**MILITARY SEALIFT COMMAND**

## MSC SHIP CLASS

## TAE

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 LPI | | 4 |
| B. | RECEIVERS | | |
| | LF/MF .1-30 | | 8 |
| | UHF 225-400 BCST | | 1 |
| C. | TRANSCEIVERS | | |
| | VHF 115-156 A3 | | 1 |
| | VHF 156-162 F3 | 2 | 1 |
| | UHF 225-400 A3/F3 | | 5 |
| | UHF 225-400 SAT | | 2 |
| | UHF 1626-1646 INMARSAT | 2 \1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| | FDCS | 1 | |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

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

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAE**

| H. PORTABLE EQUIPMENT | SHIP | MILDET |
|---|---|---|
| VHF 156-162 H/H | 6 | |
| UHF 457-468 H/H (PVPCS) | 9 | |
| & UHF 406 SAT (EPIRB) | 1 | |
| & SHF 9.2-9.5 gHz SARTS L/B | 1 | |

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

NOTES: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

### TAFS

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 LPI | | 4 |
| B. | RECEIVERS | | |
| | LF/MF .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 | 2 /1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| | FDCS | 1 | |
| & | INMARSAT A | | 1 |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | | 1 |
| & | INMARSAT C | 1 | |
| | VHF 156.525 DSC | 1 | |

| | | SHIP | MILDET |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | NAVMACS | | 1 |
| | HFDS | | 1 |
| | HSFB | | 1 |
| | SC SIMPLEX TMR | | 1 |
| | SC DUPLEX FSK | | 2 |
| | SC WEATHER FSK BCST | 1 | |
| | TTY TAPE MPD | | 1 |
| | OTCIXS | | 1 |
| # | VVFD (S) | | (1) |
| # | MCIXS | | (1) |
| F. | SECVOX SYSTEMS | | |
| | HF SC (N/B) | | 2 |
| | UHF SC (W/B) | | 6 |
| | UHF SAT (N/B) | | 1 |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAFS**

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

| H. PORTABLE EQUIPMENT | |
|---|---|
| VHF 156-162 H/H | 6 |
| UHF 457-468 H/H (PVPCS) | 9 |
| & UHF 406 SAT (EPIRB) | 1 |
| & SHF 9.2-9.5 gHz SARTS L/B | 1 |

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

NOTES: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

### TAG

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 LPI | | 2 \1 |
| B. | RECEIVERS | | |
| | LF/MF .1-30 | | 2 \2 |
| | UHF 225-400 BCST | | 1 \3 |
| C. | TRANSCEIVERS | | |
| | VHF 115-156 A3 | | 2 \3 |
| & | VHF 156-162 F3 | 2 | |
| | UHF 225-400 A3/F3 | | 1 \3 |
| | UHF 225-400 SAT | | 1 \3 |
| & | UHF 1626-1646 INMARSAT | 2 \4 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 \3 |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | | SHIP | MILDET |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | NAVMACS | | 1 \3 |
| | HFDS | | 1 |
| | HSFB | | 1 \3 |
| | SC SIMPLEX TMR | | 1 |
| | SC WEATHER FSK BCST | 1 | |
| F. | SECVOX SYSTEMS | | |
| | HF SC (N/B) | | 2 |
| | UHF SC (W/B) | | 1 |
| | UHF SAT (N/B) | | 1 \3 |
| G. | PATCHING/TESTING | | |
| | RED SAS | | M \3 |
| H. | PORTABLE EQUIPMENT | | |
| | VHF 156-162 H/H | 6 | |
| | UHF 457-468 H/H (PVPCS) | 9 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAG**

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

NOTES: (\1 thru \4)

\1 TAG 194 ONLY

\2 QUANTITY 3 TAG 194 ONLY

\3 TAG 195 ONLY

\4 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAGM

| A. TRANSMITTERS | SHIP | MILDET |
|---|---|---|
| MF/HF 2-30 A1/A3/F1 | 1 | 2 |
| MF 410-512 kHz | 2 \1 | |
| **B. RECEIVERS** | | |
| LF/MF .1-30 | 3 | 5 |
| UHF 225-400 BCST | | 1 |
| LF/MF 15 kHz-600 kHz | 2 | |
| **C. TRANSCEIVERS** | | |
| HF 1.6-30 | 1 | |
| VHF 156-162 F3 | 2 | |
| UHF 225-400 SAT | | 1 |
| UHF 1626-1646 INMARSAT | 2 \2 | |
| **D. SPECIAL FACILITIES** | | |
| 500 kHz AUTO ALARM RECEIVER | 1 | |
| & INMARSAT A | 1 | |
| & 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & 2187.5 kHz DSC WATCH RCVR | 1 | |
| & NAVTEX 518 kHz | 1 | |
| & INMARSAT C | 1 | |
| & VHF 156.525 DSC | 1 | |

| E. INFORMATION TRANSFER SYSTEMS | SHIP | MILDET |
|---|---|---|
| SC SIMPLEX TMR | | 1 |
| SC DUPLEX FSK | | 1 |
| SC WEATHER FSK BCST | 1 | |
| SITOR TERMINAL | 1 | |
| HSFB | | 1 |
| HFDS | | 1 |
| NAVMACS | | 1 |
| **F. SECVOX SYSTEMS** | | |
| HF SC (N/B) | | 1 |
| VHF SC (W/B) | | 2 |
| UHF SC (W/B) | | 1 |
| **G. PATCHING/TESTING** | | |
| RED SAS | | M |
| **H. PORTABLE EQUIPMENT** | | |
| VHF 156-162 H/H | 6 | |
| UHF 457-468 H/H (PVPCS) | 9 | |
| & UHF 406 SAT (EPIRB) | 1 | |
| & SHF 9.2-9.5 gHz SARTS L/B | 1 | |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAGM**

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

NOTES: (\1 thru \2)

\1 TAGM 20 only

\2 ONE XCVR INMARSAT "A" ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAGOS

| | | SHIP | SURTASS |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 LPI | | 2 |
| B. | RECEIVERS | | |
| & | LF/MF .1-30 | | 6 |
| C. | TRANSCEIVERS | | |
| | VHF 156-162 F3 | 3 | |
| | UHF 225-400 A3/F3 | | 2 |
| | UHF 225-400 SAT | | 2 |
| | UHF 1626-1646 INMARSAT | 2 \1 | |
| | SHF 7-8 GHz SAT | | 1 |
| D. | SPECIAL FACILITIES | | |
| | HFRG | 1 | |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |
| | HF DATA DUPLEX MODEM | | 1 |
| | SHF DATA DUPLEX MODEM | | 1 |

| | | SHIP | SURTASS |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | HFDS | | 1 |
| | SC SIMPLEX TMR | | 2 |
| | SC DUPLEX FSK | | 1 |
| | SITOR TERMINAL | 1 | |
| F. | SECVOX SYSTEMS | | |
| | HF SC (N/B) | | 2 |
| | UHF SC (W/B) | | 1 |
| | UHF SAT (N/B) | | 1 |
| G. | PORTABLE EQUIPMENT | | |
| | VHF 156-162 H/H | 3 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |

NOTE: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAGS 23/33

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF 400-535 kHz | 2 | |
| | MF/HF 2-30 | | 2 |
| B. | RECEIVERS | | |
| | LF/MF .1-30 | | 4 |
| | UHF 225-400 BCST | | 1 |
| C. | TRANSCEIVERS | | |
| | VHF 156-162 F3 | 2 | |
| | UHF 1626-1646 INMARSAT | 2 \1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | | SHIP | MILDET |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | SC WEATHER FSK BCST | 1 | |
| | 66 WPM RATT ASR | | 1 |
| | OFFLINE SEMI-AUTO INSTALLED | | 1 |
| F. | PORTABLE EQUIPMENT | | |
| | VHF 156-162 H/H | 6 | |
| | UHF 457-468 H/H (PVPCS) | 9 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |
| G. | VISUAL | | |
| | INFRA-RED RECEIVER | 1 | |
| | 12" SIGNAL/SEARCH LIGHT | 2 | |
| | MULTI-PURPOSE LIGHT H/H | 1 | |
| | FLAG BAG | 2 | |

NOTES: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAGS 45

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 LPI | | 2 |
| B. | RECEIVERS | | |
| | LF/MF .1-30 | | 6 |
| | UHF 225-400 BCST | | 1 |
| C. | TRANSCEIVERS | | |
| | VHF 115-156 A3 | | 1 |
| | VHF 156-162 F3 | 2 | |
| | UHF 225-400 A3/F3 | | 4 |
| | UHF 225-400 SAT | | 2 |
| | UHF 1626-1646 INMARSAT | 2 \1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| & | INMARSAT A | | 1 |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | | SHIP | MILDET |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | NAVMACS | | 1 |
| | HFDS | | 1 |
| | HSFB | | 1 |
| | SC SIMPLEX TMR | | 1 |
| | SC DUPLEX FSK | | 1 |
| | SC WEATHER FSK BCST | 1 | |
| | TTY TAPE MPD | | 1 |
| F. | SECVOX SYSTEMS | | |
| | HF SC (N/B) | | 2 |
| | UHF SC (W/B) | | 3 |
| | UHF SAT (N/B) | | 2 |
| G. | PATCHING/TESTING | | |
| | RED SAS | | M |
| H. | PORTABLE EQUIPMENT | | |
| | VHF 156-162 H/H | 6 | |
| | UHF 457-468 H/H (PVPCS) | 9 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAGS 45**

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

NOTES: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAGS 51

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 A1/A3/F1 | 2 | |
| B. | RECEIVERS | | |
| | LF/MF .1-30 | 2 | |
| C. | TRANSCEIVERS | | |
| | MF/HF 2-30 A3 | 1 | |
| | VHF 156-162 F3 | 2 | |
| | UHF 1626-1646 INMARSAT | 2 \1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| | VHF 156.525 DSC | 1 | |

| | | SHIP | MILDET |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | SC WEATHER FSK BCST | 1 | |
| | SITOR TERMINAL | 1 | |
| F. | PORTABLE EQUIPMENT | | |
| | VHF 156-162 H/H | 6 | |
| | UHF 457-468 H/H (PVPCS) | 9 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |
| G. | VISUAL | | |
| | INFRA-RED RECEIVER | 1 | |
| | 12" SIGNAL/SEARCH LIGHT | 2 | |
| | MULTI-PURPOSE LIGHT H/H | 1 | |
| | FLAG BAG | 2 | |

NOTES: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAGS 60

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 A1/A3/F1 | 1 | |
| B. | RECEIVERS | | |
| | LF/MF .1-30 | 2 | |
| C. | TRANSCEIVERS | | |
| | MF/HF 2-30 A3 | 1 | |
| | VHF 156-162 F3 | 2 | |
| | UHF 1626-1646 INMARSAT | 2 \1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | | SHIP | MILDET |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | SC WEATHER FSK BCST | 1 | |
| | SITOR TERMINAL | 1 | |
| F. | PORTABLE EQUIPMENT | | |
| | VHF 156-162 H/H | 6 | |
| | UHF 457-468 H/H (PVPCS) | 9 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |
| G. | VISUAL | | |
| | INFRA-RED RECEIVER | 1 | |
| | 12" SIGNAL/SEARCH LIGHT | 2 | |
| | MULTI-PURPOSE LIGHT H/H | 1 | |
| | FLAG BAG | 2 | |

NOTES: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAH

| | A. TRANSMITTERS | SHIP | MILDET |
|---|---|---|---|
| | MF/HF 2-30 LPI | 2 | 2 |
| | MF 400-535 kHz | 1 | |
| | **B. RECEIVERS** | | |
| | LF/MF .1-30 | | 4 |
| | UHF 225-400 BCST | | 1 |
| | MF/HF 15 kHz-30 | 2 | |
| | **C. TRANSCEIVERS** | | |
| | VHF 30-88 F3 | | 2 \1 |
| | VHF 115-156 A3 | | 2 |
| | VHF 156-162 F3 | 2 | 1 |
| | UHF 225-400 A3/F3 | | 2 |
| | UHF 225-400 SAT | | 2 |
| # | UHF 1350-1850 DWTS LOS | | (1) |
| & | UHF 1626-1646 INMARSAT | 2 \2 | |

| | D. SPECIAL FACILITIES | SHIP | MILDET |
|---|---|---|---|
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| | FDCS | 1 | |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |
| | SINCGARS | 1 \1 | |
| | **E. INFORMATION TRANSFER SYSTEMS** | | |
| | NAVMACS | | 1 |
| | HFDS | | 1 |
| | HSFB | | 1 |
| | SC SIMPLEX TMR | | 1 |
| | SC DUPLEX FSK | | 1 |
| | SC WEATHER FSK BCST | 1 | |
| | TTY TAPE MPD | | 1 |
| | SITOR TERMINAL | 1 | |
| # | VVFD (S) | | (1) |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAH**

| F. SECVOX SYSTEMS | SHIP | MILDET |
|---|---|---|
| HF SC (N/B) | | 2 |
| UHF SC (W/B) | | 1 |
| UHF SAT (N/B) | | 1 |
| VHF SC (W/B) | | 2 |
| **G. PATCHING/TESTING** | | |
| RED SAS | | M |
| QMCS | | 1 |
| **H. PORTABLE EQUIPMENT** | | |
| VHF 156 H/H | 6 | |
| UHF 457-468 H/H (PVPCS) | 9 | |
| & UHF 406 SAT (EPIRB) | 1 | |
| & SHF 9.2-9.5 gHz SARTS L/B | 1 | |

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

NOTES: (\1)

\1 1 SINCGARS capable

\2 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAK 3000

| | A. TRANSMITTERS | SHIP | MILDET |
|---|---|---|---|
| | MF 410-535 kHz | 2 | |
| | MF/HF 2-30 LPI | 3 | 3 \1 |
| | **B. RECEIVERS** | | |
| | LF/MF .1-30 | 3 | 8 |
| | UHF 225-400 BCST | | 1 |
| | **C. TRANSCEIVERS** | | |
| | VHF 115-156 A3 | | 2 |
| | VHF 156-162 F3 | 2 | 1 |
| | UHF 225-400 A3/F3 | | 2 |
| | UHF 225-400 SAT | | 2 \2 |
| & | UHF 1626-1646 INMARSAT | 2 \3 | |
| | SHF 7-8 gHz SAT | | 1 \2 |
| | **D. SPECIAL FACILITIES** | | |
| | HFRG | | 1 \2 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 \2 |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | E. INFORMATION TRANSFER SYSTEMS | SHIP | MILDET |
|---|---|---|---|
| | NAVMACS | | 1 \2 |
| | HFDS | | 1 \2 |
| | HSFB | | 1 \2 |
| | SC SIMPLEX TMR | | 1 \2 |
| | SC DUPLEX FSK | | 1 \2 |
| | SC WEATHER FSK BCST | 1 | |
| | TTY TAPE MPD | | 1 \2 |
| | NTCS-A | | 1 \2 |
| | OTCIXS | | 1 \2 |
| | SITOR TERMINAL | 1 | |
| | **F. SECVOX SYSTEMS** | | |
| | HF SC (N/B) | | 2 \2 |
| | UHF SC (W/B) | | 4 \1 |
| | UHF SAT (N/B) | | 1 \2 |
| | **G. PATCHING/TESTING** | | |
| | RED SAS | | M |
| | QMCS | | 1 \2 |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAK 3000**

| H. PORTABLE EQUIPMENT | SHIP | MILDET |
|---|---|---|
| VHF 156-162 H/H | 6 | |
| UHF 457-468 H/H (PVPCS) | 9 | |
| & UHF 406 SAT (EPIRB) | 1 | |
| & SHF 9.2-9.5 gHz SARTS L/B | 1 | |

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

NOTES: (\1 thru \3)

\1 2 FOR NON-FLAG SHIPS

\2 COMPSRON FLAG SHIPS ONLY

\3 ONE XCVR FOR INMARSAT "A"
ONE XCVR FOR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TAK

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF 410-535 kHz | 2 | |
| | MF/HF 2-30 LPI | | 3 |
| B. | RECEIVERS | | |
| | LF/MF .1-30 | | 3 |
| C. | TRANSCEIVERS | | |
| | VHF 156-162 F3 | 2 | |
| | UHF 225-400 A3/F3 | | 2 |
| | UHF 1626-1646 INMARSAT | 2 \1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| & | INMARSAT A | 1 | |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | | SHIP | MILDET |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | 66 WPM RATT ASR | | 1 |
| | OFF-LINE SEMI-AUTO INSTALL | | 1 |
| | SC R/O FSK UNCLAS | | 1 |
| | SC WEATHER FSK BCST | 1 | |
| | SITOR TERMINAL | 1 | |
| F. | SECVOX SYSTEMS | | |
| | HF SC (N/B) | | 2 |
| | UHF SC (W/B) | | 1 |
| G. | PORTABLE EQUIPMENT | | |
| | VHF 156-162 H/H | 6 | |
| | UHF 457-468 H/H (PVPCS) | 9 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAK**

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

NOTES: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

### TAO

| | | SHIP | MILDET |
|---|---|---|---|
| A. | TRANSMITTERS | | |
| | MF/HF 2-30 LPI | | 4 |
| B. | RECEIVERS | | |
| | LF/MF .1-30 | | 8 |
| | UHF 225-400 BCST | | 1 |
| C. | TRANSCEIVERS | | |
| | VHF 115-156 A3 | | 3 |
| | VHF 156-162 F3 | 1 | 2 |
| | UHF 225-400 A3/F3 | | 5 |
| | UHF 225-400 SAT | | 2 |
| & | UHF 1626-1646 INMARSAT | 2 \1 | |
| D. | SPECIAL FACILITIES | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| & | INMARSAT A | | 1 |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | | SHIP | MILDET |
|---|---|---|---|
| E. | INFORMATION TRANSFER SYSTEMS | | |
| | NAVMACS | | 1 |
| | HFDS | | 1 |
| | HSFB | | 1 |
| | SC SIMPLEX TMR | | 1 |
| | SC DUPLEX FSK | | 1 |
| | SC R/O FSK UNCLASS | | 1 |
| | SC WEATHER FSK BCST | 1 | |
| | TTY TAPE MPD | | 1 |
| | NTCS-A | | 1 |
| | OTCIXS | | 1 |
| # | VVFD (S) | | (1) |
| # | MCIXS | | (1) |
| F. | SECVOX SYSTEMS | | |
| | HF SC (N/B) | | 2 |
| | UHF SC (W/B) | | 4 |
| | UHF SAT (N/B) | | 1 |
| G. | PATCHING/TESTING | | |
| | RED SAS | | M |
| | QMCS | | 1 |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TAO**

| H. PORTABLE EQUIPMENT | SHIP | MILDET |
|---|---|---|
| VHF 156-162 H/H | 6 | |
| UHF 457-468 H/H (PVPCS) | 9 | |
| UHF 406 SAT (EPIRB) | 1 | |
| SHF 9.2-9.5 gHz SARTS L/B | 1 | |

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

NOTES: (\1 and \2)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TARC

| | A. TRANSMITTERS | SHIP | MILDET |
|---|---|---|---|
| | MF/HF 2-30 LPI | | 2 |
| | **B. RECEIVERS** | | |
| | LF/MF .1-30 | | 9 |
| | UHF 225-400 BCST | | 1 |
| | **C. TRANSCEIVERS** | | |
| | VHF 115-156 A3 | | 3 |
| & | VHF 156-162 F3 | 2 | 1 |
| | UHF 225-400 A3/F3 | | 5 |
| | UHF 225-400 SAT | | 2 |
| & | UHF 1626-1646 INMARSAT | 2 \1 | |
| | **D. SPECIAL FACILITIES** | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| & | INMARSAT A | | 1 |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | E. INFORMATION TRANSFER SYSTEMS | SHIP | MILDET |
|---|---|---|---|
| | NAVMACS | | 1 |
| | HFDS | | 1 |
| | HSFB | | 1 |
| | SC SIMPLEX TMR | | 1 |
| | SC DUPLEX FSK | | 1 |
| | SC WEATHER FSK BCST | 1 | |
| | TTY TAPE MPD | | 1 |
| | **F. SECVOX SYSTEMS** | | |
| | HF SC (N/B) | | 1 |
| | UHF SC (W/B) | | 4 |
| | UHF SAT (N/B) | | 1 |
| | **G. PATCHING/TESTING** | | |
| | RED SAS | | M |
| | **H. PORTABLE EQUIPMENT** | | |
| | VHF 156-162 H/H | 6 | |
| | UHF 457-468 H/H (PVPCS) | 9 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TARC**

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

NOTES: (\1)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

### TATF

| | A. TRANSMITTERS | SHIP | MILDET |
|---|---|---|---|
| | MF/HF 2-30 LPI | | 2 |
| | **B. RECEIVERS** | | |
| | LF/MF .1-30 | | 4 |
| | UHF 225-400 BCST | | 1 |
| | **C. TRANSCEIVERS** | | |
| | VHF 115-156 A3 | | 1 |
| & | VHF 156-162 F3 | 2 | |
| | UHF 225-400 A3/F3 | | 2 |
| | UHF 225-400 SAT | | 2 |
| & | UHF 1626-1646 INMARSAT | 2 \1 | |
| | **D. SPECIAL FACILITIES** | | |
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| & | INMARSAT A | | 1 |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |

| | E. INFORMATION TRANSFER SYSTEMS | SHIP | MILDET |
|---|---|---|---|
| | NAVMACS | | 1 |
| | HFDS | | 1 |
| | HSFB | | 1 |
| | SC SIMPLEX TMR | | 1 \3 |
| | SC DUPLEX FSK | | 1 |
| | SC WEATHER FSK BCST | 1 | |
| | TTY TAPE MPD | | 1 |
| | **F. SECVOX SYSTEMS** | | |
| | HF SC (N/B) | | 1 |
| | UHF SC (W/B) | | 2 |
| | UHF SAT (N/B) | | 1 |
| | **G. PATCHING/TESTING** | | |
| | RED SAS | | M |
| | **H. PORTABLE EQUIPMENT** | | |
| | VHF 156-162 H/H | 6 | |
| | UHF 457-468 H/H (PRPCS) | 9 | |
| & | UHF 406 SAT (EPIRB) | 1 | |
| & | SHF 9.2-9.5 gHz SARTS L/B | 1 | |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

**MSC SHIP CLASS**

**TATF**

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

NOTES: (\1 thru \2)

\1 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

\2 SINGLE OPERATOR - MAY SHARE TTY AND CRYPTO EQUIPMENT FOR SC BCST (FSK) RATT SYSTEM WHEN REQUIRED

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TLKA

| | A. TRANSMITTERS | SHIP | MILDET |
|---|---|---|---|
| | MF/HF 2-30 LPI | 1 | 2 |
| | **B. RECEIVERS** | | |
| | LF/MF .1-30 | 1 | 6 |
| | UHF 225-400 BCST | | 1 |
| | **C. TRANSCEIVERS** | | |
| | VHF 30-88 F3 | | 3 \1 |
| | VHF 115-156 A3 | 1 | 1 |
| & | VHF 156-162 F3 | 1 | |
| | UHF 225-400 A3/F3 | | 5 |
| | UHF 225-400 SAT | | 2 |
| # | UHF 1350-1850 DWTS LOS | | (1) |
| & | UHF 1626-1646 INMARSAT | 2 \2 | |

| | D. SPECIAL FACILITIES | SHIP | MILDET |
|---|---|---|---|
| | HFRG | | 1 |
| | 500 kHz AUTO ALARM RECEIVER | 1 | |
| | UHF DAMA | | 1 |
| & | INMARSAT A | | 1 |
| & | 2182 kHz AUTO ALARM WATCH RCVR | 1 | |
| & | 2187.5 kHz DSC WATCH RCVR | 1 | |
| & | NAVTEX 518 kHz | 1 | |
| & | INMARSAT C | 1 | |
| & | VHF 156.525 DSC | 1 | |
| | SINCGARS | | 1 \1 |
| | **E. INFORMATION TRANSFER SYSTEMS** | | |
| | NAVMACS | | 1 |
| | HFDS | | 1 |
| | HSFB | | 1 |
| | SC SIMPLEX TMR | | 1 |
| | SC DUPLEX FSK | | 2 |
| | SC WEATHER FSK BCST | 1 | |
| | TTY TAPE MPD | | 1 |

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT

## MSC SHIP CLASS

## TLKA

| F. SECVOX SYSTEMS | SHIP | MILDET |
|---|---|---|
| HF SC (N/B) | | 2 |
| VHF SC (W/B) | | 3 |
| UHF SC (W/B) | | 3 |
| UHF SAT (N/B) | | 1 |

| G. PATCHING/TESTING | | |
|---|---|---|
| RED SAS | | M |

| H. PORTABLE EQUIPMENT | |
|---|---|
| HF 2-30 EMERG M/P | 1 |
| VHF 30-88 M/P | 10 |
| VHF 30-88 H/H | 10 |
| VHF 156-162 H/H | 6 |
| VHF/UHF 121.5/243.0 EMERG L/B | 3 |
| UHF 457-468 H/H (PRPCS) | 9 |
| & UHF 406 SAT (EPIRB) | 1 |
| & SHF 9.2-9.5 gHz SARTS L/B | 1 |

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

NOTES: (\1 thru \2)

\1 1 SINCGARS capable

\2 ONE XCVR INMARSAT "A"
ONE XCVR INMARSAT "C"

& = GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
# = CONCEPTUAL REQUIREMENT