



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, D.C. 20350-2000

IN REPLY REFER TO
OPNAVINST 3501.136B
N42
13 Nov 07

OPNAV INSTRUCTION 3501.136B

From: Chief of Naval Operations

Subj: REQUIRED OPERATIONAL CAPABILITIES (ROC) AND PROJECTED
OPERATIONAL ENVIRONMENT (POE) FOR T-ARS 50 (SAFEGUARD)
CLASS SALVAGE SHIPS, MSC MANNING

Ref: (a) OPNAVINST C3501.2K
(b) NTPP 1-03.3 (series)

Encl: (1) Projected Operational Environment for T-ARS 50
(SAFEGUARD) Class Salvage Ships with MSC manning
(2) Required Operational Capabilities for T-ARS 50
(SAFEGUARD) Class Salvage Ships with MSC manning

1. Purpose. To issue the Required Operational Capabilities (ROC) and the Projected Operational Environment (POE) for T-ARS 50 (SAFEGUARD) Class Salvage Ships with MSC manning.

2. Cancellation. OPNAVINST C3501.136A.

3. Discussion. Enclosures (1) and (2) have been prepared in accordance with reference (a). The ROC/POE provide the necessary details to describe the mission areas, environment and operational capabilities for which the T-ARS 50 Class was designed and organized as required by reference (a). This instruction provides resource agencies information concerning T-ARS 50 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 manpower requirements. Enclosure (2) will be used to determine required operational capabilities within each primary and secondary mission area. Primary mission area readiness ratings (M-Ratings) should be reported utilizing Status of Resources and Training System Joint Report-Navy (SORTSREPN) in accordance with reference (b).

4. Action. Fleet Commanders shall periodically review enclosures (1) and (2) and submit changes to the Chief of Naval

13 Nov 07

Operations (Attn: N42) when capability of the T-ARS 50 Safeguard Class Salvage Ship is significantly altered. Change recommendations should include comments on the expected Activity Manpower Document (AMD) impact.



M. K. LOOSE

Vice Admiral, CEC, U.S. Navy
Deputy Chief of Naval Operations
(Fleet Readiness and Logistics)

Distribution:

Electronic only, via Navy Directives Web site

<http://doni.daps.dla.mil>

**PROJECTED OPERATIONAL ENVIRONMENT (POE)
FOR
T-ARS 50 (SAFEGUARD) CLASS SALVAGE SHIPS WITH MSC MANNING**

1. The most demanding operating environment anticipated for the T-ARS 50 is operations at sea in wartime in cooperation with designated joint/allied forces.
2. Peacetime forward operations in littoral areas are also demanding. 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. In an era characterized by the proliferation of sophisticated weaponry, coupled with the advance of the global war on terrorism, surprise attack can be anticipated by submarines, coastal missiles, mines, sea-skimming cruise missiles, theater ballistic missiles, terrorist and other asymmetrical threats. A substantial percentage of operations will be conducted within the highly variable littoral environment during joint/allied scenarios.
3. T-ARS 50 Class is capable of performing all defensive functions simultaneously while maintaining readiness condition I. Requires embarked Mobile Security Force.
4. T-ARS 50 Class is capable of performing other functions, which are not required to be accomplished simultaneously.
5. T-ARS 50 Class is capable of maintaining readiness condition III at sea.
6. T-ARS 50 Class is capable of performing salvage, diving and emergency towing at sea operations. Repairs can be performed if augmented with material, equipment, and personnel.
7. T-ARS 50 Class is capable of performing all maintenance for which ship's company is assigned responsibility.
8. T-ARS 50 Class is capable of providing fire fighting assistance to other ships.

**REQUIRED OPERATIONAL CAPABILITIES (ROC)
FOR
T-ARS 50 (SAFEGUARD) CLASS SALVAGE SHIPS**

1. The T-ARS 50 Class ship's mission, Fleet Support Ships, is to provide salvage, diving and rescue services to the fleet at sea. Accordingly, the following primary and secondary warfare mission areas are assigned:

AW	ASU	FSO	INT	MIW	MOB	MOS	NCO
S	S	P	S	S	P	S	S

2. Required Operational Capabilities (ROCs) are reported under readiness conditions having major significance in determining the unit's total manpower requirements. The following summarizes conditions covered:

Condition I: Battle Readiness

While in Condition I (Battle Readiness), the ship shall be capable of meeting the following criteria: able to perform all defensive functions (defensive capability only when MSF embarked) simultaneously; able to keep all installed systems manned and operating for maximum effectiveness; required to accomplish only minimal maintenance - that routinely associated with watch standing and urgent repairs. Evolutions such as replenishment, law enforcement or helo operations are not applicable. The maximum expected continuous crew endurance for Condition I is 24 hours.

Condition IIS: Battle Readiness - Combat Salvage

Condition IIS is a special readiness condition applicable only to salvage and rescue ships. This is the highest state of salvage readiness in which enemy forces are present, imminent or a probable threat (Combat Salvage). Condition IIS is set for sustained diving, salvage, debeaching, and/or emergency towing operations. The embarked MSC crew and Mobile Diving and Salvage Unit (MDSU), are 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 salvage operations followed by 48 hours of Condition III operations to refuel, and to perform maintenance and urgent repairs. Only mission-essential urgent repairs are expected to be performed during Condition IIS.

Condition III: Wartime/Increased Tension/Forward Deployed
Cruising Readiness

Systems are manned to a level sufficient to counter possible threats. While in Condition III, the ship shall be capable of meeting the following criteria: able to keep installed systems manned and operating as necessary to conform with prescribed ROCs; able to accomplish all normal underway maintenance, support and administrative functions. The minimum expected crew endurance for Condition III is 60 consecutive days, with opportunity for 10 hours of rest provided per crew member per day.

Condition IV: Peacetime Cruising Readiness

While in Condition IV, the ship shall be capable of meeting the following criteria: able to keep installed systems manned and operating only to the extent necessary for safe and effective ship control, propulsion and security; able to accomplish all normal underway maintenance, support and administrative functions. Maximum advantage is taken of training opportunities. Expected endurance is not constrained by personnel. Ability to immediately change readiness posture to Condition I, IIS, or III is expected.

Condition V: Inport Readiness

Designated inport maintenance and training period. While in Condition V, the ship shall be capable of meeting the following criteria: able to keep installed systems manned and operating to the extent necessary for effective operation as dictated by the existing situation; able to man watch stations as required to provide adequate security; able at all times to meet anticipated inport emergencies and to perform inport functions as prescribed by unit ROCs; able to accomplish all required maintenance, support, and administrative functions. 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. 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.

CAPABILITIES

"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".

"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".

MODIFIERS

"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 including teams and details to achieve the required degree of capability. This symbol is always associated with a "F" or "L" and establishes a requirement for personnel to be trained, available and on call to augment existing watch stations as required.

"E" = **"Special Teams."** **Special teams include but are not limited to MDSU, EOD, etc.** The capability is to be either fully or partially achieved for the duration of the condition. The capability is achieved by using embarked special teams. This symbol is always associated with a "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.

13 Nov 07

MODIFIER	CAPABILITY	
	FULL	LIMITED
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 embarked special teams	Temporarily manned to less than design capacity using embarked special teams

Ship's Company and External Personnel Resources. In the case of the T-ARS 50 that routinely embark external resources, the meaning of the capability "E" modifier represents external personnel resources such as MDSU, EOD, etc. The specifics of the capabilities brought onboard by embarked forces is determined by that forces TYCOM and OPNAV sponsor, COMNECC and OPNAV N857, in the cases of MDSU and EOD. The ultimate alignment of non-TARS forces (I.E., MDSU and EOD) into the adaptive force packages implied in many of the ROC's is retained at COMMANDER EXPLOSIVE ORDNANCE GROUPS ONE and TWO and their respective Numbered Fleet Commanders.

This ROC/POE instruction shows:

- If the resource is ship's company, no elaboration or statement is provided. If the resource is external for "F," and "L" then the "E" modifier is used designating the requirement for embarked forces/teams.

13 Nov 07

REQUIRED OPERATIONAL CAPABILITIES

T-ARS 50 CLASS	I	IIS	III	IV	V
ANTI-AIR WARFARE (AAW)					
AAW 6 DETECT, IDENTIFY AND TRACK AIR TARGETS.					
AAW 6.2 Recognize by sight friendly and enemy aircraft. NOTE: air search radar not installed. III, IV(L) - Capability provided by bridge watch team.	L	L	L	L	L
ANTISURFACE SHIP WARFARE (ASU)					
ASU 1 USING ANTISURFACE ARMAMENTS, ENGAGE SURFACE THREATS.					
ASU 1.6 Engage surface ships with minor caliber gunfire (i.e., .50 cal). (E) 50 cal. capability requires embarked Mobile Security Forces. MDSU embarks with 5.56MM or 7.62MM LMG, such as M60/M240G. III(L) - One .50 cal mount manned. IV, V(L) - Plan and train.	F/E	L/E	L/E	L/E	L/E
ASU 4 DETECT, IDENTIFY, LOCALIZE AND TRACK SURFACE SHIP TARGETS.					
ASU 4.1 Detect, localize and track surface contacts with radar. V(L) Plan and train.	F	F	F	F	L
ASU 4.4 Detect, identify, classify and track surface contacts visually. V(L) Plan and train.	F	F	F	F	L

T-ARS 50 Class		I	IIS	III	IV	V
ASU 4.7	Identify surface contacts visually. V(L) Plan and train. Full capability requires augmentation from off-watch personnel.	F	F	F	F	F
ASU 6 DISENGAGE, EVADE AND AVOID SURFACE ATTACK						
ASU 6.2	Employ evasion techniques. V(L) Plan and train.	F	F	F	F	L
ASU 6.3	Employ EMCON procedures. V(L) Plan and train.	F	F	F	F	L
COMMAND, CONTROL AND COMMUNICATIONS (CCC)						
CCC 2 COORDINATE AND CONTROL THE OPERATIONS OF THE TASK ORGANIZATION OR FUNCTIONAL FORCE TO CARRY OUT ASSIGNED MISSIONS.						
CCC 2.8	Function as on-scene commander for a search and rescue (SAR) operation. V(L) - Plan and train.	F	F	F	F	L
CCC 3 PROVIDE OWN UNIT'S COMMAND AND CONTROL FUNCTIONS.						
CCC 3.3	Provide all personnel services, programs and facilities to safeguard classified material and information.	F	F	F	F	F

13 Nov 07

T-ARS 50 Class		I	IIS	III	IV	V
CCC 3.4	Carry out emergency destruction of classified material and equipment rapidly and efficiently. IIS, III, IV, V(L) - Augmentation required from off-watch personnel.	F	L/A	L/A	L/A	L/A
CCC 3.11	Establish voice communications with supported forces. V(L) Plan and train.	F	F	F	F	L
CCC 6 PROVIDE COMMUNICATIONS FOR OWN UNIT.						
CCC 6.1	Maintain tactical voice communications. III, IV, V(L) - Augmentation required from off-watch personnel.	F	F	L/A	L/A	L/A
CCC 6.3	Maintain multi-channel cryptographically covered teletype/data receive circuits. V(L) - Augmentation required from off-watch personnel.	F	F	F	F	L/A
CCC 6.5	Maintain full duplex cryptographically covered HF teletype/data circuits (simplex for submarines and patrol combatants). V(L) - Augmentation required from off-watch personnel.	F	F	F	F	L/A
CCC 6.6	Process messages. V(L) - Augmentation required from off-watch personnel.	F	F	F	F	L/A

T-ARS 50 Class		I	IIS	III	IV	V
CCC 6.7	Maintain underwater communications (GIRTY). IIS, IV, (E)- Requires embarked MDSU.		F/E		F/E	
CCC 6.10	Maintain voice/teletype/ computer data cryptographically covered satellite communication circuits. V(L) Augmentation required from off-watch personnel.	F	F	F	F	L/A
CCC 6.12	Maintain internal communications systems	F	F	F	F	F
CCC 6.19	Provide tactical, secure voice or data communications.	F	F	F	F	F
CCC 9 RELAY COMMUNICATIONS.						
CCC 9.3	Relay electronic communications. V(L) - Augmentation required from off-watch personnel.	F	F	F	F	L/A
CCC 19 REPAIR UNIT'S OWN CCC EQUIPMENT						
CCC 19	Repair own unit's CCC equipment. I, IIS, III, IV, V, (L)- Emergency repairs to equipment critical to ships mission. Augmentation required from off-watch personnel.	L	L	L	L	L

T-ARS 50 Class		I	IIS	III	IV	V
CCC 20	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNITS CCC CAPABILITIES					
CCC 20	Conduct casualty control procedures to maintain /restore own unit's CCC capabilities. Repair own unit's CCC equipment. I, IIS, III, IV, (L) -Emergency repairs to equipment critical to ships mission. Augmentation required from off-watch personnel.	L	L	L	L	L
C²W	COMMAND AND CONTROL WARFARE AND INFORMATION WARFARE					
C²W 4	PLAN AND IMPLEMENT OPERATIONS SECURITY (OPSEC) MEASURES.					
C ² W 4.1	Implement appropriate/directed electromagnetic acoustic EMCON.	F	F	F	F	F
C ² W 4.2	Transition rapidly from one EMCON condition to another.	F	F	F	F	F
C ² W 4.3	Monitor own unit compliance with EMCON condition in effect. I, IIS, III, IV, (L) - No ESM equipment installed. Self monitoring is limited to visually checking switch positions.	L	L	L	L	L
C ² W 4.12	Execute OPSEC measures.	F	F	F	F	F

<p>C²W 5 CONDUCT COORDINATED C2W/IW OPERATIONS WITH OTHER FORCES IN SUPPORT OF A JTF/GROUP.</p>					
<p>C²W 5.2 Conduct coordinated C2W/IW operations with other forces in support of a JTF/Group/SAG or naval/joint combined forces.</p> <p>I, IIS, III, IV, (L) - Limited by equipment installations and qualifications.</p>	L	L	L	L	L
<p>C²W COMMAND AND CONTROL WARFARE AND INFORMATION WARFARE</p>					
<p>C²W 4 PLAN AND IMPLEMENT OPERATIONS SECURITY (OPSEC) MEASURES.</p>					
<p>C²W 4.1 Implement appropriate/directed electromagnetic acoustic EMCON.</p>	F	F	F	F	F
<p>C²W 4.2 Transition rapidly from one EMCON condition to another.</p>	F	F	F	F	F
<p>C²W 4.3 Monitor own unit compliance with EMCON condition in effect.</p> <p>I, IIS, III, IV, (L) - No ESM equipment installed. Self monitoring is limited to visually checking switch positions.</p>	L	L	L	L	L
<p>C²W 4.12 Execute OPSEC measures.</p>	F	F	F	F	F
<p>C²W 5 CONDUCT COORDINATED C2W/IW OPERATIONS WITH OTHER FORCES IN SUPPORT OF A JTF/GROUP.</p>					
<p>C²W 5.2 Conduct coordinated C2W/IW operations with other forces in support of a JTF/Group/SAG or naval/joint combined forces.</p> <p>I, IIS, III, IV, (L) - Limited by equipment installations and qualifications.</p>	L	L	L	L	L

T-ARS 50 CLASS		I	IIS	III	IV	V
C²W 6	PLAN AND CONDUCT COUNTER SURVEILLANCE, COUNTER TARGETING AND MILITARY DECEPTION OPERATIONS.					
C ² W 6.8	Execute military tactical deception operations using technical means (electrical, acoustic, visual, and electro/optical (E/O). I, IIS, III, IV (L) - Limited by equipment installation	L	L	L	L	L
C²W 14	REPAIR OWN UNIT'S C²W EQUIPMENT.					
C ² W 14	Repair own unit's C2W equipment. I, IIS, III, IV, V(L) - Emergency repairs to equipment critical to ships mission. Augmentation required from off-watch personnel.	L	L	L	L	L
C²W 16	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S C²W CAPABILITIES.					
C ² W 16	Conduct casualty control procedures to maintain/restore own unit's C2W capabilities. I, IIS, III, IV, V(L) - Emergency repairs to equipment critical to ships mission. Augmentation required from off-watch personnel.	L	L	L	L	L
FLEET SUPPORT OPERATIONS (FSO)						
FSO 3	PROVIDE SUPPORT SERVICES TO OTHER UNITS.					
FSO 3.4	Conduct diver proficiency and requalification/recertification training. IIS, III, IV, V(E) - requires embarked MDSU DET.		F/E	F/E	F/E	F/E

13 Nov 07

T-ARS 50 Class		I	IIS	III	IV	V
FSO 3.5	Provide deep and shallow water diving services, including the maintenance and operation of the deep diving system. IIS, III, IV,V(E) - requires embarked MDSU DET.		F/E	F/E	F/E	F/E
FSO 5 CONDUCT TOWING/SEARCH/SALVAGE/RESCUE OPERATIONS.						
FSO 5.1	Conduct towing operations.		F	F	F	
FSO 5.2	Conduct salvage operations. NOTE: See ships AEL for limitations; may require Additional equipment from ESSM or MDSU TOA. IIS, III, IV(E) require embarked MDSU DET.		F/E	F/E	F/E	
FSO 5.3	Conduct rescue operations. IIS, III,IV(L) - Augmentation required from off-watch personnel.		F/A	F/A	L/A	
FSO 5.5	Act as escort ship to submarines during dives associated with post-shipyard sea trials.		F	F	F	
FSO 5.9	Conduct underwater search operations with divers to unit's depth capability. IIS, III,IV(E) require embarked divers' detachment (MDSU, EOD, SEAL).		F/E	F/E	F/E	
FSO 5.11	Conduct underwater search operations using towed sonar and/or magnetometer. IIS, III. and IV(E) require embarked equipment and operators.		F/E	F/E	L/E	

T-ARS 50 Class		I	IIS	III	IV	V
FSO 5.13	Conduct underwater search operations using diver held sonar and/or magnetometer. IIS, III, IV(E) require embarked MDSU DET.		F/E	F/E	F/E	
FSO 5.15	Plan/direct towing, search, salvage and/or rescue operations. IIS, III, IV (E) - Salvage operations require embarked MDSU detachment, all other operations performed by ship's force augmented by off-watch personnel.		F/E	F/E	F/E	
FSO 5.16	Conduct salvage operations in support of port recovery/harbor clearance. IIS, III, IV(E) require embarked MDSU DET. IV(L) - Augmentation required from off-watch personnel.		F/E	F/E	L/E	
FSO 5.17	Prepare a vessel or craft to be towed. NOTE: assumes an unmanned tow. IIS, III, IV(E) - Augmentation required from off-watch personnel.		F/A	F/A	F/A	
FSO 5.18	Augment a towing vessel in the conduct of towing operations. I, IIS, III, IV(L) - Augmentation required from off-watch personnel.	F/A	F/A	F/A	F/A	

13 Nov 07

T-ARS 50 Class		I	IIS	III	IV	V
FSO 5.19	Provide qualified personnel to conduct underwater ships husbandry cutting and welding. IIS, III, IV, V(E) - requires embarked MDSU DET.		L/E	L/E	L/E	L/E
FSO 6	SUPPORT/CONDUCT SEARCH AND RESCUE (SAR) OPERATIONS IN A COMBAT/ NONCOMBAT ENVIRONMENT.					
FSO 6.2	Conduct combat/noncombat SAR operations by surface ships. IIS, III- Augmentation required from off watch personnel. IV(E) - requires embarked MDSU DET.		F/A	F/A	L/E	
FSO 6.4	Recover man overboard. NOTE: During Condition I and IIS, search and recovery requires augmentation by securing other battle stations. During Condition III, IV and V search and recovery requires augmentation from off-watch personnel.	F/A	F/A	F/A	F/A	F/A

T-ARS 50 Class		I	IIS	III	IV	V
FSO 6.6	<p>Conduct search and rescue operations (including operations involving submarine disaster/rescues).</p> <p>IIS, III, IV(E) - Rescue operations involving diving require embarked divers detachment, all other operations performed by ship's force augmented by off-watch personnel.</p> <p>IV(L) - Augmentation required from off-watch personnel.</p>		F/E	F/E	L/A	
FSO 6.7	Conduct general surveillance.	F	F	F	F	
FSO 6.8	Acquire and display general distress data.	F	F	F	F	
FSO 6.9	Report situational assessment.	F	F	F	F	
FSO 7	<p>PROVIDE EXPLOSIVE ORDNANCE DISPOSAL (EOD) SERVICES.</p> <p>NOTE: FSO 7.6, 7.8 and 7.14 requires EOD detachment onboard.</p>					
FSO 7.6	<p>Render safe U.S. and foreign explosive ordnance underwater.</p> <p>IIS, III, IV(E) - requires embarked EOD DET.</p>		F/E	F/E	F/E	
FSO 7.8	<p>Recover and conduct initial technical evaluation of ordnance encountered underwater.</p> <p>IIS, III, IV(E) - requires embarked EOD DET.</p>		F/E	F/E	F/E	
FSO 7.14	<p>Locate/detect underwater ordnance.</p> <p>IIS, III, IV(E) - requires embarked EOD DET</p>		F/E	F/E	F/E	

T-ARS 50 Class		I	IIS	III	IV	V
FSO 7.16	Conduct SCUBA diving operations. IIS, III, IV(E) - requires embarked divers detachment.		F/E	F/E	F/E	
FSO 7.17	Conduct surface supplied diving operations to unit's depth capability. IIS, III, IV(E) - requires embarked MDSU detachment.		F/E	F/E	F/E	
FSO 7.25	Conduct hull searches to detect limpet mines using divers. IIS, III, IV(E) - requires embarked divers detachment.		F/E	F/E	F/E	
FSO 7.26	Coordinate hull searches to detect limpet mines using divers. IIS, III, IV(E) - requires embarked divers detachment.		F/E	F/E	F/E	
FSO 7.30	Conduct port recovery/harbor clearance operations. IIS, III, IV(E) - requires embarked EOD DET.		F/E	F/E	F/E	
FSO 9 PROVIDE MEDICAL CARE TO ASSIGNED AND EMBARKED PERSONNEL.						
FSO 9.1	Conduct sick call. I, IIS, III, IV, V - Requires Independent Duty Corpsman (IDC) onboard.	L/E	L/E	L/E	L/E	L/E
FSO 9.5	Conduct sanitation and safety inspections. V(L) - Augmentation required from off-watch personnel.			F	F	L/A

T-ARS 50 CLASS		I	IIS	III	IV	V
FSO 9.6	<p>Conduct occupational health/safety and preventive medicine programs and training using the following personnel:</p> <p>IIS, III, IV, V(E) Requires Independent Duty Corpsman (IDC) onboard.</p>		L/E	L/E	L/E	L/E
FSO 10 PROVIDE FIRST AID ASSISTANCE.						
FSO 10.1	<p>Identify, equip and maintain appropriate first aid spaces.</p> <p>I, IIS, III (E) - requires embarked IDC IV, V(L) - Augmentation required from off-watch personnel.</p>	F/E	F/E	F/E	L/A	L/A
FSO 10.2	<p>Train assigned and embarked personnel in first aid, self and buddy aid procedures.</p> <p>I, IIS, III, IV (E) - requires embarked IDC V(L) - Augmentation required from off-watch personnel.</p>	F/E	F/E	F/E	F/E	L/A
FSO 19 PROVIDE AVIATION/DIVING MEDICINE SERVICES.						
FSO 19.9	<p>Provide treatment for decompression sickness and other accidents.</p> <p>IIS, III, IV, V (E) - Requires embarked diving medical technician or diving officer.</p>		F/E	F/E	F/E	F/E

T-ARS 50 Class		I	IIS	III	IV	V
FSO 19.10	Participate in diving exercises and submarine escapes to observe and treat personnel for physical and psychological effects of pressure variations and toxic effects of breathing media. III, IV, V(E) - Requires embarked diving medical technician or diving officer.			F/E	F/E	F/E
FSO 19.16	Provide diving medical officer to respond to diving casualties. IIS, III, IV, V(E) - Requires embarked MDSU DET Diving Medical Officer.		F/E	F/E	F/E	F/E
FSO 19.17	Provide recompression chamber services. IIS, III, IV, V(E) - Requires embarked MDSU DET		F/E	F/E	F/E	F/E
FSO 20 PROVIDE FLEET TRAINING SERVICES.						
FSO 20.8	Recover exercise torpedoes/drones.			F	F	
FSO 20.21	Recover service mines. III, IV(E) - requires embarked EOD detachment.			F/E	F/E	
FSO 20.22	Recover non-service mines and mine simulators. III, IV(E) - requires embarked divers detachment.			F/E	F/E	
FSO 20.24	Provide technical guidance, training and assistance to fleet units in underwater ship salvage and aircraft recovery. IIS, III, IV, V (E) - requires embarked MDSU DET.		F/E	F/E	F/E	F/E

T-ARS 50 Class		I	IIS	III	IV	V
FSO 20.25	Provide technical guidance, training and assistance to fleet units in underwater cutting and welding operations. IIS, III, IV, V(E) - requires embarked MDSU DET.		F/E	F/E	L/E	L/E
FSO 20.32	Provide evaluation and training of master diver candidates prior to assignment of orders to master diver school. IV, V(E)- requires embarked MDSU DET.				F/E	F/E
FSO 20.33	Provide technical guidance, training and assistance to fleet units in underwater hull husbandry. IIS, III, IV, V(E) - requires embarked MDSU DET.		F/E	F/E	F/E	F/E
FSO 20.34	Provide technical guidance, training and assistance to fleet units in diving operations, including recompression chamber services. IIS, III, IV, V(E) requires embarked MDSU DET.		F/E	F/E	F/E	F/E
FSO 51	REPAIR OWN UNIT'S FSO-RELATED EQUIPMENT. I, IIS(L) - Repairs to equipment critical to ship's salvage and towing mission only. III, IV, V - Augmentation required from off-watch personnel.	L	L	F/A	F/A	F/A
FSO 55	MAINTAIN READINESS BY PROVIDING FOR TRAINING OF OWN UNIT'S PERSONNEL.	F	F	F	F	F

T-ARS 50 Class		I	IIS	III	IV	V
INTELLIGENCE (INT)						
INT 1 SUPPORT/CONDUCT INTELLIGENCE COLLECTION.						
INT 1.3	Support/conduct imagery intelligence information collection. I, IIS, III, IV, V(L) - Augmented by special detail. Requires securing selected personnel from watch stations in Conditions I and IIS.	L/A	L/A	L/A	L/A	L/A
INT 4.1	Detect and locate targets of interest. I, IIS, III, IV, V(L) - Augmented by special detail. Requires securing selected personnel from watch stations in Conditions I and IIS.	L/A	L/A	L/A	L/A	L/A
INT 4.3	Track targets of interest. I, IIS, III, IV, V(L) - Augmented by special detail. Requires securing selected personnel from watch stations in Conditions I and IIS.	L/A	L/A	L/A	L/A	L/A
MINE WARFARE (MIW)						
MIW 6 CONDUCT MAGNETIC SILENCING (DEGAUSSING, DEPERMING, ETC.)						
MIW 6.7	Maintain magnetic signature limits.	F	F	F	F	F
MIW 6.8	Maintain own unit's degaussing readiness.	F	F	F	F	F

13 Nov 07

T-ARS 50 Class		I	IIS	III	IV	V
MOBILITY (MOB)						
MOB 1 OPERATE SHIP'S PROPULSION PLANT TO DESIGNED CAPABILITY.						
MOB 1.1	Operate ship's propulsion plant at full power.	F	F	F	F	
MOB 1.6	Maintain necessary machinery redundancy to enhance survival in high threat areas.	F	F	F	F	
MOB 3 PREVENT AND CONTROL DAMAGE.						
MOB 3.1	Control fire, flooding, electrical, structural, propulsion and hull/airframe causalities. I, IIS, III, IV, V - Augmentation required from off watch personnel.	F/A	F/A	F/A	F/A	F/A
MOB 3.2	Counter and control chemical, biological and radiological (CBR) contaminants/agents. V(L) - Reduced capacity due to personnel ashore.	F	F	F	F	L
MOB 3.3	Maintain security against unfriendly acts. I, IIS, III, IV, V (E) - requires embarked Mobile Security Force.	F/E	L/E	L/E	L/E	L/E
MOB 3.5	Provide damage control security/surveillance. NOTE: Watch station personnel provide surveillance. Augmentation may be required by off-watch personnel.	F	F	F	F	F

T-ARS 50 Class		I	IIS	III	IV	V
MOB 3.6	Conduct underwater hull security inspections. I, IIs, III, IV, V (E) - requires embarked divers detachment.	F/E	F/E	F/E	F/E	F/E
MOB 3.8	Provide emergency breathing devices per ship's allowance.	F	F	F	F	F
MOB 5	MANEUVER IN FORMATION.	F	F	F	F	
MOB 7	PERFORM SEAMANSHIP, AIRMANSHIP AND NAVIGATION TASKS.					
MOB 7.1	Navigate under all conditions of geographic location, weather and visibility. I, IIs, III, IV - Augmentation may be required from off watch personnel.	F/A	F/A	F/A	F/A	
MOB 7.2	Conduct precision anchoring. IIS, III, IV - Augmentation required from off-watch personnel.		F/A	F/A	F/A	
MOB 7.3	Get underway, moor, anchor and sortie with duty section in a safe manner. V(L) - Deployed, duty section fully capable. Not deployed, recall of personnel required.					L
MOB 7.6	Abandon/scuttle ship rapidly. V(L) - Plan and train.	F	F	F	F	L
MOB 7.7	Provide life boat/raft capacity in accordance with unit's allowance.	F	F	F	F	F

T-ARS 50 Class		I	IIS	III	IV	V
MOB 7.8	Tow or be towed. I, IIS, III, IV - Augmentation required from off watch personnel.	F/A	F/A	F/A	F/A	
MOB 7.16	Recover man overboard (shipboard or boat) I, IIS, III, IV, V - Augmentation required from off watch personnel.	F/A	F/A	F/A	F/A	F/A
MOB 10 REPLENISH AT SEA.						
MOB 10.1	Receive vertical replenishment. NOTE: Hover-only operations. III, IV - Augmentation required from off watch personnel.			L/A	L/A	
MOB 10.2	Receive fuel while underway (alongside method). III, IV- Augmentation required from off watch personnel.			L/A	L/A	
MOB 10.3	Receive munitions and provisions while underway. III, IV - Emergency capability only due to severe risks to personnel. Augmentation required from off-watch personnel			L/A	L/A	
MOB 10.4	Receive potable and/or feed water while underway. III, IV- Augmentation required from off watch personnel.			L/A	L/A	

T-ARS 50 Class		I	IIS	III	IV	V
MOB 10.6	Receive fuel while underway (astern method). III, IV - Augmentation Required from off watch personnel.			L/A	L/A	
MOB 12 MAINTAIN THE HEALTH AND WELL-BEING OF THE CREW.						
MOB 12.1	Ensure all phases of food service operations are conducted consistent with approved sanitary procedures and standards. I, IIS(L) - Battle messing only.	L	L	F	F	F
MOB 12.2	Ensure the operation of the potable water system in a manner consistent with approved sanitary procedures and standards.	F	F	F	F	F
MOB 12.3	Monitor and / or 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.	F	F	F	F	F
MOB 12.5	Monitor health and well-being of the crew to ensure that habitability is consistent with approved habitability procedures and standards.	F	F	F	F	F

T-ARS 50 Class		I	IIS	III	IV	V
MOB 12.6	Ensure that operation and maintenance of all phases of shipboard environmental protection systems do not create a health hazard and are consistent with other naval directives pertaining to the prevention of pollution of the environment.	F	F	F	F	F
MOB 17	PERFORM ORGANIZATIONAL LEVEL REPAIRS TO OWN UNIT'S MOB EQUIPMENT. I, IIS(L) - Repairs to equipment critical to ship's mission only.	L	L	F	F	F
MISSIONS OF STATE (MOS)						
MOS 1	PERFORM NAVAL DIPLOMATIC PRESENCE OPERATIONS.					
MOS 1.2	Conduct force/unit tours for foreign dignitaries.			F	F	F
MOS 1.3	Conduct systems demonstrations for foreign dignitaries. III, IV, V(L) - Augmentation required from off-watch personnel and embarked units.			L/E	L/E	L/E
MOS 1.4	Conduct foreign port calls.					F
MOS 1.6	Conduct receptions for foreign dignitaries during port calls.					F
MOS 1.8	Participate in military exercises with allied nations.			F	F	
MOS 1.9	Participate in military exercises with non-allied nations.			F	F	
MOS 1.10	Participate in or provide participants for foreign/allied commemorative or ceremonial events.			F	F	F

T-ARS 50 Class		I	IIS	III	IV	V
MOS 2	PROVIDE HUMANITARIAN ASSISTANCE.					
MOS 2.2	Provide emergency flooding/fire fighting assistance. NOTE: Condition III surges to Condition IIS. I, IIS, III(E) - requires embarked MDSU DET. IV, V - Augmentation required from off-watch personnel or embarked units.	F/E	F/E	F/E	F/A	F/A
MOS 2.3	Provide EOD assistance. IIS, III, IV, V(E) - requires embarked EOD DET		F/E	F/E	F/E	F/E
MOS 2.4	Provide disaster assistance and evacuation. III, IV, V(L) - Augmentation required from off-watch personnel.			F/A	F/A	L/E
MOS 2.12	Provide for embarkation, identification and processing of evacuees. III, IV, V(L) - Limited by lifesaving appliances and available berths. Augmentation required from off-watch personnel.			L/A	L/A	L/A

T-ARS 50 Class		I	IIS	III	IV	V
MOS 2.13	Provide care, feeding and berthing of evacuees. III, IV, V(L) - Limited by lifesaving appliances and available berths. Augmentation required from off-watch personnel.			L/A	L/A	L/A
MOS 2.14	Provide transportation for evacuees to designated safe havens or onward processing centers. III, IV, V(L) - Limited by lifesaving appliances and available berths. Augmentation required from off-watch personnel.			L/A	L/A	L/A
NONCOMBAT OPERATIONS (NCO)						
NCO 2 PROVIDE ADMINISTRATIVE AND SUPPLY SUPPORT FOR OWN UNIT.						
NCO 2.1	Provide supply support services. I(L) - Emergency supply support services.	L	F	F	F	F
NCO 2.5	Provide messing facilities. I(L) - Battle messing only.	L	F	F	F	F
NCO 2.6	Provide ship's service facilities. IIS(L) - Assistance required from off-watch personnel.		L	F	F	F
NCO 2.8	Provide personnel for living space maintenance.			F	F	F

T-ARS 50 Class		I	IIS	III	IV	V
NCO 2.9	Provide personnel for area command security. I, IIS, III, IV, V(L): Requires embarked Mobile Security Force or embarked armed divers' detachment (MDSU, EOD, SEAL)	L/E	L/E	L/E	L/E	L/E
NCO 3 PROVIDE UPKEEP AND MAINTENANCE OF OWN UNIT.						
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.	F	F	F	F	F
NCO 3.4	Maintain preservation and cleanliness of topside and internal spaces.			F	F	F
NCO 3.5	Provide for proper storage, handling, use and transfer of hazardous materials.	F	F	F	F	F
NCO 5 CONDUCT METEOROLOGICAL, HYDROGRAPHIC AND/OR OCEANOGRAPHIC COLLECTION OPERATIONS OR SURVEYS.						
NCO 5.1	Collect and disseminate meteorological information. I, IIS, III, IV, V(L) - Limited to synoptic reports.	L	L	L	L	L
NCO 5.2	Collect and disseminate hydrographic information. I, IIS, III, IV, V(L) - Limited to synoptic reports.	L	L	L	L	L

T-ARS 50 Class		I	IIS	III	IV	V
NCO 5.3	Collect and disseminate oceanographic information including bathythermograph operations. I, IIS, III, IV, V(L) - Limited to synoptic reports.	L	L	L	L	L
NCO 8 SERVE AS A PLATFORM FOR OPERATIONAL TEST AND EVALUATION OF SYSTEMS, EQUIPMENT AND TACTICS.						
NCO 8.1	Provide technical assistance for installed test and evaluation equipment. III, IV, V(L) - Augmentation required from off-watch personnel and may also require shoreside tech assist.			L	L	L
NCO 8.2	Perform the evaluation functions set forth in the appropriate test plans. III, IV, V(L) - Augmentation required from off-watch personnel and may also require shoreside tech assist.			L	L	L
NCO 10 PROVIDE EMERGENCY/DISASTER ASSISTANCE.						
NCO 10.1	Provide emergency flooding/fire fighting assistance to another unit. I, II, III, IV, V(E) - Requires embarked MDSU detachment, augmentation required from off-watch personnel.	F/E	F/E	F/E	F/E	F/E

T-ARS 50 CLASS		I	IIS	III	IV	V
NCO 10.3	Provide EOD assistance. IIs, III, IV, V(E) - requires embarked EOD DET.		F/E	F/E	F/E	F/E
NCO 10.4	Provide disaster assistance and evacuation. III, IV, V(L) - Limited by lifesaving appliances and available berths. Augmentation required from off-watch personnel.			L/A	L/A	L/A
NCO 25	CONDUCT MARINE ENVIRONMENTAL PROTECTION.					
NCO 25.1	Detect oil or hazardous chemical spill.	F	F	F	F	F
NCO 25.2	Report spills to proper authority.	F	F	F	F	F
NCO 25.3	Conduct pollution abatement operations. I, IIS, III, IV, V (L) - limited to shipboard and small area waterborne pollution control. Ship is not equipped with a boom. May require augmentation from off-watch personnel.	L/A	L/A	L/A	L/A	L/A

T-ARS 50 CLASS		I	IIS	III	IV	V
NOTE: WHEN OPNAV INST C3501.2K IS RELEASED CONTAINING THE FOLLOWING ANTI-TERRORISM/FORCE PROTECTION REQUIREMENTS THEN THE FOLLOWING SHOULD BECOME A SECONDARY MISSION FOR THE T-ARS SHIPS.						
NCO 16 PROVIDE ANTI-TERRORISM/FORCE PROTECTION DEFENSE						
NCO 16.1	Assimilate and disseminate intelligence on terrorist activities directed at U.S. Navy installations, ships and personnel.	F	F	F	F	F
NCO 16.2	Request and receive a threat assessment.	F	F	F	F	F
NCO 16.3	Declare general warnings of possible terrorist activity (THREATCON).	F	F	F	F	F

T-ARS 50 CLASS		I	IIS	III	IV	V
NCO 16.4	<p>Anticipate and provide defenses against terrorist activities directed at ships, installations, facilities and personnel.</p> <p>(a) Include provisions for barriers, access control, surveillance, intruder detection, and electronic security systems.</p> <p>(b) Train and exercise the unit's AT response force to include tactical room/space entry.</p> <p>(c) Implement local FPCON measures.</p> <p>(d) Implement unit terrorist incident response plan.</p> <p>(e) Operate electronic security systems (ESS).</p> <p>(f) Operate duress systems.</p> <p>(g) Train and exercise designated marksman for defense of HVA, boat crews and security personnel.</p> <p>III, IV, V (E)- may require augmentation from embarked MDSU, EOD, or MOBILE SECURITY DET.</p>			F/E	F/E	F/E

T-ARS 50 CLASS		I	IIS	III	IV	V
NCO 16.5	<p>Conduct screening of non assigned personnel and materials entering the unit or facility using:</p> <p>(a) Logical means (validation of identification, documentation, personal recognition, etc.) (b) Physical means (searches, metal detection, explosive detection, etc.)</p> <p>III, IV, V(L) - Requires embarked security team and equipment</p>			L	L	L
NCO 16.6	<p>Provide waterside barriers/patrols during port calls and anchorage.</p> <p>III, IV, V (L/E)- Requires embarked Mobile Security Force or embarked armed divers' detachment (MDSU, EOD, SEAL). Armed boat patrols must be provided by outside forces.</p>			L/E	L/E	L/E
NCO 16.7	<p>Determine, maintain and enforce port, harbor and anchorage limited access areas.</p> <p>III, IV, V (L/E)- Requires embarked Mobile Security Force or embarked armed divers' detachment (MDSU, EOD, SEAL). Armed boat patrols must be provided by outside forces.</p>			L/E	L/E	L/E

T-ARS 50 CLASS		I	IIS	III	IV	V
NCO 16.8	<p>Conduct surveillance and interdiction operations of swimmers/swimmer delivery vehicles.</p> <p>III, IV, V (L/E)- Requires embarked Mobile Security Force or embarked armed divers' detachment (MDSU, EOD, SEAL). Armed boat patrols must be provided by outside forces.</p>			L/E	L/E	L/E
NCO 16.9	<p>Provide AT information and voluntary training to dependents visiting units in foreign ports/locations.</p> <p>V(L)- No dependent services</p>					L
NCO 16.10	<p>Disseminate anti-terrorism defense instructions that include provisions for appropriate perimeter barriers, access control, surveillance and intruder detection, AT response force including a crisis action team, and evacuation.</p>			F	F	F
NCO 16.11	<p>Conduct hostage survival and Code of Conduct training.</p>			F	F	F
NCO 16.12	<p>Direct, conduct and assess unit AT exercises consistent with potential and/or actual threat environment.</p>			F	F	F