamic bandwidth management to make most efficient use of communications paths.

ALE — AUTOMATIC LINK ESTABLISHMENT. The ability to automatically establish an HF communications link from a pool of frequencies. The ALE controller selects the best frequency for use.

ALM — AUTOMATIC LINK MAINTENANCE. The ability to maintain an established link using ALE technology. As a link becomes unreliable the ALE controller selects the best frequency for use.

AM — AMPLITUDE MODULATION. AM is identified by the emission designator "A".

AUTODIN — AUTOMATED DIGITAL NETWORK. Worldwide message switching network providing message service to subscribers of DOD and National communications systems.

BAS — BLACK ANALOG SWITCH. Provides the switching for both secure and non-secure voice communications circuits. BAS provides switching from the crypto or non-secure line to the transmission/reception device. The system is designed in six (6) variants with the following switching capabilities:

DESIGNATION	LINES/TRUNKS
V1	78 78
V3	90 90
V4	120 120
V5	150 150
V6	180 180
V7	210 210

BASEBAND SWITCH	Automates the routing and distribution of messages on a submarine, and the connecting of radios, cryptographic equipment, and I/O devices.
BCST	BROADCAST. Provides one way message delivery to forces afloat. Many different types of broadcasts exist including: Single Channel, Satellite Multi-Channel, LF and VLF Verdin submarine broadcast.
BFEM66	BATTLE FORCE E-MAIL STANAG 5066. A sub-system to HFDS, provides E-mail capability over an HF link at datarates up to 9.6 kbps for Battle Group operations.
CDLMS	COMMON DATA LINK MANAGEMENT SYSTEM. Enhances data link management capabilities shipboard using open system software.
CDLS	COMMON DATA LINK SYSTEM. A full duplex, jam resistant, point-to-point, microwave communications system for use in imagery and signals intelligence systems. It provides an interoperable, high bandwidth, digital data link for air-to-ground, air-to-surface, and air-to-satellite (relay) communications in airborne reconnaissance systems
CENTRIXS	COMBINED ENTERPRISE REGIONAL INFORMATION EXCHANGE SYSTEM. Coalition information sharing with core data services including web replication, secure email, collaboration, Common Operations picture (COP), and chat at the secret and below level for afloat combined operations with allied/coalition partners.
COWAN	COALITION WIDE AREA NETWORK
CUDIXS	COMMON USER DIGITAL INFORMATION EXCHANGE SYSTEM. Provides a bidirectional, ship-to- shore-to-ship, high-speed digital data communications link between a ship and a Naval Computer and

Telecommunications Master Station (NCTAMS) or Naval Computer and Telecommunications Station (NAVCOMMTELSTA). Subscriber stations use the Naval Modular Automated Communications System NAVMACS) as their terminal. The link consists of a single Fleet Satellite Communications (FLTSATCOM) half-duplex channel. The link is dedicated to synchronous communications between the CUDIXS shore station (Net Control Station (NCS)) and the subscribers afloat.

DAMA — DEMAND ASSIGNED MULTIPLE ACCESS. Gives a single 25 kHz UHF satellite channel the ability to operate four independent terminal systems by using multiplexing technology. A single DAMA system is denoted by the figure "1" in the ship column. The figure "2" and "4" represent dual and quad DAMA capability.

DMR — DIGITAL MODULAR RADIO. DMR provides a software programmable radio system that operates in transmit mode in the 2mHz-2gHz range and in receive mode in the .1mHz-2gHz range. DMR will replace HF, VHF, UHF LOS and UHF SATCOM systems with a 4 channel full duplex system. Ships with a requirement for 5 HF, 2 VHF, 9 UHF LOS and 4 UHF SATCOM devices will require 5 DMR systems to fulfill their requirements. DMR will transition to JTRS when that system matures.

DMS — DEFENSE MESSAGE SYSTEM. DMS is the designated message system created by the Defense Information Systems Agency (DISA) for DOD and supporting agencies. DMS is a flexible, commercial off the shelf based application providing multimedia messaging and directory services using the underlying Defense Information Infrastructure network and security services. DMS is installed and operational at 270 military installations worldwide.

DWTS — DIGITAL WIDEBAND TRANSMISSION SYSTEM. A wideband line-of-site transmission system used on Amphibious ships for ship-to-ship and ship-to-

shore data transfer at data rates up to 2048 kbps using the frequencies between 1350-1850 mHz.

EHF — EXTREMELY HIGH FREQUENCY. 30-300 gHz. For this instruction EHF is considered 20.2-45.5 gHz.

ELF — EXTREMELY LOW FREQUENCY. .3-3 kHz.

EPIRB — EMERGENCY POSITIONING INDICATOR RADIO BEACON. An emergency radio system using 406 mHz and 121.5 mHz.

FDCS — FLIGHT DECK COMMUNICATION SYSTEM. Provides communications with flight deck personnel during flight operations. Uses a fixed master station and portable radios on flight deck personnel.

FM — FREQUENCY MODULATION. FM is identified by the emission designator "F".

FORCENET — Is the concept applied to Naval Communications Enterprise capabilities (including capabilities and standards) and replaced the older conceptual term of "Copernicus".

FREQUENCY SPECTRUM — The international radio frequency band designation are shown below with their numerical designations:

ELF (1)	3-30 Hz	HF (7)	3-30 mHz
SLF (2)	30-300 Hz	VHF (8)	30-300 mHz
ULF (3)	.3-3 kHz	UHF (9)	.3-3 gHz
VLF (4)	3-30 kHz	SHF (10)	3-30 gHz
LF (5)	30-300 kHz	EHF (11)	30-300 gHz
MF (6)	.3-3 mHz		

FSK — FREQUENCY SHIFT KEYING. FSK is identified by the emission designator "F1B".

FSM — Fleet SIPRnet Messaging

GBS — GLOBAL BROADCAST SYSTEM. Satellite based Broadcast that provides video, audio and data directly to the warfighter.

GHZ	GIGAHERTZ. A unit of frequency in billions.
HAVEQUICK	HAVEQUICK. Provides Ultra High Frequency (UHF) Line of Sight (LOS) with a frequency hopping capability.
HDR	HIGH DATA RATE. Data rates above 2048 kbps.
HF	HIGH FREQUENCY. 3-30 mHz. For this instruction HF is considered 2-30 mHz.
HFDS	HIGH FREQUENCY DATA SYSTEMS. HF information transfer system which provides reconfigurable 75-9600 bps HF MODEMs.
HFRG	HIGH FREQUENCY RADIO GROUP. Provides high frequency Ship-to-ship, Ship-to-air, and Ship-to-shore tactical and strategic radio communications. HFRG accomplishes this through its ability to provide rapid radio frequency changes and Broadband Radio architecture. Automates HF transmit and receive functions, increases HF radio reliability, minimizes channel separation, and reduces topside antenna requirements. Currently installed HFRG Broadband systems include the AN/URC-131 and AN/URC-109.
HYDRA	A wire free internal shipboard communications systems with short range off ship capability. System is used for Flight Deck Control, Damage Control, and Force Protection.
HZ	HERTZ. A unit of frequency.
INMARSAT	INTERNATIONAL MARITIME SATELLITE. Provides Satellite Communications (SATCOM) connectivity for civil coordination, Non-Combatant Evacuation Operations (NEO), augmentation of military assets; administrative logistics and mission support traffic; interoperability with National and International merchant shipping; coordination of Search and Rescue (SAR) operations; NIPR and SIPR connectivity and increased ship to shore direct dial telephone access ISO Operations.

ISB	INDEPENDENT SIDE BAND.
ISDS	INFORMATION SCREENING AND DELIVERY SYSTEM. An IP based submarine messaging system. Automates the Broadcast Screening functionality. Integrated into, but not dependent on the Submarine SMS.
JTIDS	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM. (Link 16) Provides secure jam resistant air, ship-air, air-ship and ship-ship data and voice communications, relative navigation and precise identification in the 960-1215 mHz frequency range.
JTRS	JOINT TACTICAL RADIO SYSTEM. JTRS is a DOD initiative designed to provide a flexible approach to meet diverse warfighter communications needs through software programmable radio technology. Service requirements are "clustered" so that similar needs can be met by a single acquisition effort. Handheld, Manpack, Aviation and Maritime/Fixed radios are examples of the clusters.
KHZ	KILOHERTZ. A unit of frequency in thousands.
LAN	LOCAL AREA NETWORK.
LASS	LAUNCH AREA SUPPORT SHIP. Trident missile launch area support ship.
LDR	LOW DATA RATE. Data rates below 19.2 kbps
LF	LOW FREQUENCY. 30-300 kHz.
LPI	LOW PROBABILITY OF INTERCEPT.
LRI	LIMITED RANGE INTERCEPT.
LSB	LOWER SIDE BAND.
MC	MULTI-CHANNEL.

MDR	MEDIUM DATA RATE. Data rates between 19.2 kbps and 2048 kbps.
MF	MEDIUM FREQUENCY. .3-3 mHz.
MHZ	MEGAHERTZ. A unit of frequency in millions
MILDET	MILITARY DETACHMENT. Aboard USNS ships.
MOS	MIDS ON SHIP or MULTIFUNCTIONAL INFORMATION DISTRIBUTION SYSTEM ON SHIP. MOS provides real-time secure, high-capacity, jam resistant digital Link 16 data and voice communications capabilities to ships, increasing situational awareness for these forces.
MPD	MESSAGE PREPARATION DEVICE. Prepares message traffic for transmission. This requirement may be filled by a video display terminal, keyboard and message transfer capability or a teleprinter with message transfer capability.
MSC	MILITARY SEALIFT COMMAND.
MSK	MINIMUM SHIFT KEYING. MSK is identified by the emission designator "F9" or "004HF1B".
MUTE	MULTIPLE UNIT FOR TRANSMISSION ELIMINATION. MUTE controls all shipboard radiation sources from a centralized location, therefore Emission Control (EMCON) is controlled from a single point.
NAVMACS	NAVAL MODULAR AUTOMATED COMMUNICATIONS SYSTEM. NAVMACS system currently in use consist of three variants (NAVMACS V2, V3, and V5A). The chart below shows each systems capabilities: Message screening (4 Channels) Message logging Message serial checking Minimal message retention CUDIXS transmit/receive

V2	Improved traffic processing Added message accountability Message storage on MAG tape Message retrieval Communications report generation Message preparation device
V3	Improved traffic processing Supply communications interface Advance message accountability Mass message retention on tape/disc Improved traffic processing Duplicate message searching Electronic message releasing Internal distribution to remote terminals
V5A	Internal routing to remote terminals
NAVMACS II	NAVAL MODULAR AUTOMATED COMMUNICATIONS SYSTEM II. Next generation NAVMACS currently being fielded. Incorporates all existing NAVMACS capabilities plus many additional capabilities including greatly expanded memory/storage, CUDIXS at 9.6 kbps, complete system redundancy, use of Non Development Initiative (NDI) equipment, and greatly reduces weight and size. NAVMACS II provides an interface to shipboard Local Area Networks (LAN).
NAVTEX	NAVTEX RECEIVER. Low-cost commercial off the shelf receiver, operating on 518 kHz, designed to acquire weather warnings, navigational notices and search and rescue messages.
NCTAMS	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION.
NCTS	NAVAL COMPUTER AND TELECOMMUNICATIONS STATION.
NTCSS	NAVAL TACTICAL COMMAND SUPPORT SYSTEM. Provides a full range of standardized mission support ADP hardware and software to support management of logistics information, personnel, material management, equipment maintenance, and finances

required to maintain and operate ships, submarines, and aircraft in support of the Navy and Marine Corps. NTCSS was established by the merger of three key programs: The Shipboard Non-Tactical Automated Data Processing Program (SNAP), the Naval Aviation Logistics Command Management Information System (NALCOMIS), and Maintenance Resource Management System (MRMS).

OTCIXS — OFFICER IN TACTICAL COMMAND INFORMATION EXCHANGE SYSTEM. Provides for a two way exchange of perishable tactical information between multiple subscribers using a Satellite channel.

PMI — PROPOSED MILITARY IMPROVEMENT.

PSK — PHASE SHIFT KEYING. PSK is identified by the emission designator "F".

QMCS — QUALITY MONITORING CONTROL SYSTEM. Monitors communications signals and aids in maintaining RCS equipment performance standards. While all ships require some quality monitoring capability, ships with NAVMACS will have a QMCS installed.

RCVR — RECEIVER

RED SAS — RED SINGLE AUDIO SYSTEM. Provides access for both secure and non-secure voice communications circuits. Red SAS provides switching from the remote transmission/reception devices to the secure crypto or non-secure line. SAS is an automatic switch designed in eight (8) variants with the following capabilities:

DESIGNATION	LINES/TRUNKS	
V1	36	17
V3	54	33
V4	72	44
V5	90	55
V6	108	66
V7	126	77
V8	144	88
V9	162	99

RFCS	RADIO FREQUENCY CARRIER SHIFT.
SCI ADNS	SENSITIVE COMPARTMENTED INFORMATION ADNS. An ADNS system installed in SCI spaces.
SINCGARS	SINGLE CHANNEL GROUND TO AIR RADIO SYSTEM. Provides Very High Frequency (VHF) 30-88 mHz with a frequency hopping capability.
SHF	SUPER HIGH FREQUENCY. 3-30 gHz. For this instruction SHF is considered 7-8 gHz.
SMS	SINGLE MESSAGING SOLUTION (NAVMACS II/SMS). Follow-on system to the NAVMACS II, providing legacy AUTODIN, DMS and FSM capability within a single unit.
SSES	SHIP'S SIGNAL EXPLOITATION SPACE.
SSIXS	SUBMARINE SATELLITE INFORMATION EXCHANGE SYSTEM. Provides submarines with a satellite capability to receive group broadcast at scheduled intervals and process communications.
SUBMARINE SMS	SUBMARINE SINGLE MESSAGING SOLUTION. Submarine variant of the SMS. Providing both legacy (AUTODIN), and ISDS capability in a single VME chassis based unit.
SURTASS	SURFACE TOWED ARRAY SONAR SYSTEM.
TADIXS	TACTICAL DIGITAL INFORMATION EXCHANGE SYSTEM. Provided in two configurations, TADIXS A and TADIXS B. TADIXS A Provides one way satellite delivery of digital data from various shore sites (SOCC/MPCC/FOSIC/FOSIF) to TOMAHAWK missile equipped ships/submarines and major afloat commanders. TADIXS B Provides UHF satellite broadcast of near-real-time contact reporting on ocean surveillance and land based emitter intercepts to

	tactical receive equipment (TRE) configured users, including flagships and TOMAHAWK missile equipped platforms. The standard configuration is a dual channel receive capability merged into a single processor.
TDM	TIME DIVISION MULTIPLEXER. In addition to their current requirements TDM systems are replacing VFCT systems.
TRP	TROOP. USMC communication spaces on amphibious ships.
TSS	TACTICAL SWITCHING SYSTEM. Provides switching compatible TRI-Service Tactical (TRI-TAC) equipment and Ground Mobile Forces (GMF). It supports voice, video, and data and uses SHF SATCOM and DWTS as its RF Medium.
TVS BLACK	TACTICAL VARIANT SWITCH BLACK. Replacement for the Black Analog Switch (BAS).
TVS RED	TACTICAL VARIANT SWITCH RED. Replacement for the Red Single Audio Switch System (RED SAS) Secret Analog Switch (SAS).
UHF	ULTRA HIGH FREQUENCY. 300-3000 mHz. For this instruction UHF is considered 225-399.9 mHz.
UHF DAMA	UHF DEMAND ASSIGNED MULTIPLE ACCESS. See DAMA.
USB	UPPER SIDE BAND.
VERDIN	VERDIN. Provides multi-channel (Up to 4 channels) MSK submarine broadcast in the LF AND VLF frequency range.
VHF	VERY HIGH FREQUENCY. 30-300 mHz. For this instruction VHF is referred to in 3 bands, VHF low band is 30-88 mHz. VHF mid band is 115-156 mHz and VHF high band is 156-162 mHz.

VIXS	VIDEO INFORMATION EXCHANGE SYSTEM. Provides Secure Tactical video teleconferencing capability.
VLF	VERY LOW FREQUENCY. 3-30 kHz.
XCVR	TRANSCEIVER
XMIT	TRANSMITTER

U.S. NAVY SHIPS

AOE

A.	RADIO FREQUENCY SYSTEMS	SHIP
	MF/HF 2-30 MHZ XMIT LPI 500W	2
	MF/HF 2-30 MHZ XMIT LPI 100W	2
	MF/HF .14-30 MHZ RCVR	6
	VHF 115-116 MHZ XCVR A3	2
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR A3/F3	6
	UHF 225-400 MHZ XCVR SAT	2
	UHF 225-400 MHZ RCVR SAT BCST	1
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	4
	UHF 1626-1646 MHZ XCVR INMARSAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	NAVMACS/DMS PROXY	1
	FLTSAT MC BCST	4
	HFDS	3
	BFEM66	1
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	NTCSS	1

E.	SECURE VOICE SYSTEMS	SHIP
	HF SC (N/B)	2
	UHF SC (W/B)	4
	UHF SAT (N/B)	1

F.	COMPUTER SYSTEMS [1]	SHIP
	LAN CLASSIFIED	59
	LAN UNCLASSIFIED	130

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP
	HF 2-20 MHZ M/P	1
	VHF 30-88 MHZ M/P	4
	VHF 138-150 MHZ H/H	15
	VHF 156-162 MHZ H/H	5
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	3
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3
	UHF 225-400 MHZ M/P	1
	UHF 225-400 MHZ SAT M/P	1
	UHF 380-400 MHZ HYDRA H/H	40
	UHF 380-400 MHZ HYDRA FIXED	4

J.	VISUAL	SHIP
	INFRA RED RECEIVER	6
	12" SIGNAL SEARCH LIGHT	6
	MULTI-PURPOSE LIGHT H/H	6
	FLAG BAG	2

1. BASED ON 2003 AUTHORIZED DROP LEVELS

ARS

A.	RADIO FREQUENCY SYSTEMS	SHIP
	MF/HF 2-30 MHZ XMIT LPI 500W	2
	MF/HF 2-30 MHZ XMIT LPI 100W	1
	MF/HF .14-30 MHZ RCVR	6
	VHF 30-88 MHZ XCVR F3	1
	VHF 115-116 MHZ XCVR A3	2
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR A3/F3	2
	UHF 225-400 MHZ XCVR SAT	2
	UHF 225-400 MHZ RCVR SAT BCST	1
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	2
	UHF 1626-1646 MHZ XCVR INMARSAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	NAVMACS/DMS PROXY	1
	FLTSAT MC BCST	4
	HFDS	2
	BFEM66	1
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	NONE	

E.	SECURE VOICE SYSTEMS	SHIP
	HF SC (N/B)	2
	VHF SC (W/B)	1
	UHF SC (W/B)	2
	UHF SAT (N/B)	1

F.	COMPUTER SYSTEMS [1]	SHIP
	LAN CLASSIFIED	21
	LAN UNCLASSIFIED	35

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP
	HF 2-20 MHZ M/P	1
	VHF 30-88 MHZ M/P	4
	VHF 138-150 MHZ H/H	10
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	3
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3
	UHF 225-400 MHZ M/P	1
	UHF 225-400 MHZ SAT M/P	1
	UHF 380-400 MHZ HYDRA H/H	20
	UHF 380-400 MHZ HYDRA FIXED	2

H.	VISUAL	SHIP
	INFRA RED RECEIVER	3
	12" SIGNAL SEARCH LIGHT	3
	MULTI-PURPOSE LIGHT H/H	4
	FLAG BAG	2

1. BASED ON 2003 AUTHORIZED DROP LEVELS

AS

A.	RADIO FREQUENCY SYSTEMS	SHIP
	MF/HF 2-30 MHZ XMIT LPI 500W	2
	MF/HF 2-30 MHZ XMIT LPI 100W	2
	MF/HF .14-30 MHZ RCVR	8
	VLF/LF 14-60 KHZ RCV A1/F1/F9 MSK	2
	VLF/LF 14-175 KHZ RCV A1/F1/F9 MSK	1
	VHF 115-116 MHZ XCVR A3	2
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR A3/F3	4
	UHF 225-400 MHZ XCVR SAT	4
	UHF 225-400 MHZ RCVR SAT BCST	1
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	4
	UHF 1626-1646 MHZ XCVR INMARSAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	NAVMACS/DMS PROXY	1
	SSIXS	1
	FLTSAT MC BCST	7
	HFDS	3
	BFEM66	1
	UHF DAMA	2

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	NTCSS	1
	OTCIXS	1

E. SECURE VOICE SYSTEMS	SHIP
HF SC (N/B)	3
UHF SC (W/B)	4
UHF SAT (N/B)	4

F. COMPUTER SYSTEMS [1]	SHIP
LAN CLASSIFIED	240
LAN UNCLASSIFIED	280

G. PORTABLE EMERGENCY EQUIPMENT	SHIP
HF 2-20 MHZ M/P	1
VHF 30-88 MHZ M/P	4
VHF 138-150 MHZ H/H	15
VHF 156-162 MHZ H/H	10
VHF/UHF 121.5/243.0 MHZ EMERG L/B	3
VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3
UHF 225-400 MHZ M/P	2
UHF 225-400 MHZ SAT M/P	1
UHF 380-400 MHZ HYDRA H/H	40
UHF 380-400 MHZ HYDRA FIXED	4

I. VISUAL	SHIP
INFRA RED RECEIVER	6
12" SIGNAL SEARCH LIGHT	6
MULTI-PURPOSE LIGHT H/H	6
FLAG BAG	2

1. BASED ON 2003 AUTHORIZED DROP LEVELS

CG

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES
	MF/HF 2-30 MHZ XMIT LPI 500W	4	1
	MF/HF 2-30 MHZ XMIT LPI 100W	4	1
	MF/HF .14-30 MHZ RCVR	12 [1]	2
	VHF 30-88 MHZ XCVR F3	2 [2]	
	VHF 115-116 MHZ XCVR A3	3	
	VHF 156-162 MHZ XCVR F3	1	
	UHF 225-400 MHZ XCVR A3/F3	14 [3]	2
	UHF 225-400 MHZ XCVR NTDS	2	
	UHF 225-400 MHZ XCVR SAT	5	
	UHF 225-400 MHZ RCVR SAT BCST	1	
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	6	
	UHF 1626-1646 MHZ XCVR INMARSAT	1	
	SHF 7-8 GHZ XCVR SAT	1	
	EHF 20.2-45.5 GHZ XCVR SAT	1	

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES
	NAVMACS/DMS PROXY	1	
	FLTSAT MC BCST	7	2
	HFDS	5	
	BFEM66	1	
	UHF DAMA	2	

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES
	ADNS	1	1
	BLACK TVS	1	
	RED TVS	1	
	MUTE	1	
	QMCS	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES
	CDLMS	1	
	CDLS	1	1
	GCCS-M	1	
	MOS/JTIDS	1	
	NTCSS	1	

D. COMMAND AND CONTROL SYSTEMS	SHIP	SSES
OTCIXS	1	
TADIXS A	1	
TADIXS B	1	

E. SECURE VOICE SYSTEMS	SHIP	SSES
HF SC (N/B)	6	1
VHF SC (W/B)	1	
UHF SC (W/B)	14	2
UHF SAT (N/B)	2	
EHF SAT (N/B)	2	

F. COMPUTER SYSTEMS [4]	SHIP	SSES
LAN CLASSIFIED	63	
LAN UNCLASSIFIED	111	
LAN SCI		2
CENTRIX-M (BLOCK 0) [5]	3	

G. PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES
HF 2-20 MHZ M/P	2	
VHF 30-88 MHZ M/P	6	
VHF 138-150 MHZ H/H	15	
VHF/UHF 121.5/243.0 MHZ EMERG L/B	3	
VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3	
UHF 225-400 MHZ M/P	2	
UHF 225-400 MHZ SAT M/P	1	
UHF 380-400 MHZ HYDRA H/H	105	
UHF 380-400 MHZ HYDRA FIXED	6	

H. VISUAL	SHIP	SSES
INFRA RED RECEIVER	4	
12" SIGNAL SEARCH LIGHT	4	
MULTI-PURPOSE LIGHT H/H	4	
FLAG BAG	2	

NOTES:

1. ALL VHF
2. INCLUDES 3 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS
5. BASED ON 2006 AUTHORIZED DROP LEVELS

CV/CVN

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES
	MF/HF 2-30 MHZ XMIT LPI 500W	6	1
	MF/HF 2-30 MHZ XMIT LPI 100W	7	1
	MF/HF .14-30 MHZ RCVR	18 [1]	2
	VHF 30-88 MHZ XCVR F3	2	
	VHF 115-116 MHZ XCVR A3	2	
	VHF 156-162 MHZ XCVR F3	1	
	UHF 225-400 MHZ XCVR A3/F3	31 [2]	2
	UHF 225-400 MHZ XCVR NTDS	4	
	UHF 225-400 MHZ XCVR SAT	12	
	UHF 225-400 MHZ RCVR SAT BCST	1	
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	14	
	UHF 1626-1646 MHZ XCVR INMARSAT	1	
	SHF 7-8 GHZ XCVR SAT	1	
	SHF 7-8 GHZ XCVR COMMERCIAL SAT	1	
	EHF 20.2-45.5 GHZ XCVR SAT	2	

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES
	NAVMACS/DMS PROXY	1	
	FLTSAT MC BCST	13	2
	HFDS	5	
	BFEM66	1	
	UHF DAMA	4	

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES
	ADNS	1	1
	BLACK TVS	1	
	RED TVS	1	
	MUTE	1	
	QMCS	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES
	CDLMS	1	
	CDLS	1	1
	GCCS-M	1	
	MOS/JTIDS	1	
	NTCSS	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES
	OTCIXS	1	
	TADIXS A	1	
	TADIXS B	1	

E.	SECURE VOICE SYSTEMS	SHIP	SSES
	HF SC (N/B)	11	1
	VHF SC (W/B)	2	
	UHF SC (W/B)	27	2
	UHF SAT (N/B)	2	
	SHF SAT (N/B)	1	
	EHF SAT (N/B)	2	

F.	COMPUTER SYSTEMS [3]	SHIP	SSES
	LAN CLASSIFIED	174	
	LAN UNCLASSIFIED	855	
	LAN SCI		30
	CENTRIX-M (BLOCK I) [4]	10	

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES
	HF 2-20 MHZ M/P	2	
	VHF 30-88 MHZ M/P	4	
	VHF 138-150 MHZ H/H	4	
	VHF 156-162 MHZ H/H	6	
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	
	UHF 225-400 MHZ M/P	4	
	UHF 225-400 MHZ SAT M/P	3	
	UHF 380-400 MHZ HYDRA H/H	600	
	UHF 380-400 MHZ HYDRA FIXED	62	

H.	VISUAL	SHIP	SSES
	INFRA RED RECEIVER	6	
	12" SIGNAL SEARCH LIGHT	6	
	MULTI-PURPOSE LIGHT H/H	4	
	FLAG BAG	2	

NOTES:

1. 2 LOCATED IN METEOROLOGY SPACES
2. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
3. BASED ON 2003 AUTHORIZED DROP LEVELS
4. BASED ON 2006 AUTHORIZED DROP LEVELS

DDG

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES [1]
	MF/HF 2-30 MHZ XMIT LPI 500W	4	
	MF/HF 2-30 MHZ XMIT LPI 100W	4	
	MF/HF .14-30 MHZ RCVR	12	
	VHF 30-88 MHZ XCVR F3	2 [2]	
	VHF 115-116 MHZ XCVR A3	3	
	VHF 156-162 MHZ XCVR F3	1	
	UHF 225-400 MHZ XCVR A3/F3	16 [3]	
	UHF 225-400 MHZ XCVR NTDS	2	
	UHF 225-400 MHZ XCVR SAT	5	
	UHF 225-400 MHZ RCVR SAT BCST	1	
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	6	
	UHF 1626-1646 MHZ XCVR INMARSAT	1	
	SHF 7-8 GHZ XCVR SAT	1	
	EHF 20.2-45.5 GHZ XCVR SAT	1	

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES [1]
	NAVMACS/DMS PROXY	1	
	FLTSAT MC BCST	7	2
	HFDS	2	
	BFEM66	1	
	UHF DAMA	2	

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES [1]
	ADNS	1	
	BLACK TVS	1	
	RED TVS	1	
	MUTE	1	
	QMCS	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES [1]
	CDLMS	1	
	CDLS	1	1
	GCCS-M	1	
	MOS/JTIDS	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES [1]
	NTCSS	1	
	OTCIXS	1	
	TADIXS B	1	

E.	SECURE VOICE SYSTEMS	SHIP	SSES [1]
	HF SC (N/B)	2	
	VHF SC (W/B)	1	
	UHF SC (W/B)	2	
	UHF SAT (N/B)	1	

F.	COMPUTER SYSTEMS [1]	SHIP	SSES [2]
	LAN CLASSIFIED	56	
	LAN UNCLASSIFIED	111	
	LAN SCI		2
	CENTRIX-M (BLOCK 0) [4]	3	

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES [2]
	HF 2-20 MHZ M/P	1	
	VHF 30-88 MHZ M/P	2	
	VHF 138-150 MHZ H/H	15	
	VHF 156-162 MHZ H/H	2	
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	
	UHF 225-400 MHZ M/P	2	
	UHF 225-400 MHZ SAT M/P	1	
	UHF 380-400 MHZ HYDRA H/H	105	
	UHF 380-400 MHZ HYDRA FIXED	11	

H.	VISUAL	SHIP	SSES [1]
	INFRA RED RECEIVER	4	
	12" SIGNAL SEARCH LIGHT	4	
	MULTI-PURPOSE LIGHT H/H	4	
	FLAG BAG	2	

NOTES:

1. BASED ON 2003 AUTHORIZED DROP LEVELS
2. SSES Space installed starting with DDG-72
3. INCLUDES 1 SINCGARS CAPABLE RADIOS
4. BASED ON 2006 AUTHORIZED DROP LEVELS

FFG

A.	RADIO FREQUENCY SYSTEMS	SHIP
	MF/HF 2-30 MHZ XMIT LPI 500W	3 [1]
	MF/HF 2-30 MHZ XMIT LPI 100W	2
	MF/HF .14-30 MHZ RCVR	8 [1]
	VHF 30-88 MHZ XCVR F3	1 [2]
	VHF 115-116 MHZ XCVR A3	3
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR A3/F3	7 [3]
	UHF 225-400 MHZ XCVR NTDS	1
	UHF 225-400 MHZ XCVR SAT	2
	UHF 225-400 MHZ RCVR SAT BCST	1
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	4
	UHF 1626-1646 MHZ XCVR INMARSAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	NAVMACS/DMS PROXY	1
	FLTSAT MC BCST	7
	HFDS	5
	BFEM66	1
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	CDLMS	1
	NTCSS	1
	OTCIXS	1

E. SECURE VOICE SYSTEMS	SHIP
HF SC (N/B)	3
VHF SC (W/B)	1
UHF SC (W/B)	6
UHF SAT (N/B)	1
EHF SAT (N/B)	2

F. COMPUTER SYSTEMS [4]	SHIP
LAN CLASSIFIED	35
LAN UNCLASSIFIED	67
CENTRIX-M (BLOCK 0) [5]	3

G. PORTABLE EMERGENCY EQUIPMENT	SHIP
HF 2-20 MHZ M/P	1
VHF 30-88 MHZ M/P	4
VHF 138-150 MHZ H/H	12
VHF/UHF 121.5/243.0 MHZ EMERG L/B	2
VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2
UHF 225-400 MHZ M/P	2
UHF 225-400 MHZ SAT M/P	1
UHF 380-400 MHZ HYDRA H/H	40
UHF 380-400 MHZ HYDRA FIXED	5

H. VISUAL	SHIP
INFRA RED RECEIVER	4
12" SIGNAL SEARCH LIGHT	4
MULTI-PURPOSE LIGHT H/H	4
FLAG BAG	2

NOTES:

1. 1 LINK 11 INSTALLED ON A SHARED BASIS
2. INCLUDES 2 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS
5. BASED ON 2006 AUTHORIZED DROP LEVELS

LCC

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES	TRP
	MF/HF 2-30 MHZ XMIT LPI 500W	8	1	3
	MF/HF 2-30 MHZ XMIT LPI 100W	6	1	3
	MF/HF .14-30 MHZ RCVR	20 [1]	2	7
	VHF 30-88 MHZ XCVR F3	10 [2]	6	
	VHF 115-116 MHZ XCVR A3	2		
	VHF 156-162 MHZ XCVR F3	1		
	UHF 225-400 MHZ XCVR A3/F3	24 [3]	2	
	UHF 225-400 MHZ XCVR NTDS	2		
	UHF 225-400 MHZ XCVR SAT	12		
	UHF 225-400 MHZ RCVR SAT BCST	1		
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	6		
	UHF 1350-1850 MHZ XCVR DWTS LOS	1		
	UHF 1626-1646 MHZ XCVR INMARSAT	1		
	SHF 7-8 GHZ XCVR SAT	1		
	SHF 7-8 GHZ XCVR COMMERCIAL SAT	1		
	EHF 20.2-45.5 GHZ XCVR SAT	2		

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES	TRP
	NAVMACS/DMS PROXY	1		
	HFDS	5	2	2
	FLTSAT MULTI-CHANNEL BCST	13	2	
	BFEM66	1		
	UHF DAMA	4		

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES	TRP
	ADNS	1	1	
	BLACK TVS	1		
	RED TVS	1		
	MUTE	1		
	QMCS	1		

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	CDLMS	1		
	CDLS	1	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	GCCS-M	1		
	MOS/JTIDS	1		
	NTCSS	1		
	OTCIXS	1		
	TADIXS A	1		
	TADIXS B	1		

E.	SECURE VOICE SYSTEMS	SHIP	SSES	TRP
	HF SC (N/B)	12	1	5
	VHF SC (W/B)	8		6
	UHF SC (W/B)	24	2	
	UHF SAT (N/B)	2		
	SHF SAT (N/B)	1		
	EHF SAT (N/B)	2		

F.	COMPUTER SYSTEMS [4]	SHIP	SSES	TRP
	LAN CLASSIFIED	350		
	LAN UNCLASSIFIED	167		
	LAN SCI		45	
	CENTRIX-M (BLOCK II)[5]	100		

H.	PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES	TRP
	HF 2-20 MHZ M/P	4		
	VHF 30-88 MHZ M/P	10		
	VHF 30-88 MHZ H/H	8		
	VHF 138-150 MHZ H/H	20		
	VHF 156-162 MHZ H/H	6		
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	3		
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3		
	UHF 225-400 MHZ M/P	3		
	UHF 225-400 MHZ SAT M/P	1		
	UHF 380-400 MHZ HYDRA H/H	77		
	UHF 380-400 MHZ HYDRA FIXED	7		

I. VISUAL	SHIP	SSES	TRP
INFRA RED RECEIVER	4		
12" SIGNAL SEARCH LIGHT	4		
MULTI-PURPOSE LIGHT H/H	6		
FLAG BAG	2		

NOTES:

1. 2 LOCATED IN METEOROLOGY SPACES
2. INCLUDES 3 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS
5. BASED ON 2006 AUTHORIZED DROP LEVELS

LHA

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES	TRP
	MF/HF 2-30 MHZ XMIT LPI 500W	8	1	3
	MF/HF 2-30 MHZ XMIT LPI 100W	6	1	3
	MF/HF .14-30 MHZ RCVR	20 [1]	2	7
	VHF 30-88 MHZ XCVR F3	5 [2]	11	
	VHF 115-116 MHZ XCVR A3	2		
	VHF 156-162 MHZ XCVR F3	1		
	UHF 225-400 MHZ XCVR A3/F3	16 [3]	2	2
	UHF 225-400 MHZ XCVR NTDS	2		
	UHF 225-400 MHZ XCVR SAT	12		
	UHF 225-400 MHZ RCVR SAT BCST	1		
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	6		
	UHF 1350-1850 MHZ XCVR DWTS LOS	1		
	UHF 1626-1646 MHZ XCVR INMARSAT	1		
	SHF 7-8 GHZ XCVR SAT			
	SHF 7-8 GHZ XCVR COMMERCIAL SAT	1		
	EHF 20.2-45.5 GHZ XCVR SAT	2		

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES	TRP
	NAVMACS/DMS PROXY	1		
	FLTSAT MULTI-CHANNEL BCST	13	2	
	HFDS	5		
	BFEM66	1		
	UHF DAMA	4		

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES	TRP
	ADNS	1	1	
	BLACK TVS	1		
	RED TVS	1		
	MUTE	1		
	QMCS	1		

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	CDLMS	1		
	CDLS	1	1	
	GCCS-M	1		

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	MOS/JTIDS	1		
	NTCSS	1		
	OTCIXS	1		
	TADIXS A	1		
	TADIXS B	1		

E.	SECURE VOICE SYSTEMS	SHIP	SSES	TRP
	HF SC (N/B)	12	1	6
	VHF SC (W/B)	5		11
	UHF SC (W/B)	16	2	2
	UHF SAT (N/B)	2		
	SHF SAT (N/B)	1		
	EHF SAT (N/B)	2		

F.	COMPUTER SYSTEMS [4]	SHIP	SSES	TRP
	LAN CLASSIFIED	138		
	LAN UNCLASSIFIED	421		
	LAN SCI	12		
	CENTRIX-M (BLOCK I) [5]	10		

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES	TRP
	HF 2-20 MHZ M/P	4		
	VHF 30-88 MHZ M/P	10		
	VHF 30-88 MHZ H/H	8		
	VHF 138-150 MHZ H/H	20		
	VHF 156-162 MHZ H/H	6		
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	3		
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3		
	UHF 225-400 MHZ M/P	3		
	UHF 225-400 MHZ SAT M/P	1		
	UHF 380-400 MHZ HYDRA H/H	166		24
	UHF 380-400 MHZ HYDRA FIXED	20		1

H.	VISUAL	SHIP	SSES	TRP
	INFRA RED RECEIVER	4		
	12" SIGNAL SEARCH LIGHT	4		

H.	VISUAL	SHIP	SSES	TRP
	MULTI-PURPOSE LIGHT H/H	10		
	FLAG BAG	2		

NOTES:

1. 2 LOCATED IN METEOROLOGY SPACES
2. INCLUDES 3 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS
5. BASED ON 2006 AUTHORIZED DROP LEVELS

LHD

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES	TRP
	MF/HF 2-30 MHZ XMIT LPI 500W	8	1	3
	MF/HF 2-30 MHZ XMIT LPI 100W	6	1	3
	MF/HF .14-30 MHZ RCVR	20 [1]	2	7
	VHF 30-88 MHZ XCVR F3	5 [2]	11	
	VHF 115-116 MHZ XCVR A3	2		
	VHF 156-162 MHZ XCVR F3	12		
	UHF 225-400 MHZ XCVR A3/F3	16 [3]	2	2
	UHF 225-400 MHZ XCVR NTDS	2		
	UHF 225-400 MHZ XCVR SAT	12		
	UHF 225-400 MHZ RCVR SAT BCST	1		
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	10		
	UHF 1350-1850 MHZ XCVR DWTS LOS	1		
	UHF 1626-1646 MHZ XCVR INMARSAT	1		
	SHF 7-8 GHZ XCVR SAT	1		
	SHF 7-8 GHZ XCVR COMMERCIAL SAT	1		
	EHF 20.2-45.5 GHZ XCVR SAT	2		

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES	TRP
	NAVMACS/DMS PROXY	1		
	FLTSAT MC BCST	13	2	
	HFDS	5		
	BFEM66	1		
	UHF DAMA	4		

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES	TRP
	ADNS	1	1	
	BLACK TVS	1		
	RED TVS	1		
	MUTE	1		
	QMCS	1		

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	CDLMS	1		
	CDLS	1	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	GCCS-M	1		
	MOS/JTIDS	1		
	NTCSS	1		
	OTCIXS	1		
	TADIXS A	1		
	TADIXS B	1		

E.	SECURE VOICE SYSTEMS	SHIP	SSES	TRP
	HF SC (N/B)	2	1	6
	VHF SC (W/B)	5		11
	UHF SC (W/B)	16	2	2
	UHF SAT (N/B)	2		
	SHF SAT (N/B)	1		

F.	COMPUTER SYSTEMS [4]	SHIP	SSES	TRP
	LAN CLASSIFIED	294		
	LAN UNCLASSIFIED	527		
	LAN SCI	13		
	CENTRIXS-M (BLOCK I) [5]	10		

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES	TRP
	HF 2-20 MHZ M/P	4		
	VHF 30-88 MHZ M/P	10		
	VHF 30-88 MHZ H/H	8		
	VHF 138-150 MHZ H/H	20		
	VHF 156-162 MHZ H/H	6		
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	3		
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3		
	UHF 225-400 MHZ M/P	3		
	UHF 225-400 MHZ SAT M/P	1		
	UHF 380-400 MHZ HYDRA H/H	180		24
	UHF 380-400 MHZ HYDRA FIXED	28		1

H.	VISUAL	SHIP	SSES	TRP
	INFRA RED RECEIVER	4		
	12" SIGNAL SEARCH LIGHT	4		

H.	VISUAL	SHIP	SSES	TRP
	MULTI-PURPOSE LIGHT H/H	10		
	FLAG BAG	2		

NOTES:

1. 2 LOCATED IN METEOROLOGY SPACES
2. INCLUDES 3 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS
5. BASED ON 2006 AUTHORIZED DROP LEVELS

LPD (NON FLAG)

A.	RADIO FREQUENCY SYSTEMS	SHIP	TRP
	MF/HF 2-30 MHZ XMIT LPI 500W	3	2
	MF/HF 2-30 MHZ XMIT LPI 100W	2	3
	MF/HF .14-30 MHZ RCVR	9	6
	VHF 30-88 MHZ XCVR F3	4	8
	VHF 115-116 MHZ XCVR A3	2 [1]	
	VHF 156-162 MHZ XCVR F3	1	
	UHF 225-400 MHZ XCVR A3/F3	6	1
	UHF 225-400 MHZ XCVR SAT	2	
	UHF 225-400 MHZ RCVR SAT BCST	1	
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	6	
	UHF 1350-1850 MHZ XCVR DWTS LOS	1	
	UHF 1626-1646 MHZ XCVR INMARSAT	1	

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	TRP
	NAVMACS/DMS PROXY	1	
	FLTSAT MC BCST	4	
	HFDS	2	
	BFEM66	1	
	UHF DAMA	1	

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	TRP
	ADNS	1	
	BLACK TVS	1	
	RED TVS	1	
	MUTE	1	
	QMCS	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	TRP
	GCCS-M	1	
	NTCSS	1	

E.	SECURE VOICE SYSTEMS	SHIP	TRP
	HF SC (N/B)	4	5
	VHF SC (W/B)	4	8

E. SECURE VOICE SYSTEMS	SHIP	TRP
UHF SC (W/B)	5	1
UHF SAT (N/B)	1	

F. COMPUTER SYSTEMS [2]	SHIP	TRP
LAN CLASSIFIED	148	
LAN UNCLASSIFIED	258	
CENTRIXS-M (BLOCK 0) [3]	3	

G. PORTABLE EMERGENCY EQUIPMENT	SHIP	TRP
HF 2-20 MHZ M/P	1	
VHF 30-88 MHZ M/P	10	
VHF 30-88 MHZ H/H	4	
VHF 138-150 MHZ H/H	20	
VHF 156-162 MHZ H/H	4	
VHF/UHF 121.5/243.0 MHZ EMERG L/B	3	
VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3	
UHF 225-400 MHZ M/P	2	
UHF 225-400 MHZ SAT M/P	1	
UHF 380-400 MHZ HYDRA H/H	48	12
UHF 380-400 MHZ HYDRA FIXED	6	1

H. VISUAL	SHIP	TRP
INFRA RED RECEIVER	4	
12" SIGNAL SEARCH LIGHT	4	
MULTI-PURPOSE LIGHT H/H	10	
FLAG BAG	2	

NOTES:

1. INCLUDES 3 SINCGARS CAPABLE RADIOS
2. BASED ON 2003 AUTHORIZED DROP LEVELS
3. BASED ON 2006 AUTHORIZED DROP LEVELS

LPD (FLAG)

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES	TRP
	MF/HF 2-30 MHZ XMIT LPI 500W	5	1	2
	MF/HF 2-30 MHZ XMIT LPI 100W	6	1	3
	MF/HF .14-30 MHZ RCVR	16 [1]	2	6
	VHF 30-88 MHZ XCVR F3	4 [2]		8
	VHF 115-116 MHZ XCVR A3	2		
	VHF 156-162 MHZ XCVR F3	1		
	UHF 225-400 MHZ XCVR A3/F3	12 [3]	2	1
	UHF 225-400 MHZ XCVR SAT	5		
	UHF 225-400 MHZ RCVR SAT BCST	1		
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	6		
	UHF 1350-1850 MHZ XCVR DWTS LOS	1		
	UHF 1626-1646 MHZ XCVR INMARSAT	1		
	EHF 20.2-45.5 GHZ XCVR SAT	1		

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES	TRP
	NAVMACS/DMS PROXY	1		
	FLTSAT MC BCST	7	2	
	HFDS	5		
	BFEM66	1		
	UHF DAMA	2		

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES	TRP
	ADNS	1		
	BLACK TVS	1		
	RED TVS	1		
	MUTE	1		
	QMCS	1		

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	GCCS-M	1		
	NTCSS	1		

E.	SECURE VOICE SYSTEMS	SHIP	SSES	TRP
	HF SC (N/B)	10	1	5
	VHF SC (W/B)	4		8
	UHF SC (W/B)	12	2	1
	UHF SAT (N/B)	2		
	EHF SAT (N/B)	2		

F.	COMPUTER SYSTEMS [4]	SHIP	SSES	TRP
	LAN CLASSIFIED	157		
	LAN UNCLASSIFIED	274		
	LAN SCI	3		
	CENTRIXS-M (BLOCK 0) [5]	3		

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES	TRP
	HF 2-20 MHZ M/P	2		
	VHF 30-88 MHZ M/P	10		
	VHF 30-88 MHZ H/H	4		
	VHF 138-150 MHZ H/H	20		
	VHF 156-162 MHZ H/H	4		
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	3		
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3		
	UHF 225-400 MHZ M/P	2		
	UHF 225-400 MHZ SAT M/P	1		
	UHF 380-400 MHZ HYDRA H/H	48		12
	UHF 380-400 MHZ HYDRA FIXED	6		1

H.	VISUAL	SHIP	SSES	TRP
	INFRA RED RECEIVER	4		
	12" SIGNAL SEARCH LIGHT	4		
	MULTI-PURPOSE LIGHT H/H	10		
	FLAG BAG	2		

NOTES:

1. 2 LOCATED IN METEOROLOGY SPACES
2. INCLUDES 3 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS
5. BASED ON 2006 AUTHORIZED DROP LEVELS

LPD-17

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES	TRP
	MF/HF 2-30 MHZ XMIT LPI 500W	8	1	3
	MF/HF 2-30 MHZ XMIT LPI 100W	6	1	3
	MF/HF .14-30 MHZ RCVR	20 [1]	2	7
	VHF 30-88 MHZ XCVR F3	5 [2]		11
	VHF 115-116 MHZ XCVR A3	2		
	VHF 156-162 MHZ XCVR F3	12		
	UHF 225-400 MHZ XCVR A3/F3	16 [3]	2	2
	UHF 225-400 MHZ XCVR NTDS	2		
	UHF 225-400 MHZ XCVR SAT	12		
	UHF 225-400 MHZ RCVR SAT BCST	1		
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	10		
	UHF 1350-1850 MHZ XCVR DWTS LOS	1		
	UHF 1626-1646 MHZ XCVR INMARSAT	1		
	SHF 7-8 GHZ XCVR SAT	1		
	SHF 7-8 GHZ XCVR COMMERCIAL SAT	1		
	EHF 20.2-45.5 GHZ XCVR SAT	2		

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES	TRP
	NAVMACS/DMS PROXY	1		
	FLTSAT MC BCST	13	2	
	HFDS	5		
	BFEM66	1		
	UHF DAMA	4		

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES	TRP
	ADNS	1	1	
	BLACK TVS	1		
	RED TVS	1		
	MUTE	1		
	QMCS	1		

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	CDLMS	1		
	CDLS	1	1	
	GCCS-M	1		

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES	TRP
	MOS/JTIDS	1		
	NTCSS	1		
	OTCIXS	1		
	TADIXS A	1		
	TADIXS B	1		

E.	SECURE VOICE SYSTEMS	SHIP	SSES	TRP
	HF SC (N/B)	12	1	6
	VHF SC (W/B)	5		11
	UHF SC (W/B)	16	2	2
	UHF SAT (N/B)	2		
	SHF SAT (N/B)	1		

F.	COMPUTER SYSTEMS [4]	SHIP	SSES	TRP
	LAN CLASSIFIED	148		
	LAN UNCLASSIFIED	258		
	LAN SCI	1		
	CENTRIXS-M (BLOCK 0) [5]	3		

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES	TRP
	HF 2-20 MHZ M/P	4		
	VHF 30-88 MHZ M/P	10		
	VHF 30-88 MHZ H/H	8		
	VHF 138-150 MHZ H/H	20		
	VHF 156-162 MHZ H/H	6		
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	3		
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3		
	UHF 225-400 MHZ M/P	3		
	UHF 225-400 MHZ SAT M/P	1		
	UHF 380-400 MHZ HYDRA H/H	129		24
	UHF 380-400 MHZ HYDRA FIXED	6		1

H.	VISUAL	SHIP	SSES	TRP
	INFRA RED RECEIVER	4		
	12" SIGNAL SEARCH LIGHT	4		

H.	VISUAL	SHIP	SSES	TRP
	MULTI-PURPOSE LIGHT H/H	10		
	FLAG BAG	2		

NOTES:

1. 2 LOCATED IN METEOROLOGY SPACES
2. INCLUDES 3 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS
5. BASED ON 2006 AUTHORIZED DROP LEVELS

LSD

A.	RADIO FREQUENCY SYSTEMS	SHIP	TRP
	MF/HF 2-30 MHZ XMIT LPI 500W	3	2
	MF/HF 2-30 MHZ XMIT LPI 100W	1	3
	MF/HF .14-30 MHZ RCVR	8 [1]	6
	VHF 30-88 MHZ XCVR F3	4 [2]	6
	VHF 115-116 MHZ XCVR A3	2	
	VHF 156-162 MHZ XCVR F3	1	
	UHF 225-400 MHZ XCVR A3/F3	2 [3]	
	UHF 225-400 MHZ RCVR SAT BCST	1	
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	6	
	UHF 1350-1850 MHZ XCVR DWTS LOS	1	
	UHF 1626-1646 MHZ XCVR INMARSAT	1	
	EHF 20.2-45.5 GHZ XCVR SAT	1	

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	TRP
	NAVMACS/DMS PROXY	1	
	FLTSAT MC BCST	7	
	HFDS	5	
	BFEM66	1	
	UHF DAMA	1	

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	TRP
	ADNS	1	
	BLACK TVS	1	
	RED TVS	1	
	MUTE	1	
	QMCS	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	TRP
	GCCS-M	1	
	NTCSS	1	

E.	SECURE VOICE SYSTEMS	SHIP	TRP
	HF SC (N/B)	3	5

E.	SECURE VOICE SYSTEMS	SHIP	TRP
	VHF SC (W/B)	4	6
	UHF SC (W/B)	5	1
	UHF SAT (N/B)	1	
	EHF SAT (N/B)	1	

F.	COMPUTER SYSTEMS [4]	SHIP	TRP
	LAN CLASSIFIED	44	
	LAN UNCLASSIFIED	112	

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP	TRP
	HF 2-20 MHZ M/P	1	
	VHF 30-88 MHZ M/P	6	
	VHF 30-88 MHZ H/H	4	
	VHF 138-150 MHZ H/H	15	
	VHF 156-162 MHZ H/H	4	
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	3	
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	3	
	UHF 225-400 MHZ M/P	2	
	UHF 225-400 MHZ SAT M/P	1	
	UHF 380-400 MHZ HYDRA H/H	65	12
	UHF 380-400 MHZ HYDRA FIXED	6	1

H.	VISUAL	SHIP	TRP
	INFRA RED RECEIVER	4	
	12" SIGNAL SEARCH LIGHT	4	
	MULTI-PURPOSE LIGHT H/H	10	
	FLAG BAG	2	

NOTES:

1. 2 LOCATED IN METEOROLOGY SPACES
2. INCLUDES 3 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS

MCM

A.	RADIO FREQUENCY SYSTEMS	SHIP
	MF/HF 2-30 MHZ XMIT LPI 500W	2
	MF/HF 2-30 MHZ XMIT LPI 100W	N/A
	MF/HF .14-30 MHZ RCVR	5
	VHF 30-88 MHZ XCVR F3	1
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR A3/F3	4
	UHF 225-400 MHZ RCVR SAT BCST	1
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	2
	UHF 1626-1646 MHZ XCVR INMARSAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	NAVMACS/DMS PROXY	1
	FLTSAT MC BCST	4
	HFDS	1
	BFEM66	1
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	GCCS-M	N/A

E.	SECURE VOICE SYSTEMS	SHIP
	HF SC (N/B)	1
	VHF SC (W/B)	1
	UHF SC (W/B)	4
	UHF SAT (N/B)	1

F.	COMPUTER SYSTEMS [1]	SHIP
	LAN CLASSIFIED	15
	LAN UNCLASSIFIED	39
	CENTRIXS-M (BLOCK 0) [2]	1

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP
	HF 2-20 MHZ M/P	1
	VHF 30-88 MHZ M/P	2
	VHF 138-150 MHZ H/H	6
	VHF 156-162 MHZ H/H	2
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2
	UHF 225-400 MHZ M/P	1
	UHF 225-400 MHZ SAT M/P	1
	UHF 380-400 MHZ HYDRA H/H	10
	UHF 380-400 MHZ HYDRA FIXED	2

H.	VISUAL	SHIP
	INFRA RED RECEIVER	2
	12" SIGNAL SEARCH LIGHT	2
	MULTI-PURPOSE LIGHT H/H	2
	FLAG BAG	1

NOTES:

1. BASED ON 2003 AUTHORIZED DROP LEVELS
2. BASED ON 2006 AUTHORIZED DROP LEVELS

MHC

A.	RADIO FREQUENCY SYSTEMS	SHIP
	MF/HF 2-30 MHZ XMIT LPI 500W	2
	MF/HF 2-30 MHZ XMIT LPI 100W	N/A
	MF/HF .14-30 MHZ RCVR	5
	VHF 30-88 MHZ XCVR F3	1
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR A3/F3	4
	UHF 225-400 MHZ XCVR SAT	2
	UHF 225-400 MHZ RCVR SAT BCST	1
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	2
	UHF 1626-1646 MHZ XCVR INMARSAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	NAVMACS/DMS PROXY	1
	FLTSAT MC BCST	4
	HFDS	1
	BFEM66	1
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	GCCS-M	N/A

E.	SECURE VOICE SYSTEMS	SHIP
	HF SC (N/B)	1
	VHF SC (W/B)	1
	UHF SC (W/B)	4
	UHF SAT (N/B)	1

F.	COMPUTER SYSTEMS [1]	SHIP
	LAN CLASSIFIED	12
	LAN UNCLASSIFIED	36

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP
	HF 2-20 MHZ M/P	1
	VHF 30-88 MHZ M/P	2
	VHF 138-150 MHZ H/H	6
	VHF 156-162 MHZ H/H	2
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2
	UHF 225-400 MHZ M/P	1
	UHF 225-400 MHZ SAT M/P	1
	UHF 380-400 MHZ HYDRA H/H	10
	UHF 380-400 MHZ HYDRA FIXED	2

H.	VISUAL	SHIP
	INFRA RED RECEIVER	2
	12" SIGNAL SEARCH LIGHT	2
	MULTI-PURPOSE LIGHT H/H	2
	FLAG BAG	1

NOTE:
1. BASED ON 2003 AUTHORIZED DROP LEVELS

PC

A.	RADIO FREQUENCY SYSTEMS	SHIP
	MF/HF 2-20 MHZ XCVR LPI 400W	2
	VHF 30-88 MHZ XCVR F3	1
	VHF 115-116 MHZ XCVR A3	2
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR A3/F3	1
	UHF 225-400 MHZ XCVR SAT	2
	UHF 1626-1646 MHZ XCVR INMARSAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	HFDS	1
	BFEM66	1
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	CDLMS	1

E.	SECURE VOICE SYSTEMS	SHIP
	HF SC (N/B)	1
	VHF SC (W/B)	1
	UHF SC (W/B)	1
	UHF SAT (N/B)	1

F.	COMPUTER SYSTEMS[1]	SHIP
	LAN CLASSIFIED	2
	LAN UNCLASSIFIED	3

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP
	HF 2-20 MHZ M/P	1
	VHF 30-88 MHZ M/P	2
	VHF 138-150 MHZ H/H	3
	VHF 156-162 MHZ H/H	1
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2
	UHF 225-400 MHZ M/P	1
	UHF 225-400 MHZ SAT M/P	1

H.	VISUAL	SHIP
	INFRA RED RECEIVER	2
	12" SIGNAL SEARCH LIGHT	2
	MULTI-PURPOSE LIGHT H/H	2
	FLAG BAG	1

NOTE:

1. BASED ON 2003 AUTHORIZED DROP LEVELS

SSBN

A.	RADIO FREQUENCY SYSTEMS	SHIP
	ELF 30-100 HZ RCVR .004 HF1B (MSK)	1
	VLF/LF 14-60 KHZ RCVR A1/F1/F9 (MSK)	6
	VLF/LF 14-175 KHZ RCVR A1/F1/F9 (MSK)	2
	VLF/MF 14-550 KHZ RCVR A1/A2/F1	2
	VLF/HF 10 KHZ-30 MHZ RCVR	2 [1]
	MF/HF 2-30 MHZ XMIT LPI 500W	2
	MF/HF .14-30 MHZ RCVR	2
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR SAT	2 [2]
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	4
	EHF 20.2-45.5 GHZ XCVR SAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	SSIXS	1
	MC BCST MSK	2 [3]
	HFDS	1
	BFEM66	1
	UHF MINI DAMA	1
	CIRCUIT MAYFLOWER	1
	SECT BUOY	1
	UHF SATCOM BUOY SYSTEM	1
	SLOT BUOY SYSTEM	1
	OFF-LINE SEMI-AUTOMATIC INSTALLED	1
	TOWED COMMUNICATIONS BUOY	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	CDLMS	1
	CDLS	

E.	SECURE VOICE SYSTEMS	SHIP
	HF SC (N/B)	1
	UHF SC (W/B)	1
	UHF SAT (N/B)	1
	EHF SAT (N/B)	1

F.	COMPUTER SYSTEMS [4]	SHIP
	LAN CLASSIFIED	104
	LAN UNCLASSIFIED	66

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP
	VHF 156-162 MHZ H/H	3
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2
	UHF 225-400 MHZ M/P	2
	UHF 225-400 MHZ SAT M/P	1
	UHF 380-400 MHZ HYDRA H/H	36
	UHF 380-400 MHZ HYDRA FIXED	4

H.	VISUAL	SHIP
	INFRA RED RECEIVER	1
	12" SIGNAL SEARCH LIGHT	1
	MULTI-PURPOSE LIGHT H/H	1

NOTES:

1. SCANNING CAPABLE RECEIVER
2. SATELLITE/LOS SWITCHABLE TRANSCEIVER
3. TWO 4 CHANNEL VERDIN RECEIVERS (AN/WRR-7 OR EQUIVALENT)
4. BASED ON 2003 AUTHORIZED DROP LEVELS

SSGN

A.	RADIO FREQUENCY SYSTEMS	SHIP
	ELF 30-100 HZ RCVR .004 HF1B (MSK)	1
	VLF/LF 14-60 KHZ RCVR A1/F1/F9 (MSK)	6
	VLF/LF 14-175 KHZ RCVR A1/F1/F9 (MSK)	2
	VLF/MF 14-550 KHZ RCVR A1/A2/F1	2
	LF/HF 10 KHZ-30 MHZ RCVR	2 [1]
	MF/HF 2-30 MHZ XMIT LPI 500W	2
	MF/HF .14-30 MHZ RCVR	2
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR SAT	2 [2]
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	4
	EHF 20.2-45.5 GHZ XCVR SAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	SSIXS	1
	MC BCST MSK	1 [3]
	HFDS	1
	BFEM66	1
	UHF MINI DAMA	1
	CIRCUIT MAYFLOWER	1
	SECT BUOY	1
	UHF SATCOM BUOY SYSTEM	1
	SLOT BUOY SYSTEM	1
	OFF-LINE SEMI-AUTOMATIC INSTALLED	1
	TOWED COMMUNICATIONS BUOY	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	CDLMS	1
	CDLS	

E.	SECURE VOICE SYSTEMS	SHIP
	HF SC (N/B)	1
	UHF SC (W/B)	1
	UHF SAT (N/B)	1
	EHF SAT (N/B)	1

F.	COMPUTER SYSTEMS [4]	SHIP
	LAN CLASSIFIED	102
	LAN UNCLASSIFIED	65

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP
	VHF 156-162 MHZ H/H	3
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2
	UHF 225-400 MHZ M/P	2
	UHF 225-400 MHZ SAT M/P	1
	UHF 380-400 MHZ HYDRA H/H	36
	UHF 380-400 MHZ HYDRA FIXED	4

H.	VISUAL	SHIP
	INFRA RED RECEIVER	1
	12" SIGNAL SEARCH LIGHT	1
	MULTI-PURPOSE LIGHT H/H	1

NOTES:

1. SCANNING CAPABLE RECEIVER
2. SATELLITE/LOS SWITCHABLE TRANSCEIVER
3. TWO 4 CHANNEL VERDIN RECEIVERS (AN/WRR-7 OR EQUIVALENT)
4. BASED ON 2003 AUTHORIZED DROP LEVELS

SSN

A.	RADIO FREQUENCY SYSTEMS	SHIP
	ELF 30-100 HZ RCVR .004 HF1B (MSK)	1
	VLF/LF 14-60 KHZ RCVR A1/F1/F9 (MSK)	6
	VLF/LF 14-175 KHZ RCVR A1/F1/F9 (MSK)	2
	VLF/MF 14-550 KHZ RCVR A1/A2/F1	2
	VLF/HF 10 KHZ-30 MHZ RCVR	2
	MF/HF 2-30 MHZ XMIT LPI 500W	2
	MF/HF .14-30 MHZ RCVR	2
	VHF 30-88 MHZ XCVR F3	1
	VHF 156-162 MHZ XCVR F3	1
	UHF 225-400 MHZ XCVR SAT	2
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	4
	EHF 20.2-45.5 GHZ XCVR SAT	1

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP
	SSIXS	1
	HFDS	1
	BFEM66	1
	UHF MINI DAMA	1
	CIRCUIT MAYFLOWER	1
	SECT BUOY	1
	UHF SATCOM BUOY SYSTEM	1
	SLOT BUOY SYSTEM	1
	OFF-LINE SEMI-AUTOMATIC INSTALLED	1
	TOWED COMMUNICATIONS BUOY	1

C.	SWITCHING AND CONTROL SYSTEMS	SHIP
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	CDLMS	1

D.	COMMAND AND CONTROL SYSTEMS	SHIP
	STDL/NTDS	1
	OTCIXS	1
	TADIXS A	1
	TADIXS B	1

E.	SECURE VOICE SYSTEMS	SHIP
	HF SC (N/B)	1
	UHF SC (W/B)	1
	UHF SAT (N/B)	1
	EHF SAT (N/B)	1

F.	COMPUTER SYSTEMS [1]	SHIP
	LAN CLASSIFIED	102
	LAN UNCLASSIFIED	65

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP
	VHF 156-162 MHZ H/H	3
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2
	UHF 225-400 MHZ M/P	2
	UHF 225-400 MHZ SAT M/P	1
	UHF 380-400 MHZ HYDRA H/H	36
	UHF 380-400 MHZ HYDRA FIXED	2

H.	VISUAL	SHIP
	INFRA RED RECEIVER	1
	12" SIGNAL SEARCH LIGHT	1
	MULTI-PURPOSE LIGHT H/H	1

NOTE:

1. BASED ON 2003 AUTHORIZED DROP LEVELS

MILITARY SEALIFT COMMAND SHIPS

AGF

A.	RADIO FREQUENCY SYSTEMS	SHIP	SSES
	MF/HF 2-30 MHZ XMIT LPI 500W	8	2
	MF/HF 2-30 MHZ XMIT LPI 100W	8	
	MF/HF .14-30 MHZ RCVR	22 [1]	2
	VHF 30-88 MHZ XCVR F3	12 [2]	
	VHF 115-116 MHZ XCVR A3	2	
	VHF 156-162 MHZ XCVR F3	2	
	UHF 225-400 MHZ XCVR A3/F3	14 [3]	2
	UHF 225-400 MHZ XCVR SAT	12	
	UHF 225-400 MHZ RCVR SAT BCST	1	
	UHF 380-400 MHZ XCVR HYDRA REPEATERS	6	
	UHF 1350-1850 MHZ XCVR DWTS LOS	1	
	UHF 1626-1646 MHZ XCVR INMARSAT	1	
	SHF 7-8 GHZ XCVR SAT	1	
	SHF 7-8 GHZ XCVR COMMERCIAL SAT	1	
	EHF 20.2-45.5 GHZ XCVR SAT	1	

B.	RADIO COMMUNICATIONS SYSTEMS	SHIP	SSES
	NAVMACS/DMS PROXY	1	
	FLTSAT MC BCST	13	2
	GBS	1	
	HFDS	5	2
	BFEM66	1	
	UHF DAMA	4	

C.	SWITCHING AND CONTROL SYSTEMS	SHIP	SSES
	ADNS	1	1
	BLACK TVS	1	
	RED TVS	1	
	MUTE	1	
	QMCS	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES
	CDLMS	1	
	CDLS	1	1
	GCCS-M	1	

D.	COMMAND AND CONTROL SYSTEMS	SHIP	SSES
	MOS/JTIDS	1	
	NTCSS	1	
	OTCIXS	1	
	TADIXS A	1	
	TADIXS B	1	

E.	SECURE VOICE SYSTEMS	SHIP	SSES
	HF SC (N/B)	14	1
	VHF SC (W/B)	10	
	UHF SC (W/B)	13	2
	UHF SAT (N/B)	2	
	SHF SAT (N/B)	1	
	EHF SAT (N/B)	1	

F.	COMPUTER SYSTEMS [4]	SHIP	SSES
	LAN CLASSIFIED	300	
	LAN UNCLASSIFIED	166	
	LAN SCI	45	

G.	PORTABLE EMERGENCY EQUIPMENT	SHIP	SSES
	HF 2-20 MHZ M/P	2	
	VHF 138-150 MHZ H/H	10	
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	
	UHF 225-400 MHZ M/P	2	
	UHF 225-400 MHZ SAT M/P	1	
	UHF 380-400 MHZ HYDRA H/H	77	
	UHF 380-400 MHZ HYDRA FIXED	7	

H.	VISUAL	SHIP	SSES
	INFRA RED RECEIVER	6	
	12" SIGNAL SEARCH LIGHT	6	
	MULTI-PURPOSE LIGHT H/H	6	
	FLAG BAG	2	

NOTES:

1. 2 LOCATED IN METEOROLOGY SPACES
2. INCLUDES 3 SINCGARS CAPABLE RADIOS
3. INCLUDES 2 HAVEQUICK CAPABLE RADIOS
4. BASED ON 2003 AUTHORIZED DROP LEVELS

T-AE/T-AFS

A.	RADIO FREQUENCY SYSTEMS	T-AE	T-AFS
	MF/HF 2-30 MHZ XMIT LPI 500W	2	2
	MF/HF 2-30 MHZ XMIT LPI 100W	2	2
	MF/HF .14-30 MHZ RCVR	6	6
	VHF 115-156 MHZ XCVR A3	2	2
	VHF 156-162 MHZ XCVR F3	1	1
	UHF 225-400 MHZ XCVR A3/F3	5	5
	UHF 225-400 MHZ XCVR SAT	2	2
	UHF 225-400 MHZ RCVR SAT BCST	1	1
	UHF 1626-1646 MHZ XCVR INMARSAT	2 [1]	2 [1]

B.	RADIO COMMUNICATIONS SYSTEMS	T-AE	T-AFS
	NAVMACS	1	1
	FLTSAT MC BCST	4	4
	HFDS	2	2
	BFEM66	1	1
	UHF DAMA	1	1

C.	SWITCHING AND CONTROL SYSTEMS	T-AE	T-AFS
	ADNS	1	1
	BLACK TVS	1	1
	RED TVS	1	1
	MUTE	1	1
	QMCS	1	1

D.	COMMAND AND CONTROL SYSTEMS	T-AE	T-AFS
	OTCIXS	1	1

E.	SECURE VOICE SYSTEMS	T-AE	T-AFS
	HF SC (N/B)	2	2
	UHF SC (W/B)	4	4
	UHF SAT (N/B)	1	1

F.	COMPUTER SYSTEMS [2]	T-AE	T-AFS
	LAN CLASSIFIED		
	LAN UNCLASSIFIED		
G.	PORTABLE EMERGENCY EQUIPMENT	T-AE	T-AFS
	HF 2-30 MHZ M/P	1	1
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	2
	UHF 225-400 MHZ SAT M/P	1	1
	UHF 457-468 MHZ H/H PVPCS	9	9
H.	VISUAL	T-AE	T-AFS
	INFRA RED RECEIVER	1	1
	12" SIGNAL SEARCH LIGHT	2	2
	MULTI-PURPOSE LIGHT H/H	1	1
	FLAG BAG	2	2
I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	T-AE	T-AFS
	INMARSAT A	1	1
	INMARSAT C	1	1
	NAVTEX 518	1	1
	VHF 156.525 MHZ DSC	1	1
	SHF 9.2-9.5 GHZ SARTS L/B	1	1
	2182 KHZ AUTO ALARM RCVR	1	1
	2187.5 KHZ DSC WATCH RCVR	1	1

NOTES:

1. GMDSS REQUIREMENT
2. LAN DROPS NOT SPECIFIED

T-AG/T-AGM

A.	RADIO FREQUENCY SYSTEMS	T-AG	T-AGM
	MF/HF 2-30 MHZ XMIT LPI 500W	2	3
	MF/HF .14-30 MHZ RCVR	3	6
	VHF 115-156 MHZ XCVR A3	2	
	VHF 156-162 MHZ XCVR F3	2	2
	UHF 225-400 MHZ XCVR A3/F3	1	
	UHF 225-400 MHZ XCVR SAT	1	1
	UHF 225-400 MHZ RCVR SAT BCST	1	1
	UHF 1626-1646 MHZ XCVR INMARSAT	2 [1]	2 [1]

B.	RADIO COMMUNICATIONS SYSTEMS	T-AG	T-AGM
	NAVMACS	1	1
	FLTSAT MC BCST	4	4
	HFDS	2	2
	BFEM66	1	1
	UHF DAMA	1	1
	SITOR TERMINAL		1

C.	SWITCHING AND CONTROL SYSTEMS	T-AG	T-AGM
	ADNS	1	1
	BLACK TVS	1	1
	RED TVS	1	1
	MUTE	1	1
	QMCS	1	1

D.	COMMAND AND CONTROL SYSTEMS	T-AG	T-AGM
		N/A	N/A

E.	SECURE VOICE SYSTEMS	T-AG	T-AGM
	HF SC (N/B)	2	1
	UHF SC (W/B)	1	
	UHF SAT (N/B)	1	1

F.	COMPUTER SYSTEMS [2]	T-AG	T-AGM
	LAN CLASSIFIED		
	LAN UNCLASSIFIED		

G.	PORTABLE EMERGENCY EQUIPMENT	T-AG	T-AGM
	HF 2-30 MHZ M/P	1	1
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	2
	UHF 225-400 MHZ SAT M/P	1	1
	UHF 457-468 MHZ H/H PVPCS	9	9

H.	VISUAL	T-AG	T-AGM
	INFRA RED RECEIVER	1	1
	12" SIGNAL SEARCH LIGHT	2	2
	MULTI-PURPOSE LIGHT H/H	1	1
	FLAG BAG	2	2

I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	T-AG	T-AGM
	INMARSAT A	1	1
	INMARSAT C	1	1
	NAVTEX 518	1	1
	VHF 156.525 DSC	1	1
	SHF 9.2-9.5 GHZ SARTS L/B	1	1
	2182 KHZ AUTO ALARM RCVR	1	1
	2187.5 KHZ DSC WATCH RCVR	1	1

NOTES:

1. GMDSS REQUIREMENT
2. LAN DROPS NOT SPECIFIED

T-AGOS/T-AGS

A.	RADIO FREQUENCY SYSTEMS	T-AGOS	T-AGS
	MF/HF 2-30 MHZ XMIT LPI 500W	2	3
	MF/HF .14-30 MHZ RCVR	4	5
	VHF 115-156 MHZ XCVR A3		1
	VHF 156-162 MHZ XCVR F3	2	2
	UHF 225-400 MHZ XCVR A3/F3	2	3
	UHF 225-400 MHZ XCVR SAT	2	2
	UHF 225-400 MHZ RCVR SAT BCST	1	1
	UHF 1626-1646 MHZ XCVR INMARSAT	2 [1]	2 [1]

B.	RADIO COMMUNICATIONS SYSTEMS	T-AGOS	T-AGS
	NAVMACS	1	1
	FLTSAT MC BCST	4	4
	HFDS	2	2
	BFEM66	1	1
	UHF DAMA	1	1
	SITOR TERMINAL	1	1

C.	SWITCHING AND CONTROL SYSTEMS	T-AGOS	T-AGS
	ADNS	1	1
	BLACK TVS	1	1
	RED TVS	1	1
	MUTE	1	1
	QMCS	1	1

D.	COMMAND AND CONTROL SYSTEMS	T-AGOS	T-AGS
		N/A	N/A

E.	SECURE VOICE SYSTEMS	T-AGOS	T-AGS
	HF SC (N/B)	2	2
	UHF SC (W/B)	1	3
	UHF SAT (N/B)	1	2

F.	COMPUTER SYSTEMS [2]	T-AGOS	T-AGS
	LAN CLASSIFIED		
	LAN UNCLASSIFIED		
G.	PORTABLE EMERGENCY EQUIPMENT	T-AGOS	T-AGS
	HF 2-30 MHZ M/P	1	1
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	2
	UHF 225-400 MHZ SAT M/P	1	1
	UHF 457-468 MHZ H/H PVPCS	9	9
H.	VISUAL	T-AGOS	T-AGS
	INFRA RED RECEIVER		1
	12" SIGNAL SEARCH LIGHT		2
	MULTI-PURPOSE LIGHT H/H		1
	FLAG BAG		2
I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	T-AGOS	T-AGS
	INMARSAT A	1	1
	INMARSAT C	1	1
	NAVTEX 518	1	1
	VHF 156.525 DSC	1	1
	SHF 9.2-9.5 GHZ SARTS L/B	1	1
	2182 KHZ AUTO ALARM RCVR	1	1
	2187.5 KHZ DSC WATCH RCVR	1	1

NOTES:

1. GMDSS REQUIREMENT
2. LAN DROPS NOT SPECIFIED

T-AH

A. RADIO FREQUENCY SYSTEMS	T-AH
MF/HF 2-30 MHZ XMIT LPI 500W	2
MF/HF 2-30 MHZ XMIT LPI 100W	2
MF/HF .14-30 MHZ RCVR	6
VHF 30-88 MHZ XCVR F3	2
VHF 115-156 MHZ XCVR A3	2
VHF 156-162 MHZ XCVR F3	2
UHF 225-400 MHZ XCVR A3/F3	2
UHF 225-400 MHZ XCVR SAT	2
UHF 225-400 MHZ RCVR SAT BCST	1
UHF 1350-1850 MHZ XCVR DWTS LOS	1
UHF 1626-1646 MHZ XCVR INMARSAT	1

B. RADIO COMMUNICATIONS SYSTEMS	T-AH
NAVMACS	1
FLTSAT MC BCST	4
HFDS	2
BFEM66	1
UHF DAMA	1
SITOR TERMINAL	1

C. SWITCHING AND CONTROL SYSTEMS	T-AH
ADNS	1
BLACK TVS	1
RED TVS	1
MUTE	1
QMCS	1

D. COMMAND AND CONTROL SYSTEMS	T-AH
	N/A

E. SECURE VOICE SYSTEMS	T-AH
HF SC (N/B)	2
VHF SC (W/B)	2

E. SECURE VOICE SYSTEMS	T-AH
UHF SC (W/B)	1
UHF SAT (N/B)	1

F. COMPUTER SYSTEMS [2]	T-AH
LAN CLASSIFIED	
LAN UNCLASSIFIED	

G. PORTABLE EMERGENCY EQUIPMENT	T-AH
HF 2-30 MHZ M/P	1
VHF 156-162 MHZH/H	6
VHF/UHF 121.5/243.0 MHZ EMERG L/B	2
VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2
UHF 225-400 MHZ SAT M/P	1
UHF 457-468 MHZ H/H PVPCS	9

H. VISUAL	T-AH
INFRA RED RECEIVER	1
12" SIGNAL SEARCH LIGHT	2
MULTI-PURPOSE LIGHT H/H	1
FLAG BAG	2

I. GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	T-AH
INMARSAT A	1
INMARSAT C	1
NAVTEX 518	1
VHF 156.525 DSC	1
SHF 9.2-9.5 GHZ SARTS L/B	1
2182 KHZ AUTO ALARM RCVR	1
2187.5 KHZ DSC WATCH RCVR	1

NOTES:

1. LAN DROPS NOT SPECIFIED

T-AK

A.	RADIO FREQUENCY SYSTEMS	MPS	FBM
	MF/HF 2-30 MHZ XMIT LPI	6	3
	MF/HF .14-30 MHZ RCVR	9	4
	VHF 115-156 MHZ XCVR A3	2	
	VHF 156-162 MHZ XCVR F3	2	2
	UHF 225-400 MHZ XCVR A3/F3	2	2
	UHF 225-400 MHZ XCVR SAT	2	
	UHF 225-400 MHZ RCVR SAT BCST	1	
	UHF 1626-1646 MHZ XCVR INMARSAT	2	

B.	RADIO COMMUNICATIONS SYSTEMS	MPS	FBM
	NAVMACS	1	
	FLTSAT MC BCST	4	
	HFDS	2	
	BFEM66	1	
	UHF DAMA	1	
	SITOR TERMINAL	1	1

C.	SWITCHING AND CONTROL SYSTEMS	MPS	FBM
	ADNS	1	
	BLACK TVS	1	
	RED TVS	1	
	MUTE	1	
	QMCS	1	

D.	COMMAND AND CONTROL SYSTEMS	MPS	FBM
	OTCIXS	1	

E.	SECURE VOICE SYSTEMS	MPS	FBM
	HF SC (N/B)	2	2
	UHF SC (W/B)	4	1
	UHF SAT (N/B)	1	

F.	COMPUTER SYSTEMS [2]	MPS	FBM
	LAN CLASSIFIED		
	LAN UNCLASSIFIED		

G.	PORTABLE EMERGENCY EQUIPMENT	MPS	FBM
	HF 2-30 MHZ M/P	1	1
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	2
	UHF 225-400 MHZ SAT M/P	1	1
	UHF 457-468 MHZ H/H PVPCS	9	9

H.	VISUAL	MPS	FBM
	INFRA RED RECEIVER	1	1
	12" SIGNAL SEARCH LIGHT	2	2
	MULTI-PURPOSE LIGHT H/H	1	1
	FLAG BAG	2	2

I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	MPS	FBM
	INMARSAT A	1	1
	INMARSAT C	1	1
	NAVTEX 518	1	1
	VHF 156.525 MHZ DSC	1	1
	SHF 9.2-9.5 GHZ SARTS L/B	1	1
	2182 KHZ AUTO ALARM RCVR	1	1
	2187.5 KHZ DSC WATCH RCVR	1	1

NOTES:

1. LAN DROPS NOT SPECIFIED

T-AO/T-AOE

A.	RADIO FREQUENCY SYSTEMS	T-AO	T-AOE
	MF/HF 2-30 MHZ XMIT LPI 500W	2	2
	MF/HF 2-30 MHZ XMIT LPI 100W	2	2
	MF/HF .14-30 MHZ RCVR	6	6
	VHF 115-156 MHZ XCVR A3	2	2
	VHF 156-162 MHZ XCVR F3	1	1
	UHF 225-400 MHZ XCVR A3/F3	5	5
	UHF 225-400 MHZ XCVR SAT	2	2
	UHF 225-400 MHZ RCVR SAT BCST	1	1
	UHF 1626-1646 MHZ XCVR INMARSAT	2 [1]	2 [1]

B.	RADIO COMMUNICATIONS SYSTEMS	T-AO	T-AOE
	NAVMACS	1	1
	FLTSAT MC BCST	4	4
	HFDS	2	2
	BFEM66	1	1
	UHF DAMA	1	1

C.	SWITCHING AND CONTROL SYSTEMS	T-AO	T-AOE
	ADNS	1	1
	BLACK TVS	1	1
	RED TVS	1	1
	MUTE	1	1
	QMCS	1	1

D.	COMMAND AND CONTROL SYSTEMS	T-AO	T-AOE
	OTCIXS	1	1

E.	SECURE VOICE SYSTEMS	T-AO	T-AOE
	HF SC (N/B)	2	2
	UHF SC (W/B)	4	4
	UHF SAT (N/B)	1	1

F.	COMPUTER SYSTEMS [2]	T-AO	T-AOE
	LAN CLASSIFIED		
	LAN UNCLASSIFIED		

G.	PORTABLE EMERGENCY EQUIPMENT	T-AO	T-AOE
	HF 2-30 MHZ M/P	1	1
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	2
	UHF 225-400 MHZ SAT M/P	1	1
	UHF 457-468 MHZ H/H PVPCS	9	9

H.	VISUAL	T-AO	T-AOE
	INFRA RED RECEIVER	1	1
	12" SIGNAL SEARCH LIGHT	2	2
	MULTI-PURPOSE LIGHT H/H	1	1
	FLAG BAG	2	2

I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	T-AO	T-AOE
	INMARSAT A	1	1
	INMARSAT C	1	1
	NAVTEX 518	1	1
	VHF 156.525 DSC	1	1
	SHF 9.2-9.5 gHz SARTS L/B	1	1
	2182 kHz AUTO ALARM RCVR	1	1
	2187.5 kHz DSC WATCH RCVR	1	1

NOTES:

1. GMDSS REQUIREMENT
2. LAN DROPS NOT SPECIFIED

T-ARC/T-ATF

A.	RADIO FREQUENCY SYSTEMS	T-ARC	T-ATF
	MF/HF 2-30 MHZ XMIT LPI 500W	2	2
	MF/HF .14-30 MHZ RCVR	4	4
	VHF 115-156 MHZ XCVR A3	2	1
	VHF 156-162 MHZ XCVR F3	2	2
	UHF 225-400 MHZ XCVR A3/F3	5	2
	UHF 225-400 MHZ XCVR SAT	2	2
	UHF 225-400 MHZ RCVR SAT BCST	1	1
	UHF 1626-1646 MHZ XCVR INMARSAT	2 [1]	2 [1]

B.	RADIO COMMUNICATIONS SYSTEMS	T-ARC	T-ATF
	NAVMACS	1	1
	FLTSAT MC BCST	4	4
	HFDS	2	2
	BFEM66	1	1
	UHF DAMA	1	1

C.	SWITCHING AND CONTROL SYSTEMS	T-ARC	T-ATF
	ADNS	1	1
	BLACK TVS	1	1
	RED TVS	1	1
	MUTE	1	1
	QMCS	1	1

D.	COMMAND AND CONTROL SYSTEMS	T-ARC	T-ATF
		N/A	N/A

E.	SECURE VOICE SYSTEMS	T-ARC	T-ATF
	HF SC (N/B)	1	1
	UHF SC (W/B)	4	2
	UHF SAT (N/B)	1	1

F.	COMPUTER SYSTEMS [2]	T-ARC	T-ATF
	LAN CLASSIFIED		
	LAN UNCLASSIFIED		

G.	PORTABLE EMERGENCY EQUIPMENT	T-ARC	T-ATF
	HF 2-30 MHZ M/P	1	1
	VHF/UHF 121.5/243.0 MHZ EMERG L/B	2	2
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	2	2
	UHF 225-400 MHZ SAT M/P	1	1
	UHF 457-468 MHZ H/H PVPCS	9	9

H.	VISUAL	T-ARC	T-ATF
	INFRA RED RECEIVER	1	1
	12" SIGNAL SEARCH LIGHT	2	2
	MULTI-PURPOSE LIGHT H/H	1	1
	FLAG BAG	2	2

I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	T-AO	T-AOE
	INMARSAT A	1	1
	INMARSAT C	1	1
	NAVTEX 518	1	1
	VHF 156.525 DSC	1	1
	SHF 9.2-9.5 GHZ SARTS L/B	1	1
	2182 KHZ AUTO ALARM RCVR	1	1
	2187.5 KHZ DSC WATCH RCVR	1	1

NOTES:

1. GMDSS REQUIREMENT
2. LAN DROPS NOT SPECIFIED

U.S. COAST GUARD CUTTERS

WAGB

A.	RADIO FREQUENCY SYSTEMS	290	399	420
	MF/HF 2-30 MHZ XMIT LPI	2	6	6
	MF/HF .14-30 MHZ RCVR	2	10	10
	VHF 115-156 MHZ XCVR A3	1	2	2
	VHF 156-162 MHZ XCVR F3	6	3	3
	UHF 225-400 MHZ XCVR A3/F3		2(N)	2(N)
	UHF 225-400 MHZ XCVR SAT		1(N)	1(N)
	UHF 225-400 MHZ RCVR SAT BCST		1(N)	1(N)

B.	RADIO COMMUNICATIONS SYSTEMS	290	399	420
	NAVMACS		1(N)	1(N)
	FLTSAT MC BCST		4(N)	4(N)
	USCG BCST SC		1	1
	HFDS		3	3
	UHF DAMA		1(N)	1(N)

C.	SWITCHING AND CONTROL SYSTEMS [1]	290	399	420

D.	COMMAND AND CONTROL SYSTEMS [1]	290	399	420

E.	SECURE VOICE SYSTEMS	290	399	420
	HF SC (N/B)	2	2	2
	UHF SC (W/B)		2	2
	UHF SAT (N/B)		1	1

F.	COMPUTER SYSTEMS [2]	290	399	420
	LAN CLASSIFIED			
	LAN UNCLASSIFIED			

G.	PORTABLE EMERGENCY EQUIPMENT	290	399	420
	HF 2-30 M/P		2	2
	VHF 156-162 H/H	3	6	6
	VHF/UHF 121.5/406 SAT EPIRB L/B	2	2	2

H.	VISUAL	290	399	420
	INFRA RED RECEIVER	2	2	2
	12" SIGNAL SEARCH LIGHT	2	2	2
	MULTI-PURPOSE LIGHT H/H	2	2	2
	FLAG BAG	1	2	2

I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	290	399	420
	NAVTEX 518	1	1	1
	VHF 156.525 DSC	1	1	1
	SHF 9.2-9.5 GHZ SARTS L/B		1	1
	2182 KHZ AUTO ALARM RCVR		1	1
	2187.5 KHZ DSC WATCH RCVR		1	1

NOTES:

1. NOT SPECIFIED
2. LAN DROPS NOT SPECIFIED

WHEC/WIX

A.	RADIO FREQUENCY SYSTEMS	WHEC 378	WIX 295
	MF/HF 2-30 MHZ XMIT LPI	7	2
	MF/HF .14-30 MHZ RCVR	8	2
	VHF 115-156 MHZ XCVR A3	2	
	VHF 156-162 MHZ XCVR F3	2	2
	UHF 225-400 MHZ XCVR A3/F3	6	1
	UHF 225-400 MHZ XCVR NTDS	2(N)	
	UHF 225-400 MHZ XCVR SAT	1(N)	
	UHF 225-400 MHZ RCVR SAT BCST	1(N)	

B.	RADIO COMMUNICATIONS SYSTEMS	WHEC 378	WIX 295
	NAVMACS	1(N)	
	FLTSAT MC BCST	4(N)	
	USCG BCST SC	1	
	HFDS	3	
	UHF DAMA	1(N)	

C.	SWITCHING AND CONTROL SYSTEMS [1]	WHEC 378	WIX 295

D.	COMMAND AND CONTROL SYSTEMS	WHEC 378	WIX 295
	LINK 11	1(N)	

E.	SECURE VOICE SYSTEMS	WHEC 378	WIX 295
	HF SC (N/B)	2	
	UHF SC (W/B)	3	
	UHF SAT (N/B)	1(N)	

F.	COMPUTER SYSTEMS [2]	WHEC 378	WIX 295
	LAN CLASSIFIED		
	LAN UNCLASSIFIED		

G. PORTABLE EMERGENCY EQUIPMENT	WHEC 378	WIX 295
VHF 156-162 H/H	5	4
VHF/UHF 121.5/406 SAT EPIRB L/B	2	2

H. VISUAL	WHEC 378	WIX 295
INFRA RED TRANSMITTER	1	
INFRA RED RECEIVER	2	
12" SIGNAL SEARCH LIGHT	3	
MULTI-PURPOSE LIGHT H/H	3	2
FLAG BAG	2	1

I. GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	WHEC 378	WIX 295
NAVTEX 518	1	
VHF 156.525 MHZ DSC	1	1
SHF 9.2-9.5 GHZ SARTS L/B	1	
2182 KHZ AUTO ALARM RCVR	1	
2187.5 KHZ DSC WATCH RCVR	1	

NOTES:

1. NOT SPECIFIED
2. LAN DROPS NOT SPECIFIED

WLB

A.	RADIO FREQUENCY SYSTEMS	CGD 14/17	OTHER CGD
	MF/HF 2-30 MHZ XMIT LPI	3	2
	MF/HF .14-30 MHZ RCVR	4	3
	VHF 156-162 MHZ XCVR F3	2	2
	UHF 225-400 MHZ XCVR A3/F3	1	1

B.	RADIO COMMUNICATIONS SYSTEMS	CGD 14/17	OTHER CGD
	USCG BCST SC	1	1
	HFDS	2	2

C.	SWITCHING AND CONTROL SYSTEMS [1]	CGD 14/17	OTHER CGD

D.	COMMAND AND CONTROL SYSTEMS	CGD 14/17	OTHER CGD
	NONE		

E.	SECURE VOICE SYSTEMS	CGD 14/17	OTHER CGD
	HF SC (N/B)	1	1
	UHF SC (W/B)	1	1

F.	COMPUTER SYSTEMS	CGD 14/17	OTHER CGD
	NONE		

G.	PORTABLE EMERGENCY EQUIPMENT	CGD 14/17	OTHER CGD
	VHF 156-162 MHZ H/H	4	4
	VHF/UHF 121.5/406 MHZ SAT EPIRB L/B	1	1

H.	VISUAL	CGD 14/17	OTHER CGD
	INFRA RED RECEIVER	2	2
	MULTI-PURPOSE LIGHT H/H	1	1
	FLAG BAG	1	1

I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	CGD 14/17	OTHER CGD
	NAVTEX 518	1	1
	VHF 156.525 DSC	1	1
	SHF 9.2-9.5 GHZ SARTS L/B	1	1
	2182 kHz AUTO ALARM RCVR	1	1
	2187.5 kHz DSC WATCH RCVR	1	1

NOTE:

1. NOT SPECIFIED

WLI/WLIC

A.	RADIO FREQUENCY SYSTEMS	WLI	WLIC
	MF/HF 2-30 XMIT LPI	1	1
	MF/HF .14-30 RCVR	1	1
	VHF 156-162 XCVR F3	3	2
B.	RADIO COMMUNICATIONS SYSTEMS	WLI	WLIC
	NONE		
C.	SWITCHING AND CONTROL SYSTEMS	WLI	WLIC
	NONE		
D.	COMMAND AND CONTROL SYSTEMS	WLI	WLIC
	NONE		
E.	SECURE VOICE SYSTEMS	WLI	WLIC
	NONE		
F.	COMPUTER SYSTEMS	WLI	WLIC
	NONE		
G.	PORTABLE EMERGENCY EQUIPMENT	WLI	WLIC
	VHF 156-162 H/H	3	2
	VHF/UHF 121.5/406 SAT EPIRB L/B	1	1
H.	VISUAL	WLI	WLIC
	MULTI-PURPOSE LIGHT H/H	1	1
I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	WLI	WLIC
	VHF 156.525 DSC	1	1

WLM/WLR

A.	RADIO FREQUENCY SYSTEMS	WLM	WLR
	MF/HF 2-30 XCVR LPI	1	
	VHF 156-162 XCVR F3	2	1
	UHF 225-400 XCVR A3/F3	1	

B.	RADIO COMMUNICATIONS SYSTEMS	WLM	WLR
	NONE		

C.	SWITCHING AND CONTROL SYSTEMS	WLM	WLR
	NONE		

D.	COMMAND AND CONTROL SYSTEMS	WLM	WLR
	NONE		

E.	SECURE VOICE SYSTEMS	WLM	WLR
	HF SC (N/B)	1	
	UHF SC (W/B)	1	

F.	COMPUTER SYSTEMS	WLM	WLR
	NONE		

G.	PORTABLE EMERGENCY EQUIPMENT	WLM	WLR
	VHF 156-162 H/H	3	3
	VHF/UHF 121.5/406 SAT EPIRB L/B	2	1

H.	VISUAL	WLM	WLR
	MULTI-PURPOSE LIGHT H/H	2	2
	FLAG BAG	1	1

I. GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	WLM	WLR
VHF 156.525 DSC	1	1

WMEC

A.	RADIO FREQUENCY SYSTEMS	WMEC-270	OTHER WMEC
	MF/HF 2-30 XMIT LPI	6	4
	MF/HF .14-30 RCVR	8	7
	VHF 115-156 XCVR A3	2	
	VHF 156-162 XCVR F3	3	2
	UHF 225-400 XCVR A3/F3	6	2
	UHF 225-400 XCVR SAT	1(N)	
	UHF 225-400 RCVR SAT BCST	1(N)	

B.	RADIO COMMUNICATIONS SYSTEMS	WMEC-270	OTHER WMEC
	NAVMACS	1(N)	
	FLTSAT MC BCST	4(N)	
	USCG BCST SC	1	1
	HFDS	4	3
	UHF DAMA	1(N)	

C.	SWITCHING AND CONTROL SYSTEMS [1]	WMEC-270	OTHER WMEC

D.	COMMAND AND CONTROL SYSTEMS	WMEC-270	OTHER WMEC
	LINK 11 R/O	1 (N)	

E.	SECURE VOICE SYSTEMS	WMEC-270	OTHER WMEC
	HF SC (N/B)	2	2
	UHF SC (W/B)	3	2
	UHF SAT (N/B)	1	

F.	COMPUTER SYSTEMS [2]	WMEC-270	OTHER WMEC
	LAN CLASSIFIED		
	LAN UNCLASSIFIED		

G.	PORTABLE EMERGENCY EQUIPMENT	WMEC-270	OTHER WMEC
	VHF 156-162 H/H	5	5
	VHF/UHF 121.5/406 SAT EPIRB L/B	2	2

H. VISUAL	WMEC-270	OTHER WMEC
INFRA RED TRANSMITTER	2	1
INFRA RED RECEIVER	2	1
12" SIGNAL SEARCH LIGHT	2	2
MULTI-PURPOSE LIGHT H/H	2	1
FLAG BAG	1	1

I. GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	WMEC-270	OTHER WMEC
NAVTEX 518	1	1
VHF 156.525 DSC	1	1
SHF 9.2-9.5 gHz SARTS L/B	1	1
2182 kHz AUTO ALARM RCVR	1	1
2187.5 kHz DSC WATCH RCVR	1	1

NOTES:

1. NOT SPECIFIED
2. LAN DROPS NOT SPECIFIED

WPB

A.	RADIO FREQUENCY SYSTEMS	82	110
	MF/HF 2-30 XCVR LPI	1	2
	VHF 156-162 XCVR F3	2	2
	UHF 225-400 XCVR A3/F3	1	1

B.	RADIO COMMUNICATIONS SYSTEMS	82	110
	NONE		

C.	SWITCHING AND CONTROL SYSTEMS	82	110
	NONE		

D.	COMMAND AND CONTROL SYSTEMS	82	110
	NONE		

E.	SECURE VOICE SYSTEMS	82	110
	HF SC (N/B)	1	1
	UHF SC (W/B)		1

F.	COMPUTER SYSTEMS	82	110
	NONE		

G.	PORTABLE EMERGENCY EQUIPMENT	82	110
	VHF 156-162 H/H	3	3
	VHF/UHF 121.5/406 SAT EPIRB L/B	1	1
	UHF 225-400 M/P		
	UHF 225-400 SAT M/P		

H.	VISUAL	82	110
	MULTI-PURPOSE LIGHT H/H	1	1

I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	290	399
	VHF 156.525 DSC	1	1

WTGB/WYTL

A.	RADIO FREQUENCY SYSTEMS	WTGB	WYTL
	MF/HF 2-30 XMIT LPI	2	1
	MF/HF .14-30 RCVR	2	2
	VHF 115-156 XCVR A3	2	
	VHF 156-162 XCVR F3	2	2
	UHF 225-400 XCVR A3/F3	1	

B.	RADIO COMMUNICATIONS SYSTEMS	WTGB	WYTL
	NONE		

C.	SWITCHING AND CONTROL SYSTEMS	WTGB	WYTL
	NONE		

D.	COMMAND AND CONTROL SYSTEMS	WTGB	WYTL
	NONE		

E.	SECURE VOICE SYSTEMS	WTGB	WYTL
	HF SC (N/B)	1	
	UHF SC (W/B)	1	

F.	COMPUTER SYSTEMS	WTGB	WYTL
	NONE		

G.	PORTABLE EMERGENCY EQUIPMENT	WTGB	WYTL
	VHF 156-162 H/H	3	2
	VHF/UHF 121.5/406 SAT EPIRB L/B	2	2

H.	VISUAL	WTGB	WYTL
	MULTI-PURPOSE LIGHT H/H	1	1

I.	GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)	WTGB	WYTL
	VHF 156.525 DSC	1	1

DESIGNATED CRAFT

AUXILIARY SWIMMING DELIVERY VEHICLE (ASDVT)
CRAFT OF OPPORTUNITY HARBOR MINE DEFENSE COOP MINERON (CT)

A.	RADIO FREQUENCY SYSTEMS	ASDVT	CT
	MF/HF 2-30 MHZ XCVR LPI 100W	1	1
	MF/VHF 2-88 MHZ XCVR A3/F3	2	
	VHF 156-162 MHZ XCVR F3	1	1
	UHF 225-400 MHZ XCVR A3/F3	1	1

B.	SECURE VOICE SYSTEMS	ASDVT	CT
	HF SC (N/B)		1
	UHF SC (W/B)		1

C.	PORTABLE EQUIPMENT	ASDVT	CT
	HF 2-30 M/P		1
	VHF 30-88 M/P	1	
	VHF 156-162 H/H	1	1

D.	VISUAL	ASDVT	CT
	12" SIGNAL SEARCH LIGHT		1
	MULTI-PURPOSE LIGHT H/H	1	

LANDING CRAFT AIR CUSHION (LCAC), MECHANIZED (LCM), UTILITY (LCU)

A.	RADIO FREQUENCY SYSTEMS	LCAC	LCM	LCU
	MF/VHF 2-88 MHZ XCVR A3/F3	1	1	1
	VHF 30-88 MHZ XCVR F3	1	1	1
	UHF 225-400 MHZ XCVR A3/F3	1	1	1
B.	SECURE VOICE SYSTEMS	LCAC	LCM	LCU
	HF SC (N/B)	1	1	1
	VHF SC (W/B)	1	1	1
	UHF SC (W/B)	1	1	1
C.	PORTABLE EQUIPMENT	LCAC	LCM	LCU
	VHF 138-150 MHZ H/H	1		1
	VHF 156-162 MHZ H/H	1	1	1
D.	VISUAL	LCAC	LCM	LCU
	12" SIGNAL SEARCH LIGHT			1
	MULTI-PURPOSE LIGHT H/H	1	1	

MINI ARMOURED TROOP CARRIER (MINI ATC), PATROL BOAT (PB) SPECIAL WARFARE CRAFT (SWCL)

A.	RADIO FREQUENCY SYSTEMS	MINI ATC	PB	SWCL
	MF/VHF 2-88 MHZ XCVR A3/F3	1	2	1
	VHF 30-88 MHZ XCVR F3	2	2	1
	VHF 156-162 MHZ XCVR F3	1	1	
	UHF 225-400 MHZ XCVR A3/F3		1	1

B.	RADIO COMMUNICATIONS SYSTEMS	MINI ATC	PB	SWCL
	DIGITAL MESSAGE DEVICE GROUP (DMDG)		2	2

C.	SECURE VOICE SYSTEMS	MINI ATC	PB	SWCL
	HF SC (N/B)		2	1
	VHF SC (W/B)		2	1
	UHF SC (W/B)		1	1

D.	PORTABLE EQUIPMENT	MINI ATC	PB	SWCL
	VHF 30-88 MHZ M/P			1
	VHF 156-162 MHZ H/H		1	1

E.	VISUAL	MINI ATC	PB	SWCL
	MULTI-PURPOSE LIGHT H/H		1	1

TORPEDO RETRIVEVER (TR)
TORPEDO TRIALS CRAFT (YTT)

A.	RADIO FREQUENCY SYSTEMS	TR	YTT
	MF/VHF 2-88 MHZ XCVR A3/F3	1	
	VHF 30-88 MHZ XCVR F3	1	
	VHF 115-156 MHZ XCVR A3		6
	VHF 156-162 MHZ XCVR F3		1
	UHF 225-400 MHZ XCVR A3/F3	1	1

B.	SECURE VOICE SYSTEMS	TR	YTT
	HF SC (N/B)	1	
	VHF SC (W/B)	1	6
	UHF SC (W/B)	1	1

C.	PORTABLE EQUIPMENT	TR	YTT
	VHF 156-162 MHZ H/H	1	1

TRANSPORTABLE FACILITIES

FLEET HOSPITAL (FH)
MOBILE INSHORE UNDERSEA WARFARE (MIUW)

A.	RADIO FREQUENCY SYSTEMS	FH	MIUW
	MF/HF 2-30 MHZ XCVR LPI 100W	2	2
	UHF 225-400 MHZ XCVR A3/F3	4 [1]	4 [1]

B.	RADIO COMMUNICATIONS SYSTEMS	FH	MIUW
	HFDS	2	2
	UHF DAMA	1	1

C.	SECURE VOICE SYSTEMS	FH	MIUW
	HF SC (N/B)	2	2
	UHF SC (W/B)	2	2
	UHF SAT (N/B)	2	2

NOTE:

1. INCLUDES 2 HAVEQUICK CAPABLE RADIOS

JOINT MOBILE ASHORE SUPPORT TERMINAL (JMAST)

A. RADIO FREQUENCY SYSTEMS	JMAST
MF/HF 2-30 MHZ XCVR LPI 100W	2
UHF 225-400 MHZ XCVR A3/F3	4 [1]

B. RADIO COMMUNICATIONS SYSTEMS	JMAST
HFDS	2
UHF DAMA	1

C. SECURE VOICE SYSTEMS	JMAST
HF SC (N/B)	2
UHF SC (W/B)	2
UHF SAT (N/B)	2

NOTE:

1. INCLUDES 2 HAVEQUICK CAPABLE RADIOS

NAVAL SPECIAL WARFARE GROUP (NSWG)
NAVAL SPECIAL WARFARE MODULAR COMMUNICATIONS UNIT (MODCOMMU)

A.	RADIO FREQUENCY SYSTEMS	NSWG	MODCOMMU
	MF/HF 2-30 MHZ XCVR LPI 100W	2	3
	UHF 225-400 MHZ XCVR A3/F3	4 [1]	4 [1]

B.	RADIO COMMUNICATIONS SYSTEMS	NSWG	MODCOMMU
	HFDS	2	2
	UHF DAMA	1	1

C.	SECURE VOICE SYSTEMS	NSWG	MODCOMMU
	HF SC (N/B)	2	2
	UHF SC (W/B)	2	2
	UHF SAT (N/B)	2	2

NOTE:
1. INCLUDES 2 HAVEQUICK CAPABLE RADIOS

PORTABLE RADIO REQUIREMENTS

FOR

SPECIAL NAVAL UNITS

NAVAL BEACH GROUP (NBG)

A.	PORTABLE RADIOS	NBG1	NBG2
	HF VEHICLE (2-30MHZ)	25	6
	HF BASE STA (2-30MHZ) 125W	3	17
	HF BASE STA (2-30MHZ) 400W	2	8
	HF MP (2-30MHZ)	40	2
	VHF FH BASE STA (30-88MHZ) SINGLE	117	70
	VHF FH BASE STA (30-88MHZ) DUAL	36	53
	VHF FH VEHICLE (30-88MHZ)	53	64
	VHF FH MP (30-88MHZ)	88	23
	VHF SABER I W/FASCINATOR (136-162MHZ)	322	447
	VHF SABER I VAS (136-162MHZ)	17	19
	UHF SAT (225-400MHZ)	14	20
	UHF LOS VEH (225-400MHZ)	8	17
	UHF LOS MP (225-400MHZ)	9	14

B.	SPECIAL FACILITIES	NBG1	NBG2
	MULTI UNIT CHARGER (SABER I)	100	125

NAVAL COASTAL WARFARE GROUP (NCWG)

A.	PORTABLE RADIOS	NCWG1	NCWG2
	HF VEHICLE (2-30MHZ)	85	68
	VHF SABER I W/FASCINATOR (136-162MHZ)	248	325
	VHF SABER I VAS (136-162MHZ)	85	125
	VHF SABER I BASE STA (136-162MHZ)	41	56
	UHF SAT (225-400MHZ)	155	126
	VHF/UHF MP (30-512MHZ) MBITR	284	395
	VHF/UHF VEH (30-512MHZ) MBITR		104
	VHF/UHF BASE STA (30-512MHZ) MBITR	30	56
B.	SPECIAL FACILITIES		
	MULTI UNIT CHARGER (SABER I)	100	125

NAVAL CONSTRUCTION FORCE
SEABEES

		20 NMCB	2 UCT	6 NCR	2 CBMU	2 NCFSU
A.	PORTABLE RADIOS					
	HF VEHICLE (2-30MHZ)	4		2	1	
	HF BASE STA (2-30MHZ)	10	1	6	1	6
	HF MANPACK (2-30MHZ)	5	3		4	
	VHF FH BASE STA (30-88MHZ)	9	1	4	10	6
	VHF FH VEHICLE (30-88MHZ)	15	4	4	10	3
	VHF FH MANPACK (30-88MHZ)	50	16	2	4	
	VHF SABER I W/FASCINATOR 136-162MHZ)	65	20	12	24	12
	VHF SABER I BASE STA (136-162MHZ)	3	4			
	VHF MARINE BAND (156-162MHZ)	1	3			
	UHF SAT (225-400MHZ)	2	1	1		
B.	SPECIAL FACILITIES					
	HF NVIS ANTENNAS	5	1	6	1	6
	MULTI UNIT CHARGER (SABER I)	4	4			
	POWER SUPPLIES (BASE STA)	20	3	11	22	18

NAVAL EXPLOSIVE ORDANCE DISPOSAL (EOD)

A. PORTABLE RADIOS

	EOD
HF VEHICLE (2-30MHZ)	18
HF MANPACK (2-30MHZ)	166
VHF FH BASE STA (30-88MHZ)	11
VHF FASCINATOR (SABER I) (136-162MHZ)	322
VHF BASE STATION (136-162MHZ)	19
UHF SAT (225-400MHZ)	134
UHF LOS (225-400MHZ) H/H	37
UHF LOS (225-400MHZ) M/P	5
UHF LOS (225-400MHZ) VEH	1

B. SPECIAL FACILITIES

NONE

NAVAL SPECIAL OPERATING FORCE
SOF (SEALS)

A. PORTABLE RADIOS	SOF
UHF SAT (225-400MHZ)	244
CSEL	1656 [1]
CSAR	1620 [1]
PORTABLE LIGHTWEIGHT GPS RCVR	463
B. SPECIAL FACILITIES	
CSEL RADIO SET ADAPTER	108
CSEL PROGRAMING COMPUTER	108 [1]
CSAR PROGRAMMER	108 [1]

NOTE:
1. CSAR BEING REPLACED BY CSEL

TACTICAL AIR CONTROL GROUPS (TACGRU)

A. PORTABLE RADIOS

	TACGRU
HF BASE STA (2-30MHZ)	18
HF MANPACK (2-30MHZ)	27
VHF FH MANPACK (30-88MHZ)	27
VHF FASCINATOR (SABER I) (136-162MHZ)	38
VHF BASE STATION (136-162MHZ)	9
UHF SAT (225-400MHZ)	6
UHF LOS (225-400MHZ) M/P	36
UHF LOS (225-400MHZ) VEH	5

B. SPECIAL FACILITIES

NONE

MAJOR SHORE COMMUNICATIONS FACILITIES
includes associated
TRANSMIT/RECEIVE/SATELLITE SITES

NCTAMS LANT

A.	RADIO FREQUENCY SYSTEMS	NCTAMS
	MF/HF 2-30 MHZ XMIT LPI	16
	MF/HF .14-30 MHZ RCVR	22
	UHF 225-400 MHZ XCVR A3/F3	4
	UHF 225-400 MHZ XCVR SAT	16
	UHF 225-400 MHZ XMT SAT BCST	3
	UHF 225-400 MHZ RCVR SAT BCST	2
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTAMS
	NAVCOMPARS	1
	CUDIXS	2
	FLTSAT MC BCST UPLINK	2
	HFDS	10
	BFEM66	4
	UHF DAMA	16

C.	SWITCHING AND CONTROL SYSTEMS	NCTAMS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTAMS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTAMS
	HF SC (N/B)	16
	UHF SC (W/B)	4
	UHF SAT (N/B)	16

F.	COMPUTER SYSTEMS	NCTAMS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTAMS LANT DET JACKSONVILLE

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	12
	MF/HF .14-30 MHZ RCVR	16
	UHF 225-400 MHZ XCVR A3/F3	8
	UHF 225-400 MHZ XCVR SAT	4

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	HFDS	2
	BFEM66	1
	UHF DAMA	4

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	MUTE	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	HF SC (N/B)	12
	UHF SC (W/B)	4
	UHF SAT (N/B)	4

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTAMS LANT DET WASHINGTON DC

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	0
	MF/HF .14-30 MHZ RCVR	4
	UHF 225-400 MHZ XCVR SAT	4
	UHF 1626-1646 MHZ XCVR INMARSAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	HFDS	2
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	UHF SAT (N/B)	2

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTAMS PAC

A.	RADIO FREQUENCY SYSTEMS	NCTAMS
	MF/HF 2-30 MHZ XMIT LPI	16
	MF/HF .14-30 MHZ RCVR	22
	UHF 225-400 MHZ XCVR A3/F3	5
	UHF 225-400 MHZ XCVR SAT	16
	UHF 225-400 MHZ XMIT SAT BCST	3
	UHF 225-400 MHZ RCVR SAT BCST	2
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTAMS
	NAVCOMPARS	1
	CUDIXS	2
	FLTSAT MC BCST UPLINK	3
	HFDS	10
	BFEM66	5
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	NCTAMS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTAMS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTAMS
	HF SC (N/B)	16
	UHF SC (W/B)	4
	UHF SAT (N/B)	16

F.	COMPUTER SYSTEMS	NCTAMS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTAMS LANT DET DIEGO GARCIA

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	12
	MF/HF .14-30 MHZ RCVR	16
	UHF 225-400 MHZ XCVR A3/F3	6
	UHF 225-400 MHZ XCVR SAT	8
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	DMS	1
	HFDS	6
	BFEM66	3
	UHF DAMA	4

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	HF SC (N/B)	12
	UHF SC (W/B)	6
	UHF SAT (N/B)	8

E.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTS FAR EAST

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	12
	MF/HF .14-30 MHZ RCVR	16
	UHF 225-400 MHZ XCVR A3/F3	5
	UHF 225-400 MHZ XCVR SAT	12
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	DMS	1
	HFDS	5
	BFEM66	2
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	HF SC (N/B)	12
	UHF SC (W/B)	4
	UHF SAT (N/B)	12

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTS GUAM

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	16
	MF/HF .14-30 MHZ RCVR	22
	UHF 225-400 MHZ XCVR A3/F3	5
	UHF 225-400 MHZ XCVR SAT	12
	UHF 225-400 MHZ XMIT SAT BCST	2
	UHF 225-400 MHZ RCVR SAT BCST	2
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	NAVCOMPARS	1
	FLTSAT MC BCST UPLINK	2
	HFDS	4
	BFEM66	2
	UHF DAMA	4

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	HF SC (N/B)	16
	UHF SC (W/B)	5
	UHF SAT (N/B)	12

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1

F.	COMPUTER SYSTEMS	NCTS
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTS SAN DIEGO

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	12
	MF/HF .14-30 MHZ RCVR	16
	UHF 225-400 MHZ XCVR A3/F3	5
	UHF 225-400 MHZ XCVR SAT	8
	UHF 225-400 MHZ XMIT SAT BCST	1
	UHF 225-400 MHZ RCVR SAT BCST	1
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	DMS	1
	FLTSAT MC BCST UPLINK	1
	HFDS	4
	BFEM66	2
	UHF DAMA	2

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	HF SC (N/B)	12
	UHF SC (W/B)	4
	UHF SAT (N/B)	8

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1

F.	COMPUTER SYSTEMS	NCTS
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTS EURCENT

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	0
	MF/HF .14-30 MHZ RCVR	4
	UHF 225-400 MHZ XCVR A3/F3	2
	UHF 225-400 MHZ XCVR SAT	16
	UHF 225-400 MHZ XMIT SAT BCST	3
	UHF 225-400 MHZ RCVR SAT BCST	2
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	NAVCOMPARS	1
	FLTSAT MC BCST UPLINK	3
	UHF DAMA	1

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	UHF SC (W/B)	4
	UHF SAT (N/B)	16

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTS BAHRAIN

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	14
	MF/HF .14-30 MHZ RCVR	18
	UHF 225-400 MHZ XCVR A3/F3	4
	UHF 225-400 MHZ XCVR SAT	8
	UHF 225-400 MHZ XMIT SAT BCST	1
	UHF 225-400 MHZ RCVR SAT BCST	1
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	DMS	1
	FLTSAT MC BCST UPLINK	1
	HFDS	6
	BFEM66	3
	UHF DAMA	4

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	HF SC (N/B)	14
	UHF SC (W/B)	4
	UHF SAT (N/B)	8

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1

F. COMPUTER SYSTEMS	NCTS
LAN UNCLASSIFIED	1
LAN SCI	1

NCTAMS LANT DET ROTA

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	12
	MF/HF .14-30 MHZ RCVR	16
	UHF 225-400 MHZ XCVR A3/F3	4
	UHF 225-400 MHZ XCVR SAT	8
	UHF 1626-1646 MHZ XCVR INMARSAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	DMS	1
	HFDS	4
	BFEM66	2
	UHF DAMA	2

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	HF SC (N/B)	12
	UHF SC (W/B)	4
	UHF SAT (N/B)	8

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1

NCTS SIGONELLA

A.	RADIO FREQUENCY SYSTEMS	NCTS
	MF/HF 2-30 MHZ XMIT LPI	16
	MF/HF .14-30 MHZ RCVR	22
	UHF 225-400 MHZ XCVR A3/F3	6
	UHF 225-400 MHZ XCVR SAT	8
	UHF 1626-1646 MHZ XCVR INMARSAT	2
	SHF 7-8 GHZ XCVR SAT	1
	EHF 20.2-45.5 GHZ XCVR SAT	2

B.	RADIO COMMUNICATIONS SYSTEMS	NCTS
	DMS	1
	HFDS	8
	BFEM66	4
	UHF DAMA	4

C.	SWITCHING AND CONTROL SYSTEMS	NCTS
	ADNS	1
	BLACK TVS	1
	RED TVS	1
	QMCS	1

D.	COMMAND AND CONTROL SYSTEMS	NCTS
	OTCIXS	1

E.	SECURE VOICE SYSTEMS	NCTS
	HF SC (N/B)	16
	UHF SC (W/B)	6
	UHF SAT (N/B)	8

F.	COMPUTER SYSTEMS	NCTS
	LAN CLASSIFIED	1
	LAN UNCLASSIFIED	1
	LAN SCI	1