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OPNAV INSTRUCTION 3501.164D

From: Chief of Naval Operations

Subj: REQUIRED OPERATIONAL CAPABILITIES AND PROJECTED  
OPERATIONAL ENVIRONMENT FOR AVENGER CLASS MINE  
COUNTERMEASURES SHIPS

Ref: (a) OPNAVINST C3501.2K (NOTAL)  
(b) NWP 1-03.3 (NOTAL)

Encl: (1) Projected Operational Environment (POE) for MCM 1  
(Avenger) Class Mine Countermeasures Ships  
(2) Required Operational Capabilities (ROC) for MCM 1  
(Avenger) Class Mine Countermeasures Ships

1. Purpose

a. To issue the required operational capabilities (ROC) and the projected operational environment (POE) for Avenger class mine countermeasures ships (MCM 1).

b. This instruction is being reissued with a new date, updated version and signature authority to meet Chief of Naval Operation's age requirement for Office of the Chief of Naval Operations (OPNAV) instructions.

2. Cancellation. OPNAVINST F3501.164C.

3. Discussion. Enclosures (1) and (2) have been prepared per reference (a). The ROC and POE provide the necessary details to describe the mission areas, environment, and operational capabilities for which MCM 1 class was designed and organized as required by reference (a). This instruction provides resource agencies with the information concerning MCM 1 class mission requirements, capabilities and the types and locations of expected operations. Together, the ROC and POE establish tasking which produces measurable workload used to compute manpower requirements for ship manpower documents (SMD). Enclosure (2) will be used to determine specific mission area M-Ratings reported under reference (b).

4. Action. Request fleet commanders and naval mine and antisubmarine warfare command periodically review enclosures (1) and (2) and recommend changes to OPNAV (Attention: Branch Head, Mine Warfare (N952)) when capability of the MCM 1 class is significantly altered. Change recommendations should include comments on the expected SMD impact. No substantive changes required for this instruction.

5. Records Management. Records created as a result of this instruction, regardless of media and format, shall be managed per Secretary of the Navy Manual 5210.1 of January 2012.



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PROJECTED OPERATIONAL ENVIRONMENT (POE)  
FOR  
MCM 1 (AVENGER) CLASS MINE COUNTERMEASURES SHIPS

1. The MCM 1 class mine countermeasures ship's mission is to operate in a dangerous and technically demanding sea or coastal environment independently or as an integral member of a mine countermeasures group, expeditionary strike group, surface action group or carrier strike group. The mission includes performing minesweeping and mine hunting operations. In addition, MCM 1 class provides its own very limited surface warfare (SUW) self-defense and usually will require local area protection from a supporting group or force.
2. The most demanding operating environment anticipated for MCM 1 class is forward-deployed wartime operations within the littoral battle space supporting amphibious groups in cooperation with designated joint or allied forces. These operations are frequently characterized by confined and congested water and air space occupied by friends, adversaries, and neutrals making identification and coordination profoundly difficult. In this environment, adversaries can concentrate and layer their defenses.
3. Peacetime forward operations in littoral areas are also very demanding. In an era characterized by the proliferation of sophisticated weaponry, coupled with the advance of the global war on terrorism, MCM 1 class can anticipate surprise attack by submarines, coastal missiles, mines, sea-skimming cruise missiles, terrorist and other asymmetrical threats. A substantial percentage of operations will be conducted within the highly variable littoral environment with joint or allied partners.
4. In the event operational tasking requires the fleet commander to tailor assets of a deploying unit, the fleet commander will determine baseline-reporting requirements for the deployment, provided resource shortage is not a factor.

REQUIRED OPERATIONAL CAPABILITIES (ROC)  
FOR  
MCM 1 (AVENGER) CLASS MINE COUNTERMEASURES SHIPS

1. Mission. To clear littoral areas and harbor and coastal waters of mines to a case depth sufficient to enable strike group, amphibious, and other military shipping operations. The MCM 1 class is also capable of minesweeping, mine hunting and neutralization countermeasures in open ocean environments (except in polar regions). Accordingly, the following primary and secondary warfare mission areas are assigned:

MCM 1 Class										
CCC	FHP	FSO	INT	IO	LOG	MIW	MOB	MOS	NCO	SUW
P	S	S	S	S	S	P	P	P	S	S

Note: CCC: Control and Communications; FHP: Force Health Protection; FSO: Fleet Support Operations; INT: Intelligence Operations; IO: Information Operations; LOG: Logistics; MIW: Mine Warfare; MOB: Mobility; MOS: Missions of State; NCO: NonCombat Operations; SUW: Surface Warfare.

2. Readiness Conditions. ROCs are reported under readiness conditions having major significance in determining the unit's total manpower requirements. The following summarizes conditions covered:

a. Condition I: Battle Readiness

(1) This is general quarters for a maximum duration of 24 hours. Only offensive and defensive systems are manned. While in condition I, the ship shall be capable of meeting the following criteria:

(a) Able to perform all offensive and defensive functions simultaneously.

(b) Able to keep all installed systems manned and operating for maximum effectiveness.

(c) Required to accomplish only minimal maintenance - that is routinely associated with watch standing and urgent repairs.

(2) Evolutions such as replenishment, law enforcement, or helicopter operations are not applicable. The maximum expected continuous crew endurance for condition I is 24 hours.

b. Condition IM: Battle Readiness - Mine Countermeasures (Prosecution)

(1) Condition IM is a special readiness condition applicable only to mine countermeasures vessels. This is the state of mine countermeasures readiness in which mines are present and being processed for destruction or neutralization. Condition IM is set for mine-like contact prosecution or mine neutralization operations using the mine neutralization vehicle (MNV) and during ordnance loading or unloading on the MNV. During condition IM the ship shall be capable of meeting the following criteria:

(a) Able to keep all installed systems manned and operating for maximum effectiveness.

(b) Required to accomplish only minimal maintenance - that is routinely associated with watch standing and urgent repairs.

(2) A light caliber machine gun is manned for drifting mine destruction. Evolutions such as replenishment or law enforcement are not applicable. The maximum expected continuous crew endurance for condition IM is 24 hours.

c. Condition II: Modified Battle Readiness

(1) Condition II is condition I modified to meet particular probable threats that are situation-dependent. As such, condition II is a subset of condition I that stands up particular condition I capabilities at the discretion of the task force, group commander, or commanding officer. While in condition II, the ship shall be capable of meeting the following criteria:

(a) Able to simultaneously perform those offensive and defensive functions necessary to counter specific probable, limited threats.

(b) Able to keep required operational systems continuously manned and operating.

(c) Able to perform other command and control functions relevant to the threats which are not required to be accomplished simultaneously.

(d) Able to accomplish urgent underway planned maintenance and support functions.

(2) The maximum expected continuous duration for condition II is 10 consecutive days, with a minimum of 4 to 6 hours of rest provided per man per day. Since scenarios cannot be fixed in advance for all foreseeable combinations of circumstances other than full general quarters, a condition II column is not portrayed in the table of ROCs.

d. Condition IIM: Battle Readiness - Mine Countermeasures (Detection)

(1) Condition IIM is a special readiness condition applicable only to mine countermeasures vessels. This is the state of mine countermeasures readiness in which mines are present or a probable threat. Condition IIM is set for:

(a) Mine hunting or sweeping operations (after streaming minesweeping gear).

(b) Conducting route survey operations, minefield navigation (danning, conducting lead through).

(c) Sonar vectoring a small craft.

(d) Recovering mine sweeping gear.

(2) The crew is in two-section watches with an opportunity for 4 to 6 hours of rest per day. The ship is limited by crew endurance to 72 consecutive hours of minesweeping operations followed by 48 hours of condition III operations to refuel, and to perform routine planned maintenance system (PMS) and urgent repairs. Only daily and weekly routine PMS and urgent repairs are expected during condition IIM. A light caliber machine gun is manned for drifting mine destruction.

e. Condition III: Wartime, Increased Tension, and Forward-Deployed Cruising Readiness

(1) This is indefinite, sustained wartime or forward-deployed steaming. Reduced defensive systems are manned to a level sufficient to counter possible threats. The 60-day factor applies to logistics computations and is not the principal factor in the manpower computation. While in condition III, the ship shall be capable of meeting the following criteria:

(a) Able to keep installed systems manned and operating as necessary to conform with prescribed ROCs.

(b) Able to accomplish all normal underway maintenance, support, and administrative functions.

(2) MCM 1 class will set an evolution detail to stream minesweeping gear during condition III, prior to setting condition IIM. The minimum expected crew endurance for condition III is 60 consecutive days underway, with opportunity for 8 hours of rest provided per man per day, followed by 4 days in port.

f. Condition IV: Peacetime Cruising Readiness

(1) This is peacetime steaming with maximum advantage being taken of training opportunities. While in condition IV, the ship shall be capable of meeting the following criteria:

(a) Able to keep installed systems manned and operating only to the extent necessary for safe and effective ship control, propulsion and security.

(b) Able to accomplish all normal underway maintenance, support and administrative functions.

(2) Maximum advantage is taken of training opportunities. Expected endurance is not constrained by personnel. Ability to immediately change readiness posture to condition I, IM, II, IIM, or III is expected for active ships and reserve ships with augmentation on board.

g. Condition V: In Port Readiness

(1) This is a designated in port maintenance and training period. While in condition V, the ship shall be capable of meeting the following criteria:

(a) Able to keep installed systems manned and operating to the extent necessary for effective operation as dictated by the existing situation.

(b) Able to man watch stations as required to provide adequate security.

(c) Able at all times to meet anticipated in port emergencies and to perform in port functions as prescribed by unit ROCs.

(d) Able to accomplish all required maintenance, support, and administrative functions.

(2) Maximum advantage is taken of training opportunities. Subject to the foregoing requirements, the crew will be provided maximum opportunity for rest, leave, and liberty.

3. Readiness Capabilities and Modifiers. ROC symbols are used to specify the desired level of achievement of readiness or other work for or during a particular readiness condition. Readiness normally applies to watches and or evolutions, while other work refers to non-watch activity such as performing maintenance or running the galley.

a. Capabilities

(1) "F" = "Full." The capability is to be fully achieved. For operational functions (watches), this means that installed equipment or systems will be fully manned to design capability. For support functions, sufficient manning is provided to ensure effective accomplishment of all included tasks. The achievement is to be sustained for the duration of the condition unless modified by an "A" or "E."

(2) "L" = "Limited." The capability is to be only partially realized. (Note: "P" for "Partial" is no longer a

symbol.). Even though only limited capability is realized, it is to be sustained for the duration of the condition unless modified by an "A" or "E". A limiting statement specifying the limitation must support every "L."

b. Modifiers

(1) "A" = "Augmentation." The capability is to be either fully or partially achieved for a limited time during the condition. The capability is achieved by using off-watch or off-duty personnel to achieve the required degree of capability. This symbol is always associated with an "F" or "L" and establishes a requirement for personnel to be trained, available and on call to augment existing watch stations as required.

(2) "E" = "Special Team." The capability is to be either fully or partially achieved for a limited time during the condition. The capability is achieved by using off-watch special teams or details. This symbol is always associated with an "F" or "L" and denotes a capability that does not require continuous watch manning. Teams and details as set may either supplement or replace all or part of the existing watch organization. Man overboard and replenishment details are two examples.

		CAPABILITY	
		FULL	LIMITED
MODIFIER	None	Manned to design capacity for duration of condition	Manned to less than design capacity for duration of condition
	A	Temporarily manned to design capacity using off-watch personnel	Temporarily manned to less than design capacity using off-watch personnel
	E	Temporarily manned to design capacity using a special team	Temporarily manned to less than design capacity using a special team

4. Ship's Company and External Personnel Resources. Normally, using an "A" or an "E" requires no embellishing statement as their meanings are predefined. However, in the case of the MCM 1 as well as other classes that routinely embark external resources, the meaning may not be clear as to whether ship's company or an external resource should provide the augmentation.

5. Source of Personnel. This ROC and POE instruction shows:

a. If the resource is ship's company, no elaboration or statement is provided.

b. If the resource is external for "F," a note is added to the ROC stating the resource.

c. If the resource is external for "L," the resource is added to the capability limiting statement.

**REQUIRED OPERATIONAL CAPABILITIES**

MCM 1 Class	I/I M	IIM	III	IV	V
<b>COMMAND, CONTROL AND COMMUNICATIONS (CCC)</b>					
<b>CCC 1 PROVIDE COMMAND AND CONTROL (C2) FACILITIES FOR A TASK ORGANIZATION COMMANDER AND STAFF.</b>					
<p>CCC 1.2 Provide C2 facilities for embarked warfare commander or coordinator (other than own unit commanding officer).</p> <p>NOTE: Command, control, communications, computers, and intelligence suite sufficient to support embarked MCM commander.</p>	F	F	F	F	F
<p>CCC 1.13 Provide communication support for embarked warfare commander or coordinator.</p> <p>NOTE: Sufficient communications support for embarked minesweeper squadron commander. Staff provides their own watch standers.</p> <p>V(L) - Plan and train.</p>	F/E	F/E	F/E	F/E	L
<b>CCC 2 COORDINATE AND CONTROL THE OPERATIONS OF THE TASK ORGANIZATION OR FUNCTIONAL FORCE TO CARRY OUT ASSIGNED MISSIONS.</b>					
<p>CCC 2.8 Function as on-scene commander for a search and rescue (SAR) operation.</p> <p>I, III, IV(L) - Emergency initial response only until more capable unit arrives on scene.</p> <p>V(L) - Plan and train.</p>	L		L/A	L/A	L

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b>CCC 3 PROVIDE OWN UNIT'S C2 FUNCTIONS.</b>					
CCC 3.1 Maintain a combat information center or combat development command capable of collecting, processing, displaying, evaluating and disseminating technical information.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
CCC 3.3 Provide all personnel services, programs and facilities to safeguard classified material and information.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
CCC 3.4 Carry out emergency destruction of classified material and equipment rapidly and efficiently.  III, IV, V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
CCC 3.5 Employ identification friend or foe (IFF)/selective identification feature including secure IFF mode 4.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
CCC 3.11 Establish voice communications with supported forces.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
<b>CCC 4 MAINTAIN NAVY TACTICAL DATA SYSTEM OR DATA LINK CAPABILITY.</b>					
CCC 4.7 Receive link 14 information.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
CCC 4.13 Transmit/receive data via global command and control system-maritime.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>
<b>CCC 6 PROVIDE COMMUNICATIONS FOR OWN UNIT.</b>					
CCC 6.1 Maintain tactical voice communications.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<p>CCC 6.2 Maintain visual communications.</p> <p>I(L) - Maintain communications with one contact using a single operator-recorder watch stander.</p> <p>IIM, III, IV(L) - Communicate with one contact using a single operator-recorder. Visual specialist on call.</p> <p>V(L) - Plan and train.</p>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>
<p>CCC 6.3 Maintain multichannel cryptographically covered teletype/data receive circuits.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>
<p>CCC 6.5 Maintain full duplex, cryptographically covered high frequency teletype/data circuits.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>
<p>CCC 6.6 Process messages.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
<p>CCC 6.7 Maintain underwater communications.</p> <p>IV, V(L) - Plan and train.</p>	<b>F</b>	<b>F/E</b>	<b>F/A</b>	<b>L</b>	<b>L</b>
<p>CCC 6.10 Maintain voice/teletype/computer data cryptographically covered satellite communication circuits.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>
<p>CCC 6.12 Maintain internal communications systems.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
<p>CCC 6.16 Provide tactical, secure, anti-jam ultra-high frequency voice communications.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<p>CCC 6.17 Provide tactical, secure, anti-jam very-high frequency voice communications.</p> <p>NOTE: When single channel ground and airborne radio system is installed.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>
<p>CCC 6.19 Provide tactical, secure voice or data communications.</p> <p>V(L) - Plan and train.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
<p>CCC 6.21 Provide officer-in-tactical command information exchange subsystem.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
<p>CCC 6.24 Maintain common user digital information exchange system/ naval modular automated communications subsystem communications.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>
<b>CCC 9 RELAY COMMUNICATIONS.</b>					
<p>CCC 9.1 Relay visual communications.</p> <p>I(L) - Maintain communications with one contact using a single operator-recorder watch stander.</p> <p>IIM, III, IV(L) - Communicate with one contact using a single operator-recorder. Visual specialist on call.</p> <p>V(L) - Plan and train.</p>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L/A</b>

MCM 1 Class	I/I M	IIM	III	IV	V
<p><b>CCC 19 REPAIR OWN UNIT'S CCC EQUIPMENT.</b></p> <p>I, IIM(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IIM stations.</p>	L	L/A	F	F	F
<b>FORCE HEALTH PROTECTION (FHP)</b>					
<b>FHP 23 PROVIDE MEDICAL CARE TO ASSIGNED AND EMBARKED PERSONNEL.</b>					
FHP 23.1 Conduct sick call.			F	F	F
FHP 23.5 Conduct sanitation and safety inspections.			F	F	F
<p>FHP 23.6 Conduct occupational health/safety and preventive medicine programs and training using the following personnel:</p> <p>(a) Hospital corpsman.</p>			F	F	F
<p>FHP 23.9 Conduct associated administrative/maintenance services:</p> <p>(a) Maintain adequate medical supplies for appropriate level of health care.</p> <p>(d) Perform routine medical administrative services.</p>			F	F	F

MCM 1 Class	I/I M	IIM	III	IV	V
<p>FHP 23.10 Conduct on-site emergency medical treatment during hazardous evolutions including flight quarters, underway replenishment/refueling and amphibious assault boat operations.</p> <p>NOTE: During general quarters, casualties are normally taken to the corpsman in the battle dressing station.</p>		F	F	F	F
<p>FHP 23.17 Identify, equip, and maintain suitable spaces to provide medical care.</p>	F	F	F	F	F
<p>FHP 23.18 Identify, equip, and maintain adequate storage spaces for medical equipment and medical supplies.</p>	F	F	F	F	F
<p>FHP 23.19 Provide medical care, triage and resuscitation commensurate with health care provider credentials using the following personnel:</p> <p>(a) Independent duty corpsman.</p>	F	F	F	F	F
<b>FHP 24 PROVIDE FIRST AID ASSISTANCE.</b>					
<p>FHP 24.1 Identify, equip, and maintain appropriate first aid spaces.</p>	F	F	F	F	F
<p>FHP 24.2 Train assigned and embarked personnel in first aid, self and buddy aid procedures.</p>			F	F	F
<p>FHP 24.3 Train stretcher-bearers.</p>			F	F	F
<b>FHP 25 PROVIDE TRIAGE OF CASUALTIES/PATIENTS.</b>					
<p>FHP 25.1 Identify, equip, and maintain suitable triage spaces.</p>	F	F	F	F	F
<p>FHP 25.2 Train assigned and embarked personnel in triage care.</p> <p>NOTE: Medical personnel only.</p>			F	F	F

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
FHP 25.4 Train designated non-medical personnel to assist in triage management care for chemical, biological, and radiation (CBR) contamination casualties.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
FHP 25.5 Train designated non-medical personnel in CBR casualty decontaminated procedures.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
FHP 25.7 Provide medical treatment for CBR casualties.  I, III, IV(L) - Limited by qualifications of independent duty hospital corpsman.  V(L) - Plan and train.	<b>L</b>		<b>L</b>	<b>L</b>	<b>L</b>
<b>FHP 26 PROVIDE MEDICAL/SURGICAL TREATMENT FOR CASUALTIES/PATIENTS.</b>					
FHP 26.1 Identify, equip, and maintain suitable resuscitation spaces.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
FHP 26.2 Train assigned and embarked personnel in resuscitation.  NOTE: Medical personnel only.			<b>F</b>	<b>F</b>	<b>F</b>
FHP 26.4 Identify, equip, and maintain adequate medical supply storage spaces for appropriate level of resuscitation.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
FHP 26.5 Identify, equip, and maintain suitable spaces for emergency minor surgery.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
<b>FLEET SUPPORT OPERATIONS (FSO)</b>					
<b>FSO 5 CONDUCT TOWING/SEARCH/SALVAGE/RESCUE OPERATIONS.</b>					
FSO 5.3 Conduct rescue operations.  V(L) - Plan and train.			<b>F/A</b>	<b>F/A</b>	<b>L</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
FSO 5.11 Conduct underwater search operations using towed and/or hull-mounted sonar and/or magnetometer.  V(L) - Plan and train.			<b>F</b>	<b>F</b>	<b>L</b>
FSO 5.12 Conduct underwater search operations with video and/or still cameras.  V(L) - Plan and train.			<b>F/A</b>	<b>F/A</b>	<b>L</b>
<b>FSO 6 SUPPORT/CONDUCT SAR OPERATIONS IN A COMBAT/NONCOMBAT ENVIRONMENT.</b>					
FSO 6.2 Conduct combat/noncombat SAR operations by surface ships.  I(L) - Selected personnel must stand down from condition I stations to man SAR boat or deck recovery details.  V(L) - Plan and train.	<b>L/E</b>		<b>F/E</b>	<b>F/E</b>	<b>L</b>
FSO 6.4 Recover man overboard.  I, IIM(L) - Selected personnel must stand down from condition I and IIM stations to man SAR boat or deck recovery details.	<b>L/E</b>	<b>L/E</b>	<b>F/E</b>	<b>F/E</b>	<b>F/E</b>
FSO 6.6 Conduct SAR operations (including operations involving submarine disaster/rescues).  NOTE: Search only.  V(L) - Plan and train.	<b>F</b>		<b>F/E</b>	<b>F/E</b>	<b>L</b>
FSO 6.7 Conduct general surveillance.  V(L) - Plan and train.	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>
FSO 6.8 Acquire and display distress data.	<b>F</b>	<b>F/A</b>	<b>F/A</b>	<b>F/A</b>	<b>F/A</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
FSO 6.9 Report situation assessment.	F	F	F	F	F
<b>FSO 44 PROVIDE UNDERWAY TRAINING FOR ACTIVE CREW AND FOR TYPE II AND TYPE III SELECTED RESERVE (SELRES) CREWS.</b>	F	F	F	F	
<b>FSO 45 PROVIDE INPORT TRAINING FOR ACTIVE CREW AND FOR TYPE II, III SELRES CREWS.</b>					F
<b>FSO 51 REPAIR OWN UNIT'S FSO-RELATED EQUIPMENT.</b>  I, IIM(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I and IIM stations.	L	L	F	F	F
<b>FSO 55 MAINTAIN READINESS BY PROVIDING FOR TRAINING OF OWN UNIT'S PERSONNEL.</b>	F	F	F	F	F
<b>INTELLIGENCE OPERATIONS (INT)</b>					
<b>INT 1 SUPPORT/CONDUCT INTELLIGENCE COLLECTION.</b>					
INT 1.3 Support/conduct imagery intelligence information collection at short and long range utilizing organic/non-organic, or assigned imagery sensors and on-board imagery processing systems.  I, IIM, III(L) - Receive and process data only for warfare mission execution.  IV, V(L) - Plan and train.	L	L	L	L	L

MCM 1 Class	I/I M	IIM	III	IV	V
<b>INT 3 CONDUCT INTELLIGENCE SURVEILLANCE AND RECONNAISSANCE.</b>					
INT 3.2 Plan, direct, coordinate and conduct overt surveillance and reconnaissance operations.  I, III, IV(L) - Surface and underwater objects only.  V(L) - Plan and train.	L		L/A	L/A	L
<b>INT 4 CONDUCT OCEAN SURVEILLANCE OPERATIONS AGAINST TARGETS OF INTEREST.</b>					
INT 4.1 Detect and locate targets of interest.  NOTE: Surface and underwater objects only.  V(L) - Plan and train.	F	F	F	F	L
INT 4.2 Classify and identify targets of interest.  NOTE: Surface and underwater objects only.  V(L) - Plan and train.	F	F	F	F	L
INT 4.3 Track targets of interest.  NOTE: Surface and underwater objects only.  V(L) - Plan and train.	F	F	F	F	L
<b>INT 6 CONDUCT SURFACE RECONNAISSANCE.</b>					
INT 6.7 Recognize by sight friendly and enemy aircraft, ships, submarines, and potential naval fire support targets which may be encountered in the expected operating areas.	F	F	F	F/A	

<b>MCM 1 Class</b>		<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b>INFORMATION OPERATIONS (IO)</b>						
<b>IO 4 PLAN AND IMPLEMENT OPERATIONS SECURITY (OPSEC) MEASURES.</b>						
IO 4.1	Implement appropriate/directed electromagnetic/acoustic emissions control (EMCON) condition.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>	<b>L</b>
IO 4.2	Transition rapidly from one EMCON condition to another.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>	<b>L</b>
IO 4.3	Monitor own unit compliance with EMCON condition in effect.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F/A</b>	<b>L</b>
IO 4.11	Plan, coordinate, and control implementation of OPSEC measures.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F/A</b>
IO 4.12	Execute OPSEC measures.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F/A</b>
<b>IO 6 PLAN AND CONDUCT COUNTERSURVEILLANCE, COUNTER-TARGETING AND MILITARY DECEPTION (MILDEC) OPERATIONS.</b>						
IO 6.7	Conduct naval operational deception operations using tactics, operations, exercises or physical means.  V(L) - Plan and train.	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>
<b>IO 25 MILDEC</b>						
IO 25.5	Execute military tactical deception operations using technical means (electronic, acoustic, visual and electro-optic).  V(L) - Plan and train.	<b>F</b>		<b>F/A</b>	<b>F/A</b>	<b>L</b>

MCM 1 Class	I/I M	IIM	III	IV	V
<b>LOGISTICS (LOG)</b>					
<b>LOG 2 TRANSFER/RECEIVE CARGO AND PERSONNEL.</b>					
LOG 2.5 Transfer personnel and light freight by highline.  III, IV(L) - Hand tended highline for personnel or slack wire rig for freight. Not simultaneous with other replenishment evolutions.  V(L) - Plan and train.			L/E	L/E	L
<b>LOG 4 SUPPORT SHIPS AND AIRCRAFT IN SUPPLIES, ORDNANCE AND OTHER SERVICES.</b>					
LOG 4.4 Provide another unit with:  (b) Electrical power. (e) Fresh water. (i) Compressed air.  V(L) - Emergency only. Limited to ships/craft of similar size or smaller.					L
<b>MINE WARFARE (MIW)</b>					
<b>MIW 1 CONDUCT MOORED MINE SWEEPING OPERATIONS.</b>  III, IV, V(L) - Plan and train.		F	L	L	L
<b>MIW 2 CONDUCT INFLUENCE MINE SWEEPING OPERATIONS.</b>					
MIW 2.1 Sweep magnetic mines.  NOTE: Underwater electric potential mines can be swept by mechanical means.  III, IV, V(L) - Plan and train.		F	L	L	L

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
MIW 2.2 Sweep acoustic mines.  III, IV, V(L) - Plan and train.		<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
MIW 2.4 Sweep underwater electrical potential mines.  III, IV, V(L) - Plan and train.		<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
MIW 2.5 Sweep magnetic/acoustic combination influence mines.  III, IV, V(L) - Plan and train.		<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
MIW 2.9 Plan/direct minesweeping operations.  III, IV, V(L) - Plan and train.		<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
<b>MIW 3 CONDUCT MINE NEUTRALIZATION/ DESTRUCTION.</b>					
MIW 3.1 Neutralize located mines.  NOTE: Explosive ordinance disposal (EOD) support required for buried sea mines.  III, IV, V(L) - Plan and train.	<b>F/E</b>		<b>L</b>	<b>L</b>	<b>L</b>
MIW 3.2 Destroy floating mines.  NOTE: EOD support required.  III, IV, V(L) - Plan and train.	<b>F/E</b>	<b>F/E</b>	<b>L</b>	<b>L</b>	<b>L</b>
MIW 3.3 Destroy subsurface mines.  NOTE: EOD support required.  III, IV, V(L) - Plan and train.	<b>F/E</b>		<b>L</b>	<b>L</b>	<b>L</b>

<b>MCM 1 Class</b>		<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
MIW 3.6	Provide support for embarked EOD/SEAL.  NOTE: No full dive locker capability.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
MIW 3.7	Conduct low influence signature diving operations to unit's designated depth capability to locate, neutralize, destroy or recover underwater ordnance.  NOTE: EOD support required.  III, IV, V(L) - Plan and train.	<b>F/E</b>		<b>L</b>	<b>L</b>	<b>L</b>
MIW 3.9	Plan/direct mine neutralization/ destruction.  III, IV, V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
<b>MIW 4 CONDUCT MINE COUNTERMEASURE (MCM).</b>						
MIW 4.1	Detect, classify, and plot sea mines.  III, IV, V(L) - Plan and train.		<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
MIW 4.2	Vector small craft to mark located mine-like objects.  III, IV, V(L) - Plan and train.		<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
MIW 4.5	Conduct MCM operations using remotely operated vehicles .  III, IV, V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>

<b>MCM 1 Class</b>		<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
MIW 4.6	Conduct underwater search operations using towed and/or hull-mounted sonar and/or magnetometer.  III, IV, V(L) - Plan and train.		<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
MIW 4.8	Conduct underwater search operations using diver hand-held sonar and/or magnetometer.  NOTE: Embarked EOD support required.  III, IV, V(L) - Plan and train.		<b>F/E</b>	<b>L</b>	<b>L</b>	<b>L</b>
MIW 4.9	Conduct surveillance of potential enemy mine laying activity.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
MIW 4.10	Plan/direct MCM.  III, IV, V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>
<b>MIW 6 CONDUCT MAGNETIC SILENCING (DEGAUSSING, DEPERMING, ETC.)</b>						
MIW 6.7	Maintain magnetic signature limits.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
MIW 6.8	Maintain own unit's degaussing readiness.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
<b>MIW 8 CONDUCT PRECISE NAVIGATION.</b>						
MIW 8.1	Maintain a precise navigation system.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
MIW 8.2	Navigate precisely in MCM environment.  III, IV, V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>L</b>	<b>L</b>	<b>L</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
MIW 8.4 Operate and maintain the channel finder system.	F	F	F	F	F
MIW 8.5 Safely navigate minefields.  V(L) - Plan and train.	F	F	F	F	L
<b>MIW 11 CONDUCT ROUTE SURVEY OPERATIONS.</b>					
MIW 11.1 Conduct route survey operations by surface mine countermeasure ships/craft.  III, IV, V(L) - Plan and train.		F	L	L	L
MIW 11.3 Provide capability to collect, store, retrieve, and process MIW contact information.  V(L) - Plan and train.	F	F	F	F	L
<b>MIW 13 REPAIR OWN UNIT'S MIW EQUIPMENT.</b>  IM, IIM(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IIM stations.	L	L	F	F	F
<b>MIW 15 CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S MIW CAPABILITIES.</b>  IM, IIM(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IIM stations.	L	L	F	F	F

MCM 1 Class	I/I M	IIM	III	IV	V
<b>MOBILITY (MOB)</b>					
<b>MOB 1 OPERATE SHIP'S PROPULSION PLANT TO DESIGNED CAPABILITY.</b>					
MOB 1.1 Operate ship's propulsion plant at full power.  V(L) - Plan and train.			F	F	L
MOB 1.2 Operate ship's propulsion plant with split plant operations.  V(L) - Plan and train.	F	F	F	F	L
MOB 1.3 Operate employing auxiliary propulsion.  III, IV(L) - Plan and train.		F	L	L	
MOB 1.6 Maintain necessary machinery redundancy to enhance survival in high threat areas.  V(L) - Plan and train.	F	F	F	F	L
<b>MOB 3 PREVENT AND CONTROL DAMAGE.</b>					
MOB 3.1 Control fire, flooding, electrical, structural, propulsion, and hull/airframe causalities.  IIM, III, IV(L) - At sea fast reaction team manned by off-watch personnel.  V(L) - Duty in port emergency party requires assistance from shore fire department.	F	L/E	L/E	L/E	L/E

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<p>MOB 3.2 Counter and control CBR contaminants/agents.</p> <p>IIM, III, IV(L) - At sea fast reaction team manned by off-watch personnel.</p> <p>V(L) - Plan and train.</p>	<b>F</b>	<b>L/E</b>	<b>L/E</b>	<b>L</b>	<b>L</b>
<p>MOB 3.3 Maintain security against unfriendly acts.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
<p>MOB 3.5 Provide damage control security/surveillance.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
<p>MOB 3.8 Provide emergency breathing devices per ship allowance.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
<p><b>MOB 5 MANEUVER IN FORMATION.</b></p> <p>V(L) - Plan and train.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
<p><b>MOB 7 PERFORM SEAMANSHIP, AIRMANSHIP, AND NAVIGATION TASKS.</b></p>					
<p>MOB 7.1 Navigate under all conditions of geographic location, weather and visibility.</p> <p>V(L) - Plan and train.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
<p>MOB 7.2 Conduct precision anchoring.</p> <p>I(L) - To achieve full capability designated personnel must stand down from their repair party stations to man the anchor handling equipment.</p> <p>V(L) - Plan and train.</p>	<b>L/E</b>		<b>F/E</b>	<b>F/E</b>	<b>L</b>
<p>MOB 7.3 Get underway, moor, anchor and sortie with duty section in a safe manner.</p> <p>V(L) - Deployed duty section fully capable. Not deployed, recall of personnel required.</p>					<b>L</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
MOB 7.6 Abandon/scuttle ship rapidly.	<b>F</b>				
MOB 7.7 Provide life boat/raft capacity per unit's allowance.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
MOB 7.8 Tow or be towed (towing engine not required).  NOTE: Limited to towing ships/craft of similar size or smaller.  I(L) - 96-hour duration. To achieve full capability designated personnel must stand down from their repair party stations to man the towing detail.  V(L) - Plan and train.	<b>L/E</b>		<b>F/E</b>	<b>F/E</b>	<b>L</b>
MOB 7.9 Operate day and night and under all weather conditions.  V(L) - Plan and train.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>L</b>
MOB 7.16 Recover man overboard (shipboard, boat or helicopter).  I, IIM(L) - Selected personnel must stand down from condition I and IIM stations to man SAR boat or deck recovery details.	<b>L/E</b>	<b>L/E</b>	<b>F/E</b>	<b>F/E</b>	<b>F/E</b>
<b>MOB 10 REPLENISH AT SEA.</b>					
MOB 10.2 Receive fuel while underway (alongside method).  NOTE: Via slack wire rig at minimum speed or stopped only. (2.5 inch quick-disconnect)			<b>F/E</b>	<b>F/E</b>	

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<p>MOB 10.3 Receive munitions and provisions while underway.</p> <p>NOTE: Slack wire single rig only. Not simultaneous with other replenishment evolutions. 96-hour duration.</p>			<b>F/E</b>	<b>F/E</b>	
<p>MOB 10.4 Receive potable and/or feed water while underway.</p> <p>NOTE: Slack wire single rig only. Not simultaneous with other replenishment evolutions. 96-hour duration.</p>			<b>F/E</b>	<b>F/E</b>	
<p>MOB 10.6 Receive fuel while underway (astern method).</p> <p>I(L) - Selected personnel must stand down from condition I stations to man refueling stations.</p> <p>V(L) - Plan and train.</p>	<b>L/E</b>		<b>F/E</b>	<b>F/E</b>	<b>L</b>
<p><b>MOB 12 MAINTAIN THE HEALTH AND WELL-BEING OF THE CREW.</b></p>					
<p>MOB 12.1 Ensure all phases of food service operations are conducted consistent with approved sanitary procedures and standards.</p> <p>I, IIM(L) - Battle messing will require securing certain personnel from condition I or IIM stations at commanding officer's discretion.</p>	<b>L</b>	<b>L</b>	<b>F</b>	<b>F</b>	<b>F</b>
<p>MOB 12.2 Ensure the operation of the potable water system in a manner consistent with approved sanitary procedures and standards.</p>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
MOB 12.3 Maintain the environment to ensure the protection of personnel from overexposure to hazardous levels of radiation, temperature, noise, vibration, and toxic substances per current instructions.			<b>F</b>	<b>F</b>	<b>F</b>
MOB 12.5 Monitor the health and well-being of the crew to ensure that habitability is consistent with approved habitability procedures and standards.			<b>F</b>	<b>F</b>	<b>F</b>
MOB 12.6 Ensure the operation and maintenance of all phases of ship environmental protection systems do not create a health hazard and are consistent with other Navy directives pertaining to the prevention of pollution of the environment.			<b>F</b>	<b>F</b>	<b>F</b>
MOB 12.8 Provide individual protective clothing and equipment to sufficiently protect shipboard personnel identified being at risk in a CBR-contaminated environment.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
MOB 12.12 Provide antidotes to ship's company which will counteract the effects caused by a CBR-contaminated environment.	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
MOB 12.13 Train designated medical supervisors and non-medical personnel to detect CBR-contaminated casualties.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
MOB 12.14 Train designated non-medical personnel to decontaminate CBR casualties.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
MOB 12.15 Identify, supply, and maintain decontamination stations.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>

MCM 1 Class	I/I M	IIM	III	IV	V
<p><b>MOB 17 PERFORM ORGANIZATIONAL LEVEL REPAIRS TO OWN UNIT'S MOB EQUIPMENT.</b></p> <p>I, IIM(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IIM stations.</p>	L	L	F	F	F
<p><b>MOB 18 CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S MOB CAPABILITIES.</b></p> <p>V(L) - Assistance of off watch personnel may be required.</p>	F	F	F	F	L/A
<b>MISSIONS OF STATE (MOS)</b>					
<b>MOS 1 PERFORM NAVAL DIPLOMATIC PRESENCE OPERATIONS.</b>					
<p>MOS 1.1 Establish a sovereign, mobile sea base in a forward area.</p> <p>V(L) - Plan and train.</p>	F	F	F	F	L
<p>MOS 1.2 Conduct force/unit tour for foreign dignitaries.</p>				F	F
<p>MOS 1.3 Conduct systems/weapons demonstrations for foreign dignitaries.</p>			F	F	F
<p>MOS 1.4 Conduct foreign port calls.</p>					F
<p>MOS 1.5 Conduct force/unit tours for foreign citizens during port calls.</p>					F
<p>MOS 1.6 Conduct receptions for foreign dignitaries during port calls.</p>					F
<p>MOS 1.7 Provide volunteers for small project assistance during port calls.</p>					F
<p>MOS 1.8 Participate in military exercises with allied nations.</p>			F	F	F
<p>MOS 1.9 Participate in military exercises with non-allied nations.</p>			F	F	F

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
MOS 1.10 Participate in or provide participants for foreign/allied commemorative or ceremonial events.					<b>F</b>
MOS 1.11 Provide lift of opportunity for foreign or national diplomatic material.  III, IV, V(L) - Small quantities that do not interfere with the regular combat capabilities or logistics load.			<b>L</b>	<b>L</b>	<b>L</b>
<b>MOS 2 PROVIDE HUMANITARIAN ASSISTANCE.</b>					
MOS 2.1 Deliver relief material.  III, IV, V(L) - Small quantities that do not interfere with the regular combat capabilities or logistics load.			<b>L</b>	<b>L</b>	<b>L</b>
MOS 2.2 Provide emergency flooding/firefighting assistance.  I(L) - Requires securing personnel from other battle stations.	<b>L/E</b>		<b>F/E</b>	<b>F/E</b>	<b>F/E</b>
MOS 2.4 Provide disaster assistance and evacuation.			<b>F/E</b>	<b>F/E</b>	<b>F/E</b>
MOS 2.5 Clear and repair utilities and facilities damaged by natural disaster, fire, and civil disturbance; decontaminate CBR effects.					<b>F/E</b>
MOS 2.10 Support/provide for the evacuation of noncombatant personnel in areas of civil or international crisis.			<b>F/A</b>	<b>F/A</b>	<b>F/A</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
MOS 2.11 Support/conduct helicopter/boat evacuation of noncombatant personnel as directed by higher authority from areas of civil or international crisis.			F/A	F/A	F/A
MOS 2.12 Provide for embarkation, identification, and processing of evacuees.			F/A	F/A	F/A
MOS 2.13 Provide care, feeding, and berthing of evacuees.			F/A	F/A	F/A
MOS 2.14 Provide transportation for evacuees to designated safe havens or onward processing centers.			F/A	F/A	F/A
<b>MOS 3 PERFORM PEACEKEEPING.</b>					
MOS 3.2 Provide logistics support for a joint/allied peacekeeping force.  I(L) - Full, simultaneous composite warfare capabilities may be degraded.	L/A		F/A	F/A	F/A
MOS 3.3 Provide direct participation in a joint/allied peacekeeping force within a foreign country/region.  IV, V(L) - Plan and train.	F	F	F	L	L
<b>MOS 4 PERFORM INTERDICTION.</b>					
MOS 4.1 Conduct naval blockade.  IV, V(L) - Plan and train.	F	F	F/A	L	L
MOS 4.2 Conduct quarantine operations.  IV, V(L) - Plan and train.	F	F	F/A	L	L
MOS 4.3 Conduct sanction enforcement operations.  IV, V(L) - Plan and train.	F	F	F/A	L	L

<b>MCM 1 Class</b>		<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b>MOS 8 PROVIDE ANTI-TERRORISM ASSISTANCE</b>						
MOS 8.1	Ensure that the physical security of important persons, facilities and events meets acceptable standards.			<b>F</b>	<b>F</b>	<b>F</b>
MOS 8.2	Provide training and advice on how to reduce vulnerability to terrorism and other threats, particularly in the maritime environment.			<b>F</b>	<b>F</b>	<b>F</b>
<b>NONCOMBAT OPERATIONS (NCO)</b>						
<b>NCO 2 PROVIDE ADMINISTRATIVE AND SUPPLY SUPPORT FOR OWN UNIT.</b>						
NCO 2.1	Provide supply support services.  I, IIM(L) - Emergency supply services.  V(L) - Reduced capability due to administrative and supply located ashore.	<b>L</b>	<b>L</b>	<b>F</b>	<b>F</b>	<b>L</b>
NCO 2.2	Provide clerical services.			<b>F</b>	<b>F</b>	<b>F</b>
NCO 2.5	Provide messing facilities.  I, IIM(L) - Battle messing will require securing certain personnel from condition I or IIM stations at commanding officer's discretion.	<b>L</b>	<b>L</b>	<b>F</b>	<b>F</b>	<b>F</b>
NCO 2.6	Provide ship's service facilities.  III, IV, V(L) - Limited to laundry service.			<b>L</b>	<b>L</b>	<b>L</b>
NCO 2.7	Provide inventory and custodial services.			<b>F</b>	<b>F</b>	<b>F</b>
NCO 2.8	Provide personnel for living space maintenance.			<b>F</b>	<b>F</b>	<b>F</b>

<b>MCM 1 Class</b>		<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b>NCO 3 PROVIDE UPKEEP AND MAINTENANCE OF OWN UNIT.</b>						
NCO 3.1	Provide organizational level preventive maintenance.  I, IIM(L) - Limited to daily and weekly preventive maintenance routinely associated with watch standing.	<b>L</b>	<b>L</b>	<b>F</b>	<b>F</b>	<b>F</b>
NCO 3.2	Provide organizational level corrective maintenance.  I, IIM(L) - Limited to urgent repairs to equipment critical to ship's mission.	<b>L</b>	<b>L</b>	<b>F</b>	<b>F</b>	<b>F</b>
NCO 3.3	Provide small arms storage area.		<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
NCO 3.4	Maintain preservation and cleanliness of topside and internal spaces.  I, IIM(L) - May require standing down selected personnel from their condition I and IIM stations.	<b>L</b>	<b>L</b>	<b>F</b>	<b>F</b>	<b>F</b>
NCO 3.5	Provide for proper storage, handling, use and transfer of hazardous materials.  I, IIM(L) - May require standing down selected personnel from their condition I and IIM stations.	<b>L</b>	<b>L</b>	<b>F</b>	<b>F</b>	<b>F</b>

MCM 1 Class	I/I M	IIM	III	IV	V
<b>NCO 5 CONDUCT METEROLOGICAL HYDROGRAPHIC AND/OR BATHYMETRIC COLLECTION OPERATIONS OR SURVEYS.</b>					
NCO 5.1 Collect and disseminate meteorological information.  I, IIM, III, IV(L) - Limited to synoptic reports.	L	L	L	L	
NCO 5.2 Collect and disseminate hydrographic information.  I, IIM, III, IV(L) - Limited to synoptic reports.	L	L	L	L	
NCO 5.3 Collect and disseminate oceanographic information including bathythermograph operations.  I, IIM, III, IV(L) - Limited to synoptic reports.	L	L	L	L	
<b>NCO 8 SERVE AS A PLATFORM FOR OPERATIONAL TEST AND EVALUATION OF SYSTEMS, EQUIPMENT, AND TACTICS.</b>					
NCO 8.1 Provide technical assistance for installed test and evaluation equipment.			F/A	F/A	F/A
NCO 8.2 Perform the test and evaluation functions set forth in the appropriate test plans.			F/A	F/A	F/A
NCO 8.3 Perform the evaluation functions set forth in appropriate tactical memos.			F/A	F/A	F/A
<b>NCO 10 PROVIDE EMERGENCY/DISASTER ASSISTANCE.</b>					
NCO 10.1 Provide emergency flooding/firefighting assistance to another unit.  I(L) - Requires securing personnel from other battle stations.	L/E		F/E	F/E	F/E

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
NCO 10.4 Provide disaster assistance and evacuation.			<b>F/E</b>	<b>F/E</b>	<b>F/E</b>
NCO 10.5 Clear and repair utilities and facilities damaged by natural disaster, fire, and civil disturbance; decontaminate CBR effects.					<b>F/E</b>
<b>NCO 11 SUPPORT/PROVIDE FOR THE EVACUATION OF NONCOMBATANT PERSONNEL IN AREAS OF CIVIL OR INTERNATIONAL CRISIS.</b>					
NCO 11.1 Support/conduct helicopter/boat evacuation of noncombatant personnel as directed by higher authority from areas of civil or international crisis.			<b>F/A</b>	<b>F/A</b>	<b>F/A</b>
NCO 11.2 Provide for embarkation, identification and processing of evacuees.			<b>F/A</b>	<b>F/A</b>	<b>F/A</b>
NCO 11.3 Provide care, feeding and berthing of evacuees.			<b>F/A</b>	<b>F/A</b>	<b>F/A</b>
NCO 11.4 Provide transportation for evacuees to designated safe havens or onward processing centers.			<b>F/A</b>	<b>F/A</b>	<b>F/A</b>
<b>NCO 19 CONDUCT MARITIME LAW ENFORCEMENT OPERATIONS.</b>					
NCO 19.1 Detect and identify noncombatant vessels.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
NCO 19.2 Conduct boarding and inspection of noncombatant vessels.  IV, V(L) - Plan and train.	<b>F</b>		<b>F</b>	<b>L</b>	<b>L</b>
NCO 19.3 Provide assistance to other law enforcement forces.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
NCO 19.4 Provide surveillance and protection of maritime resources.  IV, V(L) - Plan and train.	<b>F</b>		<b>F</b>	<b>L</b>	<b>L</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
NCO 19.6 Conduct seizure of noncombatant vessels.  IV, V(L) - Plan and train.	<b>F</b>		<b>F</b>	<b>L</b>	<b>L</b>
NCO 19.9 Conduct drug traffic suppression and interdiction operations.  IV, V(L) - Plan and train.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
NCO 19.13 Support enforcement of fisheries law and treaties.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
NCO 19.14 Support enforcement of offshore mining and gas/oil drilling laws.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
NCO 19.15 Support drug traffic suppression and interdiction operations.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
NCO 19.16 Support illegal entry suppression operations.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
<b>NCO 25 CONDUCT MARINE ENVIRONMENTAL PROTECTION.</b>					
NCO 25.1 Detect oil or hazardous chemical spill.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
NCO 25.2 Report spills to proper authority.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
NCO 25.3 Conduct pollution abatement operations.	<b>F</b>		<b>F</b>	<b>F</b>	<b>F</b>
<b>NCO 32 CONDUCT COUNTER NARCOTIC AND OTHER LAW ENFORCEMENT SUPPORT OPERATIONS IN CONJUNCTION WITH OTHER FORCES.</b>					
NCO 32.1 Conduct/support operations with Coast Guard units.  V(L) - Plan and train.	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>
NCO 32.2 Conduct/support operations with other federal law enforcement agencies.  V(L) - Plan and train.	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>

<b>MCM 1 Class</b>	<b>I/I M</b>	<b>IIM</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<p>NCO 32.4 Conduct operations with other national governments.</p> <p>V(L) - Plan and train.</p>	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>
<b>NCO 33 SUPPORT/PROVIDE COUNTERNARCOTICS AND OTHER LAW ENFORCEMENT SUPPORT PATROL OF A FIXED GEOGRAPHIC AREA.</b>					
<p>NCO 33.1 Operate as choke point patrol unit.</p> <p>IV, V(L) - Plan and train.</p>	<b>F</b>		<b>F</b>	<b>L</b>	<b>L</b>
<p>NCO 33.2 Operate as an open ocean patrol unit.</p> <p>IV, V(L) - Plan and train.</p>	<b>F</b>		<b>F</b>	<b>L</b>	<b>L</b>
<b>NCO 34 IN SUPPORT OF COUNTERNARCOTICS AND OTHER LAW ENFORCEMENT OPERATIONS, DETECT AND MONITOR SUSPECT SURFACE CONTACTS.</b>					
<p>NCO 34.1 Detect and monitor surface contacts with radar.</p> <p>V(L) - Plan and train.</p>	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>
<p>NCO 34.2 Detect and monitor surface contacts visually.</p> <p>V(L) - Plan and train.</p>	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>
<p>NCO 34.3 Detect and monitor surface contacts with infrared equipment.</p> <p>V(L) - Plan and train.</p>	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>
<p>NCO 34.4 Detect and monitor surface contacts with electronic surveillance methods.</p> <p>V(L) - Plan and train.</p>	<b>F</b>		<b>F</b>	<b>F</b>	<b>L</b>

MCM 1 Class	I/I M	IIM	III	IV	V
<b>NCO 36 IN SUPPORT OF COUNTERNARCOTICS AND OTHER LAW ENFORCEMENT OPERATIONS, DETECT AND MONITOR SUSPECT AIR CONTACTS.</b>					
NCO 36.1 Detect and monitor air contacts with radar.  V(L) - Plan and train.	F		F	F	L
NCO 36.2 Detect and monitor air contacts visually.  V(L) - Plan and train.	F		F	F	L
NCO 36.3 Detect and monitor air contacts by electronic surveillance measures.  V(L) - Plan and train.	F		F	F	L
<b>NCO 37 EMBARK AND SUPPORT LAW ENFORCEMENT DETACHMENTS.</b>	F		F	F	F
<b>NCO 38 RECEIVE, DISPLAY AND MAINTAIN COUNTERNARCOTIC INTELLIGENCE DATA.</b>	F		F	F	F
<b>SURFACE WARFARE (SUW)</b>					
<b>SUW 1 USING ANTI-SURFACE ARMAMENTS, ENGAGE SURFACE THREATS.</b>					
SUW 1.6 Engage surface ships with minor caliber (cal) gunfire (i.e., 25 millimeter (mm), 20mm, .50 cal).  IIM(L) - Man single mount.  IV, V(L) - Plan and train.	F	L/E	F/A	L	L
SUW 1.9 Engage surface ships with small arms gunfire.  I, IIM(L) - Requires securing personnel from other condition I or IIM stations.  IV, V(L) - Plan and train.	L	L/E	F/A	L	L

MCM 1 Class	I/I M	IIM	III	IV	V
<b>SUW 4 DETECT, IDENTIFY, LOCALIZE, AND TRACK SURFACE SHIP TARGETS.</b>					
SUW 4.1 Detect, localize, and track surface contacts with radar.  V(L) - Plan and train.	F	F	F	F	L
SUW 4.4 Detect, identify, classify and track surface contacts visually.  V(L) - Plan and train.	F	F	F	F	L
SUW 4.7 Identify surface contacts.  V(L) - Plan and train.	F	F/A	F/A	F/A	L
SUW 4.13 Detect, identify, and track surface contacts with night vision goggles.  V(L) - Plan and train.	F	F	F	F	L
<b>SUW 6 DISENGAGE, EVADE AND AVOID SURFACE ATTACK.</b>					
SUW 6.2 Employ evasion techniques.  V(L) - Plan and train.	F		F	F	L
SUW 6.3 Employ EMCON procedures.  V(L) - Plan and train.	F	F	F	F	L
<b>SUW 14 REPAIR OWN UNIT'S SUW EQUIPMENT.</b>  I, IIM(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I/IIM stations.	L	L/A	F	F	F