# U.S. NAVY SHIPS

Enclosure (2)

**SHIP CLASS**

**AD**

| | | SHIP |
|---|---|---|
| A. | TRANSMITTERS | |
| | MF/HF 2-30 LPI | 6 |
| B. | RECEIVERS | |
| | LF/HF .1-30 | 11 |
| | UHF 225-400 BCST | 1 |
| C. | TRANSCEIVERS | |
| | VHF 30-88 F3 | 2 |
| | VHF 115-156 A3 | 2 |
| | VHF 156-162 F3 | 1 |
| | UHF 225-400 A3/F3 | 4 |
| | UHF 225-400 SAT | 2 |
| | UHF 1626-1646 INMARSAT | 1 |
| D. | SPECIAL FACILITIES | |
| | HFRG | 1 \1 |
| | UHF DAMA | 1 |
| | INMARSAT | 1 |
| | SACCS | 1 |

| | | SHIP |
|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | |
| | NAVMACS | 1 |
| | HFDS | 1 |
| | HSFB | 1 |
| | SC SIMPLEX TMR | 1 |
| | SC DUPLEX FSK | 2 |
| | SC R/O FSK UNCLAS | 1 |
| | TTY TAPE MPD | 1 |
| # | VVFD (S) | (1) |
| F. | TACTICAL DATA LINKS | |
| | LK11 NTDS | 1 \2 |
| G. | SECVOX SYSTEMS | |
| | HF SC (N/B) | 4 |
| | UHF SC (W/B) | 4 |
| | UHF SAT (N/B) | 1 |
| H. | PATCHING/TESTING | |
| | RED SAS | M |
| | QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AD**

| I. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 11 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 1 |

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

NOTES: (\1 thru \2)

\1 LF/MF/HF requirements comprise HFRG

\2 Receive only

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AE**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 4 |
| **B. RECEIVERS** | |
| LF/HF .1-30 | 8 |
| UHF 225-400 BCST | 1 |
| **C. TRANSCEIVERS** | |
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 5 |
| UHF 225-400 SAT | 2 |
| UHF 1626-1646 INMARSAT | 1 |
| **D. SPECIAL FACILITIES** | |
| HFRG | 1 \1 |
| UHF DAMA | 1 |
| INMARSAT | 1 |
| SACCS | 1 |
| FDCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| SC SIMPLEX TMR | 1 |
| SC DUPLEX FSK | 1 |
| SC R/O FSK UNCLAS | 1 |
| MPD | 1 |
| # VVFD (S) | (1) |
| # MCIXS | (1) |
| **F. TACTICAL DATA LINKS** | |
| LK11 NTDS | 1 \2 |
| **G. SECVOX SYSTEMS** | |
| HF SC (N/B) | 2 |
| UHF SC (W/B) | 4 |
| UHF SAT (N/B) | 1 |
| **H. PATCHING/TESTING** | |
| RED SAS | M |
| QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AE**

| I. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 11 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 1 |

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

NOTES: (\1 thru \2)

\1 LF/MF/HF requirements comprise HFRG

\2 Receive only

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AFS**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 4 |

| B. RECEIVERS | |
|---|---|
| LF/HF .1-30 | 8 |
| UHF 225-400 BCST | 1 |

| C. TRANSCEIVERS | |
|---|---|
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 7 |
| UHF 225-400 SAT | 2 |
| UHF 1626-1646 INMARSAT | 1 |

| D. SPECIAL FACILITIES | |
|---|---|
| HFRG | 1 \1 |
| UHF DAMA | 1 |
| INMARSAT | 1 |
| SACCS | 1 |
| FDCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| SC SIMPLEX TMR | 1 |
| SC DUPLEX FSK | 2 |
| SC R/O FSK UNCLAS | 1 |
| TTY TAPE MPD | 1 |
| MPD | 1 |
| # VVFD (S) | (1) |
| # MCIXS | (1) |

| F. TACTICAL DATA LINKS | |
|---|---|
| LK11 NTDS | 1 \2 |

| G. SECVOX SYSTEMS | |
|---|---|
| HF SC (N/B) | 2 |
| UHF SC (W/B) | 6 |
| UHF SAT (N/B) | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AFS**

| H. PATCHING/TESTING | SHIP |
|---|---|
| RED SAS | M |
| QMCS | 1 |

| I. PORTABLE EQUIPMENT | |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 4 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 2 |

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

NOTES: (\1 thru \2)

\1 LF/MF/HF requirements comprise HFRG

\2 Receive only

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AGF**

| | | SHIP | SSES |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 LPI | 17 | 2 |
| B. | RECEIVERS | | |
| | LF/HF .1-30 | 29 \1 | 2 |
| | UHF 225-400 BCST | 1 | |
| C. | TRANSCEIVERS | | |
| | VHF 30-88 F3 | 11 \2 | |
| | VHF 115-156 A3 | 2 | |
| | VHF 156-162 F3 | 2 | |
| | UHF 225-400 A3/F3 | 13 \3 | 2 |
| | UHF 225-400 SAT | 10 | |
| # | UHF 1350-1850 DWTS LOS | (1) | |
| | UHF 1626-1646 INMARSAT | 1 | |
| | SHF 7-8 gHz SAT | 1 | |
| | EHF 20.2-45.5 gHz SAT | 1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | 1 \4 | |
| | HAVEQUICK | 2 \3 | |
| | SINCGARS | 3 \2 | |
| | UHF DAMA | 4 | |
| | FM VINSON (W/B 25 kHz) | 2 | |
| | INMARSAT | 1 | |
| | SACCS | 1 | |

| | | SHIP | SSES |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | NAVMACS | 1 | |
| | TACINTEL | | 1 |
| | OTCIXS | 1 | |
| | TADIXS A | 1 | |
| | TADIXS B | 1 | |
| | HFDS | 1 | |
| | HSFB | 1 | |
| | SC SIMPLEX TMR | 1 | |
| | SC SIMPLEX FSK | 1 | 3 |
| | SC DUPLEX FSK | 2 | |
| | SC R/O FSK UNCLAS | 1 | |
| | SC WEATHER FSK BCST | 1 \5 | |
| | TTY TAPE MPD | 1 | 1 |
| # | VVFD (P) | (1) | |
| # | MCIXS BASE STATION | (1) \6 | |
| F. | TACTICAL DATA LINKS | | |
| | LK11 NTDS | 1 \7 | |
| | LK14 NTDS SC FSK | 1 \7 | |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AGF**

| G. SECVOX SYSTEMS | SHIP | SSES |
|---|---|---|
| HF SC (N/B) | 15 | 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 | |

| H. PATCHING/TESTING | |
|---|---|
| BACS | 1 |
| RED SAS | 1 |
| R/B DIGITAL SWITCH | 1 |
| QMCS | 1 |
| CHIRPSOUNDER | 1 |
| RADIO RELAY | 1 \8 |

| I. PORTABLE EQUIPMENT | |
|---|---|
| HF 2-30 EMERG M/P | 2 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 10 |
| VHF 156-162 H/H | 6 |
| VHF/UHF 121.5/243.0 EMERG L/B | 2 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 2 |
| UHF 225-400 M/P | 2 |
| UHF 225-400 SAT M/P | 1 |

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

NOTES: (\1 thru \8)

\1 4 located in MET spaces

\2 Includes 3 SINCGARS capable radios

\3 Includes 2 HAVEQUICK capable radios

\4 LF/MF/HF requirements comprise HFRG

\5 Located in MET spaces

\6 6 Channel

\7 Receive only

\8 Located in TRP spaces

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AO**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 4 |
| **B. RECEIVERS** | |
| LF/HF .1-30 | 8 |
| UHF 225-400 BCST | 1 |
| **C. TRANSCEIVERS** | |
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 5 |
| UHF 225-400 SAT | 2 |
| UHF 1626-1646 INMARSAT | 1 |
| SHF 7-8 gHz SAT | 1 |
| **D. SPECIAL FACILITIES** | |
| HFRG | 1 \1 |
| UHF DAMA | 1 |
| INMARSAT | 1 |
| SACCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| SC SIMPLEX TMR | 1 |
| SC DUPLEX FSK | 2 |
| SC R/O FSK UNCLAS | 1 |
| TTY TAPE MPD | 1 |
| # VVFD (S) | (1) |
| # MCIXS | (1) |
| **F. TACTICAL DATA LINKS** | |
| LK11 NTDS | 1 \3 |
| **G. SECVOX SYSTEMS** | |
| HF SC (N/B) | 2 |
| UHF SC (W/B) | 4 |
| UHF SAT (N/B) | 1 |
| **H. PATCHING/TESTING** | |
| RED SAS | M |
| QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AO**

| I. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 4 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 2 |

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

NOTES: (\1 thru \2)

\1 LF/MF/HF requirements comprise HFRG

\2 Receive only

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AOE-1**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 4 |
| **B. RECEIVERS** | |
| LF/HF .1-30 | 8 |
| UHF 225-400 BCST | 1 |
| **C. TRANSCEIVERS** | |
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 7 |
| UHF 225-400 SAT | 2 |
| UHF 1626-1646 INMARSAT | 1 |
| SHF 7-8 gHz SAT | 1 |
| **D. SPECIAL FACILITIES** | |
| HFRG | 1 \1 |
| UHF DAMA | 1 |
| FM VINSON (W/B 25 kHz) | |
| INMARSAT | 1 |
| SACCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| SC SIMPLEX TMR | 1 |
| SC DUPLEX FSK | 1 |
| SC R/O FSK UNCLAS | 1 |
| # VVFD (S) | (1) |
| # MCIXS | (1) |
| **F. TACTICAL DATA LINKS** | |
| LK11 NTDS | 1 \2 |
| **G. SECVOX SYSTEMS** | |
| HF SC (N/B) | 2 |
| UHF SC (W/B) | 6 |
| UHF SAT (N/B) | 1 |
| **H. PATCHING/TESTING** | |
| RED SAS | M |
| QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AOE-1**

| I. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 5 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 2 |

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

NOTES: (\1 thru \2)

\1 LF/MF/HF requirements comprise HFRG

\2 Receive only

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AOE-6**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 4 |
| **B. RECEIVERS** | |
| LF/HF .1-30 | 8 |
| UHF 225-400 BCST | 1 |
| **C. TRANSCEIVERS** | |
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 7 |
| UHF 225-400 SAT | 2 |
| UHF 1626-1646 INMARSAT | 1 |
| SHF 7-8 gHz SAT | 1 |
| **D. SPECIAL FACILITIES** | |
| HFRG | 1 \1 |
| UHF DAMA | 1 |
| INMARSAT | 1 |
| SACCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| SC SIMPLEX TMR | 1 |
| SC DUPLEX FSK | 2 |
| SC R/O FSK UNCLAS | 1 |
| TTY TAPE MPD | 1 |
| # VVFD (S) | (1) |
| # MCIXS | (1) |
| **F. TACTICAL DATA LINKS** | |
| LK11 NTDS | 1 \2 |
| **G. SECVOX SYSTEMS** | |
| HF SC (N/B) | 2 |
| UHF SC (W/B) | 5 |
| UHF SAT (N/B) | 1 |
| **H. PATCHING/TESTING** | |
| RED SAS | M |
| QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AOE-6**

| I. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 5 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 2 |

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

NOTES: (\1 thru \2)

\1 LF/MF/HF requirements comprise HFRG

\2 Receive only

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AOR**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 6 |
| **B. RECEIVERS** | |
| LF/HF .1-30 | 10 |
| UHF 225-400 BCST | 1 |
| **C. TRANSCEIVERS** | |
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 6 |
| UHF 225-400 SAT | 2 |
| UHF 1626-1646 INMARSAT | 1 |
| **D. SPECIAL FACILITIES** | |
| HFRG | 1 \1 |
| UHF DAMA | 1 |
| INMARSAT | 1 |
| SACCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| SC SIMPLEX TMR | 1 |
| SC DUPLEX FSK | 1 |
| SC R/O FSK UNCLAS | 1 |
| TTY TAPE MPD | 1 |
| **F. SECVOX SYSTEMS** | |
| HF SC (N/B) | 4 |
| UHF SC (W/B) | 5 |
| UHF SAT (N/B) | 1 |
| **G. PATCHING/TESTING** | |
| RED SAS | M |
| QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AOR**

| H. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 10 |
| VHF 156-162 H/H | 6 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 2 |

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

NOTES: (\1)

\1 LF/MF/HF requirements comprise HFRG

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**ARS**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 3 |
| **B. RECEIVERS** | |
| LF/HF .1-30 | 6 |
| UHF 225-400 BCST | 1 |
| **C. TRANSCEIVERS** | |
| VHF 30-88 F3 | 1 |
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 2 |
| UHF 225-400 SAT | 2 |
| UHF 1626-1646 INMARSAT | 1 |
| **D. SPECIAL FACILITIES** | |
| HFRG | 1 \1 |
| UHF DAMA | 1 |
| INMARSAT | 1 |
| SACCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| SC DUPLEX FSK | 1 |
| SC R/O FSK UNCLAS | 1 |
| TTY TAPE MPD | 1 |
| **F. SECVOX SYSTEMS** | |
| HF SC (N/B) | 2 |
| UHF SC (W/B) | 2 |
| UHF SAT (N/B) | 1 |
| VHF SC (W/B) | 1 |
| **G. PATCHING/TESTING** | |
| RED SAS | M |
| QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**ARS**

| H. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 10 |
| VHF 156-162 H/H | 2 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 1 |

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

NOTES: (\1)

\1 LF/MF/HF requirements comprise HFRG

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AS**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 4 |
| **B. RECEIVERS** | |
| VLF/LF 14-60 kHz A1/F1/F9 MSK | 2 \1 |
| VLF/LF 14-175 kHz A1/F1/F9 MSK | 1 \1 |
| LF/HF .1-30 | 12 |
| UHF 225-400 BCST | 1 |
| **C. TRANSCEIVERS** | |
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 5 |
| UHF 225-400 SAT | 4 |
| UHF 1626-1646 INMARSAT | 1 |
| **D. SPECIAL FACILITIES** | |
| HFRG | 1 \2 |
| UHF DAMA | 2 |
| INMARSAT | 1 |
| SACCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| SSIXS | 1 |
| OTCIXS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| MC BCST MSK | 2 \1 |
| SC SIMPLEX FSK | 1 |
| SC DUPLEX FSK | 1 |
| SC R/O FSK UNCLAS | 1 |
| TTY TAPE MPD | 1 |
| # VVFD (S) | (1) |
| AUTODIN | |
| **F. SECVOX SYSTEMS** | |
| HF SC (N/B) | 3 |
| UHF SC (W/B) | 4 |
| UHF SAT (N/B) | 1 |
| **G. PATCHING/TESTING** | |
| RED SAS | M |
| QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**AS**

| H. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 4 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 10 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 1 |
| **I. VISUAL** | |
| INFRA-RED RECEIVER | 6 |
| 12" SIGNAL/SEARCH LIGHT | 6 |
| MULTI-PURPOSE LIGHT H/H | 6 |
| FLAG BAG | 2 |

NOTES: (\1 thru \2)

\1 Two 4 channel CVLF receivers (future replacement for AN/WRR-7 series)

\2 LF/MF/HF requirements comprise HFRG

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**ATS**

| A. TRANSMITTERS | SHIP |
|---|---|
| MF/HF 2-30 LPI | 2 |
| **B. RECEIVERS** | |
| LF/HF .1-30 | 6 |
| UHF 225-400 BCST | 1 |
| **C. TRANSCEIVERS** | |
| VHF 30-88 F3 | 1 |
| VHF 115-156 A3 | 2 |
| VHF 156-162 F3 | 1 |
| UHF 225-400 A3/F3 | 2 |
| UHF 225-400 SAT | 2 |
| UHF 1626-1646 INMARSAT | 1 |
| **D. SPECIAL FACILITIES** | |
| HFRG | 1 \1 |
| UHF DAMA | 1 |
| INMARSAT | 1 |
| SACCS | 1 |

| E. INFORMATION TRANSFER SYSTEMS | SHIP |
|---|---|
| NAVMACS | 1 |
| HFDS | 1 |
| HSFB | 1 |
| SC DUPLEX FSK | 1 |
| SC R/O FSK UNCLAS | 1 |
| TTY TAPE MPD | 1 |
| **F. SECVOX SYSTEMS** | |
| HF SC (N/B) | 1 |
| VHF SC (W/B) | 1 |
| UHF SC (W/B) | 1 |
| UHF SAT (N/B) | 1 |
| **G. PATCHING/TESTING** | |
| RED SAS | M |
| QMCS | 1 |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**ATS**

| H. PORTABLE EQUIPMENT | SHIP |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 2 |
| VHF 138-150 H/H | 12 |
| VHF 156-162 H/H | 2 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 1 |

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

NOTES: (\1)

\1 LF/MF/HF requirements comprise HFRG

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**CG**

| A. TRANSMITTERS | SHIP | SSES |
|---|---|---|
| MF/HF 2-30 LPI | 9 | 2 |
| **B. RECEIVERS** | | |
| LF/HF .1-30 | 14 | 2 |
| UHF 225-400 BCST | 1 | |
| **C. TRANSCEIVERS** | | |
| VHF 30-88 F3 | 2 \1 | |
| VHF 115-156 A3 | 3 | |
| VHF 156-162 F3 | 1 | |
| UHF 225-400 A3/F3 | 14 \2 | 2 |
| UHF 225-400 NTDS | 2 | |
| UHF 225-400 SAT | 5 | |
| UHF 1626-1646 INMARSAT | 1 | |
| SHF 7-8 gHz SAT | 1 | |
| EHF 20.2-45.5 gHz SAT | 1 | |
| **D. SPECIAL FACILITIES** | | |
| HFRG | 1 \3 | |
| HAVEQUICK | 2 \2 | |
| SINCGARS | 1 \1 | |
| UHF DAMA | 2 | |
| FM VINSON (W/B 25 kHz) | 1 | |
| INMARSAT | 1 | |
| SACCS | 1 | |

| E. INFORMATION TRANSFER SYSTEMS | SHIP | SSES |
|---|---|---|
| NAVMACS | 1 | |
| TACINTEL | | 1 |
| OTCIXS | 1 | |
| TADIXS A | 1 \4 | |
| TADIXS B | 1 | |
| HFDS | 1 | |
| HSFB | 1 | |
| SC DUPLEX TMR | 1 | |
| SC SIMPLEX FSK | 2 | |
| SC DUPLEX FSK | 2 | 2 |
| SC R/O FSK UNCLAS | 1 | |
| TTY TAPE MPD | 1 | 1 |
| # VVFD (S) | (1) | |
| # MCIXS | (1) | |
| **F. TACTICAL DATA LINKS** | | |
| LK4A NTDS | 2 | |
| LK11 NTDS | 1 | |
| LK16 NTDS (JTIDS) | 1 | |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**CG**

| G. SECVOX 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 | |

| H. PATCHING/TESTING | |
|---|---|
| BACS | 1 |
| RED SAS | 1 |
| R/B DIGITAL SWITCH | 1 |
| QMCS | 1 |
| RADIO RELAY | 1 |

| I. PORTABLE EQUIPMENT | |
|---|---|
| HF 2-30 EMERG M/P | 3 |
| VHF 30-88 M/P | 6 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 3 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 2 |

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

NOTES: (\1 thru \4)

\1 1 SINCGARS capable

\2 2 radios HAVEQUICK capable

\3 LF/MF/HF requirements comprise HFRG

\4 Not planned for CG-47 thru CG-51

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**CGN**

| A. TRANSMITTERS | SHIP | SSES |
|---|---|---|
| MF/HF 2-30 LPI | 9 | 2 |
| **B. RECEIVERS** | | |
| LF/HF .1-30 | 12 | 2 |
| UHF 225-400 BCST | 1 | |
| **C. TRANSCEIVERS** | | |
| VHF 30-88 F3 | 2 \1 | |
| VHF 115-156 A3 | 3 | |
| VHF 156-162 F3 | 1 | |
| UHF 225-400 A3/F3 | 14 \2 | 2 |
| UHF 225-400 NTDS | 2 | |
| UHF 225-400 SAT | 5 \3 | |
| UHF 1626-1646 INMARSAT | 1 | |
| EHF 20.2-45.5 gHz SAT | 1 | |
| **D. SPECIAL FACILITIES** | | |
| HFRG | 1 \4 | |
| HAVEQUICK | 2 \2 | |
| SINCGARS | 1 \1 | |
| UHF DAMA | 2 | |
| FM VINSON (W/B 25 kHz) | 1 | |
| INMARSAT | 1 | |
| SACCS | 1 | |

| E. INFORMATION TRANSFER SYSTEMS | SHIP | SSES |
|---|---|---|
| NAVMACS | 1 | |
| TACINTEL | | 1 |
| OTCIXS | 1 | |
| TADIXS A | 1 | |
| TADIXS B | 1 | |
| HFDS | 1 | 1 |
| HSFB | 1 | 1 |
| SC DUPLEX TMR | 1 | |
| SC SIMPLEX FSK | | 2 |
| SC DUPLEX FSK | 2 | 2 |
| SC R/O FSK UNCLAS | 1 | |
| TTY TAPE MPD | 1 | 1 |
| # VVFD (S) | (1) | |
| # MCIXS | (1) | |
| **F. TACTICAL DATA LINKS** | | |
| LK4A NTDS | 2 | |
| LK11 NTDS | 1 | |
| LK14 NTDS SC FSK | 1 \5 | |
| LK16 NTDS (JTIDS) | 1 | |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**CGN**

| G. SECVOX 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 | |

| H. PATCHING/TESTING | |
|---|---|
| BACS | 1 |
| RED SAS | 1 |
| R/B DIGITAL SWITCH | 1 |
| QMCS | 1 |
| CHIRPSOUNDER | 1 |
| RADIO RELAY | 1 |

| I. PORTABLE EQUIPMENT | |
|---|---|
| HF 2-30 EMERG M/P | 3 |
| VHF 30-88 M/P | 6 |
| VHF 138-150 H/H | 15 |
| VHF 156-162 H/H | 6 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 |
| UHF 225-400 M/P | 2 |

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

NOTES: (\1 thru \5)

\1 1 SINCGARS capable

\2 2 radios HAVEQUICK capable

\3 4 CGN 25 and 35 only

\4 LF/MF/HF requirements comprise HFRG

\5 Transmit only

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**CV/CVN**

| | | SHIP | SSES |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 LPI | 15 | 2 |
| B. | RECEIVERS | | |
| | LF/HF .1-30 | 26 \1 | 4 |
| | UHF 225-400 BCST | 1 | |
| C. | TRANSCEIVERS | | |
| | VHF 30-88 F3 | 2 | |
| | VHF 115-156 A3 | 2 | |
| | VHF 156-162 F3 | 1 | |
| | UHF 225-400 A3/F3 | 31 \2 | 2 |
| | UHF 225-400 NTDS | 4 | |
| | UHF 225-400 SAT | 12 | |
| # | UHF 1350-1850 DWTS LOS | (1) | |
| | UHF 1626-1646 INMARSAT | 1 | |
| | SHF 7-8 gHz SAT | 1 | |
| | EHF 20.2-45.5 gHz SAT | 2 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | 1 \3 | |
| | HAVEQUICK | 4 \2 | |
| | UHF DAMA | 4 | |
| | FM VINSON (W/B 25 kHz) | 1 | |
| | INMARSAT | 1 | |
| | SACCS | 1 | |

| | | SHIP | SSES |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | NAVMACS | 1 | |
| | TACINTEL | | 1 |
| | OTCIXS | 1 | |
| | TADIXS A | 1 | |
| | TADIXS B | 1 | |
| | HFDS | 1 | |
| | HSFB | 1 | |
| | SC SIMPLEX TMR | 1 | |
| | SC DUPLEX TMR | 1 | |
| | SC SIMPLEX FSK | | 3 |
| | SC DUPLEX FSK | 1 | |
| | SC R/O FSK UNCLAS | 1 | |
| | SC WEATHER FSK BCST | 1 \4 | |
| | TTY TAPE MPD | 2 | 1 |
| # | VVFD (S) | (1) | |
| # | MCIXS BASE STATION | (1) \5 | |
| F. | TACTICAL DATA LINKS | | |
| | LK4A NTDS | 4 | |
| | LK11 NTDS | 1 | |
| | LK14 NTDS SC FSK | 1 \6 | |
| | LK16 NTDS (JTIDS) | 1 | |

# = CONCEPTUAL REQUIREMENT

**SHIP CLASS**

**CV/CVN**

| G. SECVOX SYSTEMS | SHIP | SSES |
|---|---|---|
| HF SC (N/B) | 12 | 1 |
| UHF SC (W/B) | 27 | 2 |
| UHF SAT (N/B) | 2 | |
| SHF SAT (N/B) | 1 | |
| EHF SAT (N/B) | 2 | |
| **H. PATCHING/TESTING** | | |
| BACS | 1 | |
| RED SAS | 1 | |
| R/B DIGITAL SWITCH | 1 | |
| QMCS | 1 | |
| CHIRPSOUNDER | 1 | |
| RADIO RELAY | 1 | |
| **I. PORTABLE EQUIPMENT** | | |
| HF 2-30 EMERG M/P | 2 | |
| VHF 30-88 M/P | 8 | |
| VHF 30-88 HELMET | 34 | |
| VHF 30-88 H/H | 12 | |
| VHF 138-150 H/H | 4 | |
| VHF 156-162 H/H | 6 | |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 | |
| VHF/UHF 121.5/406 SAT EPIRB L/B | 3 | |

| I. PORTABLE EQUIPMENT CONT'D | SHIP | SSES |
|---|---|---|
| UHF 225-400 M/P | 4 | |
| UHF 225-400 SAT M/P | 3 | |
| **J. VISUAL** | | |
| INFRA-RED RECEIVER | 6 | |
| 12" SIGNAL/SEARCH LIGHT | 6 | |
| MULTI-PURPOSE LIGHT H/H | 4 | |
| FLAG BAG | 2 | |

NOTES: (\1 thru \6)

\1 4 located in MET spaces

\2 4 radios HAVEQUICK capable

\3 LF/MF/HF requirements comprise HFRG

\4 Located in MET spaces

\5 8 Channel

\6 Transmit only

# = CONCEPTUAL REQUIREMENT