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N95  
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OPNAV INSTRUCTION 3501.133F

From: Chief of Naval Operations

Subj: REQUIRED OPERATIONAL CAPABILITIES AND PROJECTED  
OPERATIONAL ENVIRONMENT FOR MOBILE DIVING AND SALVAGE  
UNITS

Ref: (a) OPNAVINST C3501.2K (NOTAL)  
(b) NWP 1-03.3  
(c) OPNAVINST F3501.97H  
(d) NWP 4-12

Encl: (1) Projected Operational Environment (POE) for Mobile  
Diving and Salvage Units (MDSU)  
(2) Required Operational Capabilities (ROC) for Mobile  
Diving and Salvage Units (MDSU)

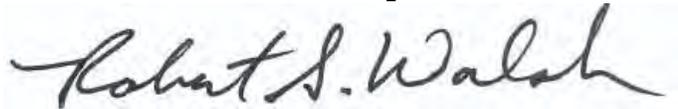
1. Purpose. To issue the required operational capabilities (ROC) and the projected operational environment (POE) for mobile diving and salvage units (MDSU). This instruction is being reissued with a new date, updated version and signature authority to meet the Chief of Naval Operations' (CNO) age requirement for the Office of the Chief of Naval Operations (OPNAV) instructions.

2. Cancellation. OPNAVINST F3501.133E.

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 the MDSU and their companies are responsible. This instruction provides resource agencies information concerning the MDSU mission requirements, capabilities, and the types and locations of expected operations. Together, the ROC and POE establish tasking which produces a measurable workload used to compute personnel requirements for fleet manpower documents (FMD). Enclosure (2) shall be used in determining specific mission area M-ratings reported per reference (b). Explosive ordnance disposal (EOD) group planning and directing requirements for administering the MDSU ROC/POE functions are delineated per references (c) and (d).

4. Action. Fleet commanders shall periodically review enclosures (1) and (2) and recommend changes to the Director, Expeditionary Warfare (OPNAV N95) (Attn: Expeditionary Combat (N957)) when capabilities of MDSU or their companies are significantly altered. Change recommendations should include comments on the expected FMD impact.

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  
MOBILE DIVING AND SALVAGE UNITS (MDSU)

1. Provide fleet commanders and Navy component commanders planning, administration, direction and training of fully capable and equipped mobile diving and salvage (MDS) companies to remove obstructions restricting access to ports, piers, and waterways, assist vessels in distress, conduct salvage of ships and aircraft, locate and recover other objects of value, and conduct antiterrorist/force protection (AT/FP) diving. Additionally, MDSU TWO provides an area search platoon (ASP) manned, trained, and equipped to conduct side scan sonar and limited unmanned underwater vehicle (UUV) operations.
2. The most demanding operating environment anticipated for the MDSU Headquarters (MDSU HQ) is operations as a commander task group (CTG)/commander task unit (CTU) to plan, coordinate and direct combat harbor clearance, AT/FP diving missions, salvage and recovery operations, and other assigned mission areas in direct support of joint, naval or combined task force, operating afloat or ashore during combat in climate extremes ranging from arctic, tropical, or desert.
3. The most demanding operating environment anticipated for a MDS company and the ASP is in a foreign country, during wartime, performing underwater salvage, emergent underwater inspection and repair, underwater search or underwater AT/FP operations, operating in climate extremes ranging from arctic, tropical, or desert to limited operations in a chemical, biological, and radiological (CBR) contaminated environment.
4. MDSU provides command, control, communication and computers (C4) elements task organized to deploy as a CTG/CTU and operate afloat or ashore in a field environment to plan, coordinate, and direct combat harbor clearance, AT/FP missions (hull and pier search), diving and salvage operations, and other assigned mission areas in direct support of joint, naval or combined task force commanders. When deployed as a CTG/CTU, the CTG/CTU shall have operational control and tactical control, when assigned, for subordinate units and provide connectivity with the supported commander for assigned MDS companies and any combination of joint forces. The command and control (C2) element shall provide administrative, medical, and operational

support (logistics, intelligence, publications and operational manpower) and normally consist of the commanding officer and command master chief, with the remainder of the C4 element composed of personnel from the executive, medical, operations, readiness departments and augmentation from EOD expeditionary support unit (ESU). Additionally, MDSU shall maintain the capability to conduct normal operations to support deployable MDS companies (send and receive message traffic, establish voice or data connectivity with deployed companies) when the C4 element is deployed.

5. MDSU provides a HQ element that shall train, equip, and organize subordinate elements through coordination with the EOD training and evaluation unit and ESU to conduct fleet and joint level operations and exercises, as well as contingency operations. The HQ element includes executive (administrative and support services), supply and logistics, medical, maintenance and material, and readiness and training departments.

6. MDSU provides MDS companies for rapid deployment as specialized teams to conduct underwater emergency/battle damage repair; salvage missions to recover ships, aircraft or other objects of value; harbor clearance services for the removal of vessels and objects obstructing ports, piers and access to waterways and facilities; underwater search and survey; AT/FP; and surface-supplied air, mixed-gas, and scuba diving operations. MDS companies must be capable of operating ashore or at sea onboard U.S. Navy, Military Sealift Command (MSC) or other vessels of opportunity. Normal manning for an MDS company is one officer (Lieutenant/Lieutenant Junior Grade (LT/LTJG) 1140 or Chief Warrant Officer (CWO3) 7200 9313/9314/KN1) and 16 enlisted as follows: Senior Chief Navy Diver ((NDCS 5341 (1)), Chief Navy Diver (NDC 5342 (2), First Class Navy Diver (ND1) 5342 (3), First Class Hospital Corpsman (HM1) 8494 (1)), Second Class Navy Diver (ND2) 5343 (3)), Second Class Construction Mechanic (CM2) (1)), and Third Class Navy Diver (ND3) 5343 (5)).

7. The MDS company provides rapid deployable, fly-away, conventional air man carried and diving systems for operations to 190 feet of seawater (FSW). When required, a deeper dive capability utilizing mixed-gas, helium/oxygen man carried and/or surface supplied mobile diving systems for operations to 300 FSW and/or more robust missions may be facilitated via equipment

provided by the MDSU HQ, or through in theater emergency ship salvage material pools and ESU.

8. MDSU TWO provides an ASP capable of conducting side scan sonar and UUV operations in support of MDSU and EOD missions. Normal manning for an ASP is: one officer (CWO 7200/9278) and seven enlisted; Senior Chief Quartermaster (QMCS) (1)), Chief Petty Officer (CPO) 9550/0342 (1)), First Class Petty Officer (PO1) 9550/0342 (1)), PO1 9550 (1)), Second Class Engineman (EN2) 4313 (1)), Second Class Electronic Technician (ET2) 9550 (1)), and Third Class Boatswain's Mate (BM3) (1)).

9. MDSU ONE provides an EOD shore-based detachment (DET) MDSU ONE EOD DET Middle Pacific (MIDPAC) capable of eliminating hazards from aviation, surface, ground, and improvised ordnance, and providing diving and demolition services to eliminate hazards from subsurface and mine ordnance. It is also capable of conducting UUV operations in support of fleet missions. They are capable of performing assigned missions in all weather conditions and CBR contaminated environments on land and underwater. DET MIDPAC supports the Naval Region Commander, Homeland Defense and contingency operations (aircraft recovery, range/waterway clearance, U.S. Secret Service support, CNO projects, Homeland Defense contingencies etc.) EOD DET MIDPAC's capabilities and normal manning are described per reference (c).

REQUIRED OPERATIONAL CAPABILITIES (ROC)  
FOR  
MOBILE DIVING AND SALVAGE UNITS (MDSU)

1. Mission. The mission of a MDSU is to direct highly mobile, fully trained and equipped companies/platoons to perform underwater emergency/battle damage repair and combat harbor clearance/search and expeditionary operations, including: Diving, salvage, repair, underwater ship's husbandry, rescue and assistance, and demolition in ports or harbors and at sea onboard U.S. and foreign military ship/craft and commercial vessels of opportunity in wartime or peacetime. MDSU ONE is comprised of five MDS companies and EOD DET MIDPAC. MDSU ONE's EOD capabilities and EOD DET MIDPAC's capabilities are described per reference (c). MDSU TWO is comprised of six MDS companies, and one ASP. Two explosive ordnance disposal mobile units (EODMU) have MDS companies in addition to their reference (c) capabilities. EODMU THREE has one MDS company. EODMU ELEVEN has one MDS company. As a result, the following primary and secondary warfare mission areas are assigned:

MOBILE DIVING AND SALVAGE UNITS											
AMW	CCC	CON	EXW	EW	FHP	FSO	INT	IO	MOB	MOS	NCO
S	P	S	P	S	S	P	S	S	P	S	P
AMW: amphibious warfare						FSO: fleet support operations					
CCC: command, control and communication						INT: intelligence operations					
CON: construction						IO: information operations					
EW: electronic warfare						MOB: mobility					
EXW: expeditionary warfare						MOS: missions of state					
FHP: force health protection						NCO: noncombat operations					

2. Readiness Capabilities and Modifiers. ROC symbols are used to specify the required level of readiness for a given capability, or other work for or during a particular readiness condition. Readiness normally applies to operations and/or evolutions, while other work refers to non-watch activity such as performing maintenance or training. MDSU and companies operate under a single condition of readiness. However, in hostile environments, the ability to conduct primary missions shall be degraded

unless additional support, such as security and defensive fortification, is provided by other forces.

a. Capabilities

(1) "F" = "Full." The capability is to be fully achieved. For operational functions (e.g., diving), this means that installed equipment or systems shall be fully manned to design capability. For support functions, sufficient manning is provided to ensure effective accomplishment of all included tasks. The capability is to be sustained for the duration of the condition or operation 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 or operation 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 requirements 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.

		CAPABILITY	
		FULL (F)	LIMITED (L)
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

3. Ship's Company and External Personnel Resources. Normally, using an "A" or an "E" requires no amplifying statement as their meanings are predefined. However, for host platforms or companies which routinely embark external resources, the meaning may not be clear as to whether the augmentation should be provided by the unit's personnel or an external resource.

4. Source of Personnel. This ROC/POE instruction shows:

a. Host unit ROC/POE instructions shall show MDSU functions as being performed by an embarked MDS company.

b. If the resource is unit's company, no elaboration or statement is provided.

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

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

REQUIRED OPERATIONAL CAPABILITIES

MOBILE DIVING AND SALVAGE UNITS		MDSU/ EODMU	MDS COMPANY	ASP
<b>AMPHIBIOUS WARFARE (AMW)</b>				
<b>AMW 7</b>	<b>PROVIDE AMPHIBIOUS ASSAULT CONSTRUCTION SUPPORT FOR SHIP-TO-SHORE OPERATIONS AND BEACH CLEARANCE.</b>			
AMW 7.4	Provide teams for beach clearance and beach salvage.  MDSU/EODMU (L) - Plan, direct, and train.  ASP (L) - Conduct UUV operations.	L	F	L
<b>AMW 10</b>	<b>CONDUCT BEACH PARTY OPERATIONS TO SUPPORT AN AMPHIBIOUS OPERATION.</b>			
AMW 10.2	Provide assault craft salvage services.  MDSU/EODMU (L) - Plan, direct, and train.  ASP (L) - Conduct UUV operations.	L	F	L
<b>AMW 13</b>	<b>PROVIDE THE NAVAL ELEMENT OF THE SHORE PARTY TO FACILITATE THE LANDING AND MOVEMENT OVER THE BEACHES OF TROOPS, EQUIPMENT AND SUPPLIES AND TO ASSIST THE EVACUATION OF CASUALTIES AND PRISONERS OF WAR (POW).</b>			

<p>AMW 13.2 Control/conduct salvage operations of landing craft between the surf line and the high water line.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>ASP (L) - Conduct UUV operations.</p>	L	F	L
<p><b>AMW 19 PERFORM AMW BATTLE DAMAGE ASSESSMENT (BDA) .</b></p>			
<p>AMW 19.1 Perform AMW BDA.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>ASP (L) - Perform assessment by providing video and photography as related to hull, structural, external damage.</p>	L	F	L
<p><b>AMW 23 CONDUCT ADVANCE FORCE OPERATIONS FOR AN AMPHIBIOUS OPERATION.</b></p>			
<p>AMW 23.2 Conduct advance force operations for an amphibious operation.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company, ASP (L) - Conduct overt hydrographic survey of littoral waterways in permissive and semi-permissive environments.</p>	L	L	L
<p><b>AMW 29 CONDUCT SECURITY OPERATIONS TO PROTECT U.S. PROPERTY AND NON-COMBATANTS IN HOSTILE AND NON-HOSTILE ENVIRONMENTS.</b></p>			

<p>AMW 29.2 Conduct security operations to protect U.S. property and non-combatants in hostile and non-hostile foreign environments.</p> <p>MDSU/EODMU (L) - Plan, direct and train.</p> <p>MDS company (L) - Conduct security swims.</p> <p>ASP (L) - Conduct UUV operations.</p>	L	L	L
<b>COMMAND, CONTROL AND COMMUNICATIONS (CCC)</b>			
<b>CCC 2 COORDINATE AND CONTROL THE OPERATIONS OF THE TASK ORGANIZATION OR FUNCTIONAL FORCE TO CARRY OUT ASSIGNED MISSIONS.</b>			
<p>CCC 2.15 Function as one or more of the following coordinators for forces or sector:</p> <p>(zz) Other: Underwater salvage.</p>	F	F	
<p>CCC 2.25 Coordinate and direct forces in response to battle damage/ catastrophe at sea.</p>	F		
<b>CCC 3 PROVIDE OWN UNIT'S C2 FUNCTIONS.</b>			
<p>CCC 3.3 Provide all personnel services, programs, and facilities to safeguard classified material and information.</p>	F	F	F
<p>CCC 3.4 Carry out emergency destruction of classified material and equipment rapidly and efficiently.</p>	F	F	F

CCC 3.11	Establish voice communications with supported forces.	F	F	F
<b>CCC 6</b>	<b>PROVIDE COMMUNICATIONS FOR OWN UNIT.</b>			
CCC 6.1	Maintain tactical voice communications.	F	F	F
CCC 6.6	Process messages.	F		
CCC 6.7	Maintain underwater communications.  MDSU/EODMU/MDS company (L) - Capability limited to set up, operation, and performance of preventive maintenance of the surface to diver and emergency underwater communications only.	L	L	
CCC 6.10	Maintain voice/teletype/computer data cryptographically covered satellite communication circuits.	F		
CCC 6.19	Provide tactical, secure voice or data communications.	F	F	F
<b>CCC 19</b>	<b>REPAIR OWN UNITS CCC EQUIPMENT.</b>  (L) - Perform basic troubleshooting and repair.	L	L	L
<b>CCC 25</b>	<b>ACTIVATE CRISIS ACTION PROCEDURES.</b>			
CCC 25.1	Establish an operational planning team.	F		
<b>CCC 27</b>	<b>CONDUCT CRISIS ACTION PLANNING.</b>	F		
<b>CONSTRUCTION (CON)</b>				
<b>CON 4</b>	<b>PERFORM SPECIALIZED CONSTRUCTION.</b>			

<p>CON 4.14</p>	<p>Provide rapid response to inspect and repair fleet inshore and undersea facilities/systems.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Inspect and conduct minor repairs only.</p> <p>ASP (L) - Inspect only.</p>	<p>L</p>	<p>L</p>	<p>L</p>
<p>CON 4.16</p>	<p>Perform hydrographic surveying operations using diver-operated tools and surface instruments.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Administrative surveys only in support of de-beaching/ship retraction and salvage operations.</p>	<p>L</p>	<p>L</p>	
<p>CON 4.19</p>	<p>Perform underwater inspection, maintenance or repair using submarine remotely operated vehicle (ROV).</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>Note: (ASP) - Inspection using UUV.</p>	<p>L</p>	<p>F</p>	<p>F</p>

CON 4.20	<p>Perform installation and repair of fleet and specialized moorings.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Repairs only.</p>	L	L	
<b>ELECTRONIC WARFARE (EW)</b>				
<b>EW 2</b>	<b>CONDUCT ELECTRONIC ATTACK (EA) OPERATIONS.</b>			
EW 2.12	<p>Conduct EA for self defense.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Counter radio controlled improvised explosive device electronic warfare (CREW) only.</p>	L	L	
<b>EXPEDITIONARY WARFARE (EXW)</b>				
<b>EXW 1</b>	<b>CONDUCT WATERBOURNE SECURITY OPERATIONS IN HARBORS, HARBOR APPROACHES, INSHORE, RIPARIAN, AND NEAR SHORE LITTORAL AREAS.</b>			
EXW 1.5	<p>Conduct patrols to counter waterborne threats as detailed by intelligence reports provided by higher authority.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Security swims only.</p> <p>ASP (L) - Conduct UUV operations.</p>	L	L	L

EXW 1.7	<p>Operate in coordination with other Navy Expeditionary Combat Command (NECC) units and naval/joint/combined forces in support of waterborne security.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Security swims only.</p> <p>ASP (L) - Conduct UUV operations.</p>	L	L	L
EXW 1.17	<p>Conduct expeditionary salvage operations.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>ASP (L) - Conduct UUV operations.</p>	L	F	L
<b>EXW 6 MAINTAIN EXPEDITIONARY COMMUNICATIONS CAPABILITY.</b>				
EXW 6.1	Set-up and maintain a mobile communications system.	F	F	
EXW 6.2	Maintain encrypted high frequency, very high frequency, ultra high frequency, and super high frequency voice and data communications.	F	F	
EXW 6.3	Establish voice communications with Marine Corps evacuation and command nets, Naval Support Activity (NSA), Air Force, Army, local law enforcement, and Homeland Defense nets.	F	F	

EXW 6.4	Operate expeditionary communications in coordination with other NECC units and naval/joint/combined forces.	F	F	
EXW 6.5	Conduct operational security (OPSEC).	F	F	
EXW 6.6	Conduct emission control (EMCON) as directed by higher authority.	F	F	
EXW 6.7	Conduct routine and preventative maintenance system (PMS) on a mobile communications system.	F	F	
EXW 6.8	Plan the force's tactical use of information systems, command, control, communications, computers, and intelligence (C4I) architecture, databases, and sensors.	F	F	
<b>EXW 8</b>	<b>MAINTAIN AND OPERATE ROV.</b>			
EXW 8.1	Conduct ROV operations.  (L) - Plan, direct, and train subordinate units.	L	F	F
EXW 8.4	Maintain communications data link with an ROV.  (L) - Plan, direct, and train subordinate units.	L	F	F
EXW 8.5	Analyze, integrate, and disseminate ROV surveillance data.  (L) - Plan, direct, and train subordinate units.	L	F	F
EXW 8.7	Conduct routine and PMS on ROV systems.  (L) - Train only.	L	F	F

<b>EXW 9</b>	<b>CONDUCT BASE CAMP OPERATIONS IN AN EXPEDITIONARY ENVIRONMENT</b>			
EXW 9.1	<p>Conduct a site survey to ascertain location, drainage/sanitation, security, access, and force integration.</p> <p>(L) - Training and exercises only. EOD ESU.</p>	F/E	L/E	
EXW 9.2	<p>Conduct liaison with host nation (HN) and other naval/joint/combined forces for support of base camp operations.</p> <p>MDSU/EODMU (L) - Training and exercises only. EOD ESU.</p>	L/E	L/E	
EXW 9.3	<p>Set-up appropriate field equipment including berthing tents, power generation/distribution, water/sanitation, security, damage control, medical and mess tents.</p> <p>MDSU/EODMU (L) - Training and exercises only. EOD ESU.</p>	L/E	L/E	
EXW 9.4	<p>Maintain base camp operations including power generation/distribution and water/sanitation.</p> <p>MDSU/EODMU (L) - Training and exercises only. EOD ESU.</p>	L/E	L/E	

<p>EXW 9.6 Plan/direct base camp operations in an expeditionary environment.</p> <p>MDSU/EODMU (L) - Training and exercises only. EOD ESU.</p>	L/E	L/E	
<b>EXW 10 CONDUCT C2 IN AN EXPEDITIONARY ENVIRONMENT.</b>			
EXW 10.1 Plan/direct EXW operations.	F		
EXW 10.2 Exercise C2 of EOD/MDS units when assigned.	F		
<p>EXW 10.8 Exercise C2 of NECC adaptive force package AT/FP, task force (TF), task group, task unit or other joint or combined TF or subordinate component.</p> <p>Note: EOD ESU.</p>	F/A		
<b>EXW 12 CONDUCT EXW SUPPORT OPERATIONS.</b>			
<p>EXW 12.1 Provide repair and inspection services for:</p> <p>(c) Unmanned vehicles (to include all ancillary support and weapons systems).</p> <p>(L) - Troubleshooting and PM for UUV and underwater ROV only.</p>	L	L	L
<p>EXW 12.2 Provide administrative services to subordinate units.</p> <p>Note: EOD ESU.</p>	F/E		
EXW 12.3 Provide automated data processing support to other units.	F		

EXW 12.4	Provide classified material storage for other units.	F		
EXW 12.5	Provide individual protective clothing and equipment to sufficiently protect personnel in a CBR contaminated environment.  Note: EOD ESU.	F/E		
<b>EXW 13</b>	<b>REPAIR OWN UNIT'S EXW EQUIPMENT.</b>  (L) - Repairs not requiring coordinated shipboard allowance list parts.	F	L	
<b>EXW 14</b>	<b>CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S EXW CAPABILITIES.</b>  (L) - Repairs not requiring COSAL parts.	F	L	
<b>FORCE HEALTH PROTECTION (FHP)</b>				
<b>FHP 1</b>	<b>PROVIDE AMBULATORY HEALTH CARE TO ASSIGNED AND EMBARKED PERSONNEL.</b>			
FHP 1.1	Provide routine/acute, and emergent ambulatory health services to individuals in an afloat or field environment:  (b) Independent duty hospital corpsman (IDC) (MDSU/EODMU/MDS company). (e) Medical officer (MDSU/EODMU).	F	F	

FHP 1.2	Conduct periodic physical examinations:  (c) Medical officer (diving medical officer).  MDSU/EODMU (L) - No lab or x-ray capability.	L		
FHP 1.4	Provide medical care, triage and resuscitation commensurate with credentialed health care provider:  (a) IDC (MDSU/EODMU/MDS company). (c) Medical officer (MDSU/EODMU).	F	F	
<b>FHP 9 PROVIDE FIRST AID ASSISTANCE.</b>				
FHP 9.1	Identify, equip, and maintain appropriate first aid spaces.  (L) - Provide subject matter expert (SME).	F	L	
FHP 9.2	Train assigned and embarked personnel in first aid, self and buddy aid procedures.  (L) - Provide SME.	F	L	
FHP 9.3	Train stretcher bearers.  (L) - Provide SME.	F	L	
<b>FHP 10 PROVIDE TRIAGE OF CASULTIES/PATIENTS.</b>				
FHP 10.1	Identify, equip, and maintain suitable triage spaces.  (L) - Provide SME.	F	L	

FHP 10.2	Train assigned and embarked personnel in triage care.  (L) - Provide SME.	F	L	
<b>FHP 18</b>	<b>PROVIDE AVIATION/DIVING MEDICINE SERVICES.</b>			
FHP 18.1	Conduct physical and psychological examinations of candidate and aeronautically designated personnel:  (L) - Diving physical exams only.	L		
FHP 18.9	Provide treatment for decompression sickness and other accidents.	F	F	
FHP 18.10	Participate in diving exercise and submarine escapes to observe and treat personnel for physical and psychological effects of pressure variations and toxic effects of breathing media.	F	F	
FHP 18.16	Provide diving medical officer to respond to diving casualties.	F		
FHP 18.17	Provide recompression chamber services.	F	F	
<b>FHP 23</b>	<b>PROVIDE MEDICAL CARE TO ASSIGNED AND EMBARKED PERSONNEL.</b>			
FHP 23.1	Conduct sick call.	F	F	
FHP 23.2	Conduct physical examinations.  (L) - No lab or x-ray capability.	L	L	
FHP 23.5	Conduct sanitation and safety inspections.	F	F	

<p>FHP 23.9 Conduct associated administrative/maintenance services:</p> <p>(a) Maintain adequate medical supplies for appropriate level health care.</p> <p>(d) Perform routine medical administrative services.</p>	F	F	
<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>(L) - Supports high risk training and diving evolutions.</p>	L	L	
<p>FHP 23.17 Identify, equip, and maintain suitable spaces to provide medical care.</p> <p>MDSU/EODMU (L) - Limited to sick call and diving related issues.</p> <p>MDS company (L) - Provide SME.</p>	L	L	
<p>FHP 23.18 Identify, equip, and maintain adequate storage spaces for medical equipment and medical supplies.</p> <p>MDS company (L) - Provide SME.</p>	F	L	

<p>FHP 23.19 Provide medical care, triage and resuscitation commensurate with health care provider credentials using the following personnel:</p> <p>(a) IDC (MDSU/EODMU/MDS company). (c) Medical officer (MDSU/EODMU).</p>	F	F	
<b>FLEET SUPPORT OPERATIONS (FSO)</b>			
<b>FSO 1 REPAIR AND OVERHAUL SHIPS, AIRCRAFT AND ASSOCIATED EQUIPMENT.</b>			
<p>FSO 1.1 Provide the following services:</p> <p>(i) Rigging and handling. (q) Photography (including underwater photography, underwater color video tape photography). (u) Diving services, to include emergency hull inspections and minor underwater repair.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>ASP (L) - Photography operations only.</p>	L	F	L

<p>FSO 1.5</p>	<p>Provide inspection, repair, test, calibration and recertification services for diving systems.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Conduct unit level maintenance and minor repair.</p>	<p>L</p>	<p>L</p>	
<p>FSO 1.7</p>	<p>Provide quality assurance and control services.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Diver life support system quality assurance program only.</p>	<p>L</p>	<p>L</p>	
<p>FSO 1.8</p>	<p>Provide inspection, repair, test, flush purging, and calibration services for air, gas and hydraulic fluid systems.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Minor repair for life support air and gas systems only.</p>	<p>L</p>	<p>L</p>	

<p>FSO 1.14</p>	<p>Provide inspection, test, calibration or repair services for:</p> <p>(ak) Craft repair. (as) Sonar. (ax) Divers. (zz) Other - shafting; rudders; screws; zinc.</p> <p>MDSU/EODMU (L) - Plan, direct and train.</p> <p>MDS company (L) - Diver support of underwater inspection and repair only.</p> <p>ASP (L) - Conduct limited video inspection.</p>	<p>L</p>	<p>L</p>	<p>L</p>
<p><b>FSO 3 PROVIDE SUPPORT SERVICES TO OTHER UNITS.</b></p>				
<p>FSO 3.4</p>	<p>Conduct diver proficiency and requalification/recertification training.</p> <p>MDSU/EODMU/MDS company (L) - Can conduct diver proficiency and re-qualification training only.</p>	<p>L</p>	<p>L</p>	

<p>FSO 3.5</p>	<p>Provide deep and shallow water diving services, including the maintenance and operation of the deep diving system.</p> <p>MDSU/EODMU (L) - Plan, direct, and train diving operations to 300 FSW.</p> <p>MDS company (L) - Diving operations to 300 FSW when fly away mixed gas system or Mk-16s assigned from MDSU.</p>	<p>L</p>	<p>L/A</p>	
	<p>FSO 3.14</p> <p>Provide fly-away air diving system support.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	<p>L</p>	<p>F</p>	
<p><b>FSO 5 CONDUCT TOWING/SEARCH/SALVAGE/RESCUE OPERATIONS.</b></p>				
<p>FSO 5.2</p>	<p>Conduct salvage operations.</p> <p>MDSU/EODMU (L) - Plan, direct and train.</p> <p>ASP (L) - Conduct UUV search operations.</p>	<p>L</p>	<p>F</p>	<p>L</p>
<p>FSO 5.9</p>	<p>Conduct underwater search operations with divers to unit's depth capability.</p> <p>MDSU/EODMU (L) - Plan, direct and train.</p>	<p>L</p>	<p>F</p>	

<p>FSO 5.11</p>	<p>Conduct underwater search operations using towed and/or hull mounted sonar and/or magnetometer.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Towed side scan only.</p>	<p>L</p>	<p>L</p>	<p>F</p>
<p>FSO 5.12</p>	<p>Conduct underwater search operations with video and/or still cameras.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	<p>L</p>	<p>F</p>	<p>F</p>
<p>FSO 5.13</p>	<p>Conduct underwater search operations using diver held sonar and/or magnetometer.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>ASP (L) - Magnetometer only.</p>	<p>L</p>	<p>F</p>	<p>L</p>
<p>FSO 5.14</p>	<p>Conduct limited mobile salvage operations (helium/oxygen mixed gas diving operations to 300 feet).</p> <p>MDSU/EODMU (L) - Plan, direct, equip, and train.</p> <p>Note: Fully capable when augmented with the fly away mixed gas system.</p>	<p>L</p>	<p>F/A</p>	

<p>FSO 5.15</p>	<p>Plan/direct towing, search, salvage and/or rescue operations.</p> <p>MDSU/EODMU/MDS company (L) - Plan/direct towing, search and salvage operations.</p> <p>ASP (L) - Conduct UUV search operations.</p>	<p>L</p>	<p>L</p>	<p>L</p>
<p>FSO 5.16</p>	<p>Conduct salvage operations in support of port recovery/harbor clearance.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>ASP (L) - Conduct underwater search on salvage mission items of interest.</p>	<p>L</p>	<p>F</p>	<p>L</p>
<p>FSO 5.17</p>	<p>Prepare a vessel or craft to be towed.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	<p>L</p>	<p>F</p>	
<p>FSO 5.18</p>	<p>Augment a towing vessel in the conduct of towing operations.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	<p>L</p>	<p>F</p>	

<p>FSO 5.20</p>	<p>Maintain personnel qualified to conduct diving operations on nuclear powered vessels.</p> <p>MDSU/EODMU (L) - Plan, direct, and train</p> <p>MDS company (L) - Based on vessel's radiation control limitations.</p>	<p>L</p>	<p>L</p>	
<p>FSO 5.21</p>	<p>Maintain the capability to employ explosives in the conduct of salvage operations.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	<p>L</p>	<p>F</p>	
<p><b>FSO 6 SUPPORT/CONDUCT SEARCH AND RESCUE (SAR) OPERATIONS IN A COMBAT/ NON-COMBAT ENVIRONMENT.</b></p>				
<p>FSO 6.6</p>	<p>Conduct SAR operations (including operations involving submarine disasters/rescues).</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Provide diver support and dive systems in support of.</p> <p>ASP (L) - Search operations only.</p>	<p>L</p>	<p>L</p>	<p>L</p>
<p><b>FSO 7 PROVIDE EOD SERVICES.</b></p>				

<p>FSO 7.14 Locate/detect underwater ordnance.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Diver visual detection only.</p> <p>ASP (L) - ROV/side scan operations only.</p>	L	L	L
<p>FSO 7.16 Conduct self-contained underwater breathing apparatus diving operations.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	L	F	
<p>FSO 7.17 Conduct surface supplied diving operations to unit's depth capability.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	L	F	
<p>FSO 7.26 Coordinate ship hull searches to detect limpet mines using divers.</p>	F	F	
<p>FSO 7.30 Conduct port recovery/harbor clearance operations.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	L	F	
<p><b>FSO 20 PROVIDE FLEET TRAINING SERVICES.</b></p>			
<p>FSO 20.22 Recover non-service mines and mine simulators.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	L	F	

<p>FSO 20.24 Provide technical guidance, training, and assistance to fleet units in underwater ship salvage and aircraft recovery.</p> <p>MDSU/EODMU (L) - Provide technical guidance and assistance.</p>	L	F	
<p>FSO 20.25 Provide technical guidance, training, and assistance to fleet units in underwater cutting and welding operations.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Provide emergent cutting/welding as required.</p>	L	L	
<p>FSO 20.32 Provide evaluation and training of master diver candidates prior to assignment of orders to master diver school.</p> <p>MDS company (L) - Provide diver support.</p>	F	L	
<p>FSP 20.33 Provide technical guidance, training, and assistance to fleet units in underwater hull husbandry.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Conduct emergent and battle damage repair.</p>	L	L	

FSO 20.34	Provide technical guidance, training and assistance to fleet units in diving operations, including recompression chamber services.	F	F	
<b>FSO 46</b>	<b>MONITOR ASSIGNED UNITS' ADMINISTRATIVE PROCEDURES.</b>	F		
<b>FSO 47</b>	<b>MONITOR ASSIGNED UNITS' OPERATIONAL PROCEDURES.</b>	F		
<b>FSO 48</b>	<b>MONITOR ASSIGNED UNITS' MATERIAL READINESS.</b>	F		
<b>FSO 51</b>	<b>REPAIR OWN UNITS FSO-RELATED EQUIPMENT.</b>  (L) - Perform non-depot level repairs.	L	L	L
<b>FSO 55</b>	<b>MAINTAIN READINESS BY PROVIDING FOR TRAINING OF OWN UNITS PERSONNEL.</b>	F		
<b>INTELLIGENCE OPERATIONS (INT)</b>				
<b>INT 1</b>	<b>SUPPORT/CONDUCT INTELLIGENCE COLLECTION.</b>			
INT 1.12	Collect human intelligence information.  (L) - Limited to overt interaction with foreign nations.	L	L	L
<b>INT 2</b>	<b>PROVIDE INTELLIGENCE.</b>			
INT 2.2	Evaluate and disseminate intelligence information.  Note: EOD ESU.	F/E		

INT 2.4	Establish and maintain access to service and national intelligence sources to include national theater, and other tactical automated data sources up to the top secret/sensitive compartmented information level for operational intelligence support.  Note: EOD ESU.	F/E		
<b>INFORMATION OPERATIONS (IO)</b>				
<b>IO 4</b>	<b>PLAN AND IMPLEMENT OPSEC MEASURES.</b>			
IO 4.1	Implement appropriate/directed electromagnetic/acoustic EMCON.	F	F	F
IO 4.2	Transition rapidly from one EMCON condition to another.	F	F	F
IO 4.3	Monitor own unit compliance with EMCON condition in effect.	F	F	F
IO 4.11	Plan, coordinate, and control implementation of OPSEC measures.	F		
IO 4.12	Execute OPSEC measures.	F	F	F
IO 4.13	Conduct training of personnel on OPSEC terminology and procedures.	F		
<b>IO 12</b>	<b>DIRECT/PERFORM FUNCTIONS OF IO COMMANDER</b>			
IO 12.6	Plan/direct group/task force or naval/joint/combined IO operations.	F		

<p>IO 12.12 Collect, integrate, evaluate, and disseminate tactical threat information within the assigned area of operations (AO).</p> <p>(L) - Limited to disseminate tactical threat information to subordinate units when deployed as a CTG. EOD ESU.</p>	L/E		
<p>IO 12.15 Coordinate with the staff intelligence officer U.S. Cyber Command, Director, of Intelligence (N2/J2) to provide indications and warnings to the force.</p> <p>Note: EOD ESU.</p>	F/E		
<b>MOBILITY (MOB)</b>			
<b>MOB 3 PREVENT AND CONTROL DAMAGE.</b>			
<p>MOB 3.1 Control fire, flooding, electrical, structural, propulsion, and hull/airframe casualties.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Provide diving and salvage assist to control flooding, structural, and hull casualties.</p>	L	L	
<p>MOB 3.6 Conduct underwater hull security inspections.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p>	L	F	F
<b>MOB 8 OPERATE FROM A SHIP.</b>			

MOB 8.2	Operate from a ship with a helicopter platform.	F	F	F
MOB 8.4	Operate from combatant craft.	F	F	F
MOB 8.6	Operate from merchant ships and indigenous craft.  Note: Includes salvage ship and fleet ocean tug (T-ARS/T-ATF) type platforms.	F	F	F
MOB 8.8	Operate from a well deck equipped amphibious ship.	F	F	F
MOB 8.10	Operate from utility and amphibious craft supporting construction operations.	F	F	F
MOB 8.11	Operate from an auxiliary submarine rescue ship.	F	F	F
MOB 8.12	Operate from amphibious assault ships (LHD), (LHA), (LPH).	F	F	F
MOB 8.13	Operate from a tender.	F	F	F
<b>MOB 11 MAINTAIN MOUNT-OUT CAPABILITIES.</b>				
MOB 11.1	Deploy with organic allowance within designated time period.  Note: MDSU TWO and subordinate units require support from EOD ESU TWO.	F/E	F/E	F/E
MOB 11.2	Mount-out selected elements/companies.  Note: MDSU TWO and subordinate units require support from EOD ESU TWO.	F/E	F/E	F/E

<p>MOB 11.3 Maintain capability for rapid airlift of unit/detachment as directed.</p> <p>Note: MDSU TWO and subordinate units require support from EOD ESU TWO.</p>	F/E	F/E	F/E
<p>MOB 11.5 Maintain capability for rapid ground conveyance of unit/detachment.</p> <p>Note: MDSU TWO and subordinate units require support from EOD ESU TWO.</p>	F/E	F/E	F/E
<b>MOB 14 CONDUCT OPERATIONS ASHORE.</b>			
<p>MOB 14.1 Operate in climatic extremes ranging from severe cold weather to hot-humid (tropical) to hot-dry (desert) and coastal/ocean environments.</p>	F	F	F
<p>MOB 14.2 Operate in rear of combat zone in afloat pre-positioning force or Marine expeditionary brigade operation.</p>	F	F	F
<p>MOB 14.4 Move up to 10 percent of operating equipment using organic motor transport assets.</p> <p>Note: MDSU TWO and subordinate units require support from EOD ESU TWO.</p>	F/E	F/E	F/E
<p>MOB 14.6 Conduct limited local security defensive combat operations.</p> <p>(L) - Provide own unit, company, platoon security.</p>	L	L	L

MOB 14.7	Provide qualified personnel to conduct site survey.	F	F	F
<b>MOB 17</b>	<b>PERFORM ORGANIZATIONAL LEVEL REPAIRS TO OWN UNIT'S MOB EQUIPMENT.</b>	F/E	F/E	F/E
	Note: MDSU TWO and subordinate units require support from EOD ESU TWO.			
<b>MISSIONS OF STATE (MOS)</b>				
<b>MOS 1</b>	<b>PERFORM NAVAL DIPLOMATIC PRESENCE OPERATIONS.</b>			
MOS 1.2	Conduct force/unit tour for foreign dignitaries.	F	F	F
MOS 1.3	Conduct systems/weapons demonstrations for foreign dignitaries.	F	F	F
MOS 1.4	Conduct foreign port calls.	F	F	F
MOS 1.8	Participate in military exercises with allied nations.	F	F	F
MOS 1.9	Participate in military exercises with non-allied nations.	F	F	F
<b>MOS 2</b>	<b>PROVIDE HUMANITARIAN ASSISTANCE.</b>			
MOS 2.2	Provide emergency flooding/firefighting assistance.  MDSU/EODMU (L) - Plan, direct, and train.  MDS company (L) - When embarked aboard a T-ARS/T-ATF, augment MSC crew personnel during casualty control operations.	L	L	

<p>MOS 2.4 Provide disaster assistance and evacuation.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Diving, salvage and organic small boat support.</p> <p>ASP (L) - Conduct UUV operations.</p>	L	L	L
<p><b>MOS 16 FOREIGN HUMANITARIAN ASSISTANCE (FHA)</b></p>			
<p>MOS 16.2 Conduct disaster relief support operations.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Diving, salvage and organic small boat support.</p> <p>ASP (L) - Conduct UUV operations.</p>	L	L	L
<p>MOS 16.4 Conduct FHA.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Diving, salvage and organic small boat support.</p> <p>ASP (L) - Conduct UUV operations.</p>	L	L	L

MOS 16.5	Conduct humanitarian and civic assistance operations.  MDSU/EODMU (L) - Plan, direct, and train.  MDS company (L) - Diving, salvage and organic small boat support.  ASP (L) - Conduct UUV operations.	L	L	L
<b>MOS 22</b>	<b>SUPPORT THE DEVELOPMENT AND MAINTENANCE OF CIVIL-MILITARY RELATIONSHIPS.</b>			
MOS 22.1	Support theater security cooperation planning and activities within U.S. military forces, U.S. government agencies, other government agencies, HN, international organizations and/or non-government organizations.	F		
<b>NONCOMBAT OPERATIONS (NCO)</b>				
<b>NCO 2</b>	<b>PROVIDE ADMINISTRATIVE AND SUPPLY SUPPORT FOR OWN UNIT.</b>			
NCO 2.1	Provide supply support services.  Note: MDSU TWO requires support from EOD ESU TWO.	F/E		
NCO 2.2	Provide clerical services.	F		
NCO 2.7	Provide inventory and custodial services.	F	F	F
<b>NCO 3</b>	<b>PROVIDE UPKEEP AND MAINTENANCE OF OWN UNIT.</b>			

NCO 3.1	Provide organizational level preventive maintenance.	F	F	F
NCO 3.2	Provide organizational level corrective maintenance.	F	F	F
NCO 3.3	Provide small arms storage area.  Note: MDSU TWO requires support from EOD ESU TWO.	F/E		
<b>NCO 9</b>	<b>SUPPORT/CONDUCT SPACE VEHICLE OPERATIONS.</b>			
NCO 9.3	Support/perform sea recovery of space vehicle.  MDSU/EODMU (L) - Plan, direct, and train.  ASP (L) - Search only.	L	F	L
<b>NCO 10</b>	<b>PROVIDE EMERGENCY/DISASTER ASSISTANCE.</b>			
NCO 10.1	Provide emergency flooding/firefighting assistance to another unit.  MDSU/EODMU (L) - Plan, direct, and train.  MDS company (L) - When embarked aboard a T-ARS/T-ATF, augment MSC crew personnel during casualty control operations.	L	L	
<b>NCO 18</b>	<b>CONDUCT SURFACE AIDS TO NAVIGATION OPERATIONS.</b>			

<p>NCO 18.4</p>	<p>Recover or mark lost or destroyed aids.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company, ASP (L) - Assist USCG as directed.</p>	<p>L</p>	<p>L</p>	<p>L</p>
<p><b>NCO 25 CONDUCT MARINE ENVIRONMENTAL PROTECTION.</b></p>				
<p>NCO 25.1</p>	<p>Detect oil or hazardous chemical spill.</p>	<p>F</p>	<p>F</p>	
<p>NCO 25.2</p>	<p>Report spills to proper authority.</p>	<p>F</p>	<p>F</p>	
<p>NCO 25.3</p>	<p>Conduct pollution abatement operations.</p> <p>MDSU/EODMU (L) - Plan, direct, and train.</p> <p>MDS company (L) - Provide assistance as directed.</p>	<p>L</p>	<p>L</p>	

