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IN REPLY REFER TO
OPNAVINST 3501.369
N42
13 Nov 07

OPNAV INSTRUCTION 3501.369

From: Chief of Naval Operations

Subj: REQUIRED OPERATIONAL CAPABILITIES (ROC) AND PROJECTED
OPERATIONAL ENVIRONMENT (POE) FOR THE LEWIS AND CLARK
(T-AKE-1) CLASS DRY CARGO AMMUNITION SHIP

Ref: (a) OPNAVINST C3501.2 Series
(b) NTPP 1-03.3 (Rev A)

Encl: (1) POE for the T-AKE-1 Class Dry Cargo Ammunition Ship
(2) ROC for the T-AKE-1 Class Dry Cargo Ammunition Ship

1. Purpose. To issue the ROC and the POE for LEWIS AND CLARK (T-AKE-1) Class Dry Cargo Ammunition Ship.

2. Discussion. Enclosures (1) and (2) provide the necessary details to describe the mission areas and operational capabilities for which the LEWIS AND CLARK Class of Dry Cargo Ammunition Ship were designed and organized as required by reference (a). This instruction provides resourcing agencies with the information they need concerning T-AKE-1 Class 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) should be utilized in determining ROC 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 (SORTSREPNV) in accordance with reference (b).

3. Action. Fleet Commanders shall periodically review enclosures (1) and (2) and recommend changes to the Chief of Naval Operations (Attn: N42) when capabilities of the LEWIS AND CLARK T-AKE-1 Class Dry Cargo Ammunition Ship are significantly altered. Change recommendations should include comments on the expected Activity Manpower Document (AMD) impact upon military personnel assigned to the ship.

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PROJECTED OPERATIONAL ENVIRONMENT (POE)
FOR
T-AKE-1 CLASS DRY CARGO AMMUNITION SHIP

1. The LEWIS AND CLARK Class (T-AKE-1) Dry Cargo Ammunition Ship's mission is to operate logistically in a high density multi-threat environment as a replenishment ship to a Carrier Strike Group (CSG), Surface Action Group (SAG), or an Expeditionary Strike Group (ESG) and when operating in concert with a T-AO class ship (oiler) to act as the station ship for a CSG.
2. The most demanding operating environment anticipated for the T-AKE-1 is operations at sea in wartime in cooperation with designated joint/allied forces, including operations involving land and sea-based aviation.
3. Peacetime forward operations in littoral areas are equally 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, our adversaries can concentrate and layer their defenses. In an era when even third world countries possess sophisticated weaponry, surprise attack by submarines, coastal missiles, mines, sea-skimming cruise missiles and theater ballistic missiles must be anticipated. In the myriad variations of this littoral conflict environment, a substantial percentage of operations will be prosecuted in joint/allied scenarios.
4. The ship is capable of performing all assigned primary mission areas simultaneously while maintaining Readiness Condition I, III, (wartime/forward deployment cruising readiness), R (replenishment readiness), IV (peacetime training steaming) or V (in port).
5. The ship is capable of providing refrigerated stores, dry provisions, technical (including aviation) spares, general stores, fleet freight, mail, personnel and other items from five stations (two starboard and three port). Connected Replenishment (CONREP) hours are considered to commence with "first line over" and terminate with "last line clear." All other workload such as rigging, pre-staging cargo, safety briefings, etc., will be counted under Utility Tasks and Evolutions (UT&E).
6. The ship is capable of conducting Vertical Replenishment (VERTREP) in support of operating forces, providing refrigerated stores, dry provisions, technical (including aviation) spares, general stores, fleet freight, mail, personnel and other items

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from other units using assigned helicopters or helicopters from another unit, but will only operate 3 CONREP stations while simultaneously conducting VERTREP operations. All other workload such as pre-staging cargo, safety briefings, etc. will be counted under UT&E.

7. The ship is capable of performing all maintenance for which ship's company is responsible.

REQUIRED OPERATIONAL CAPABILITIES (ROC)
FOR
T-AKE-1 CLASS DRY CARGO AMMUNITION SHIP

1. The LEWIS AND CLARK Class (T-AKE-1) Dry Cargo Ammunition Ship's mission is to operate logistically in a high density multi-threat environment as a replenishment ship to a Carrier Strike Group (CSG), Surface Action Group (SAG), or an Expeditionary Strike Group (ESG) and when operating in concert with a T-AO class ship (oiler) to act as the station ship for a CSG. Accordingly, the following primary and secondary warfare mission areas are assigned:

T-AKE-1											
ASU	ASW	CCC	C ² W	FSO	INT	LOG	MIW	MOB	MOS	NCO	STS
S	S	P	S	S	S	P	S	P	S	S	S

2. 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 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. For the T-AKE-1, this condition means the Battle Group assets will provide self-defense and the T-AKE-1 continues to complete replenishment at sea evolutions. The maximum expected continuous crew endurance for Condition I is 12 hours per day for mission performance.

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

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 maintenance, support and administrative functions. For the T-AKE-1, this condition includes preparations for and securing of equipment after replenishment operations. To determine manpower requirements, the minimum expected crew endurance for Condition III is 60 days with opportunity for 8 hours of rest provided per man per day.

Condition R: Replenishment Readiness

Capable of providing ammunition, provisions, stores, fleet freight, mail, personnel and other items and fuel (Naval Distillate Fuel (NATO Symbol: F-76) and Jet Propellant (JP5)) from five Connected Replenishment (CONREP) stations or three CONREP station and one Vertical Replenishment (VERTREP) station simultaneously. The maximum number of stations in operation for cargo transfer, during simultaneous VERTREP, is two stations on one side and one station on the opposite side.

For fuel transfer, the ship can operate two fuel stations to starboard (double probe) and one single probe station. The selection of stations will be based on the customer requirements and capabilities. Conduct VERTREP in support of operating forces to provide ammunition, provisions, stores, fleet freight, mail, personnel and other items utilizing assigned helicopters or helicopters from another unit.

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 or III is expected.

Condition V: Inport Readiness

Designated 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 administration 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

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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." Every "L" must be supported by a limiting statement specifying the limitation.

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 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.

"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.

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	Temporarily manned to less than design

	personnel	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

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 T-AKE-1 class as well as other classes which routinely embark external resources, the meaning may not be clear as to whether the augmentation should be provided by ship's company or an external resource.

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," a Note is added to the ROC stating the resource.
- If the resource is external for "L," the resource is added to the capability limiting statement.

REQUIRED OPERATIONAL CAPABILITIES

T-AKE-1		I	III	R	IV	V
ANTISURFACE SHIP WARFARE (ASU)						
ASU 1	USING ANTISURFACE ARMAMENTS, ENGAGE SURFACE THREATS.					
ASU 1.6	Engage surface ships with minor caliber gunfire. III, R, IV(L) - Manned by off-watch personnel.	F	L	L	L	
ASU 4	DETECT, IDENTIFY, LOCALIZE AND TRACK SURFACE SHIP TARGETS.					
ASU 4.1	Detect, localize and track surface contacts with radar.	F	F	F	F	
ASU 4.4	Detect, identify, classify and track surface contacts visually.	F	F	F	F	
ASU 4.7	Identify surface contacts.	F	F	F	F	
ASU 6	DISENGAGE, EVADE AND AVOID SURFACE ATTACK.					
ASU 6.1	Employ countermeasures.	F	F		F	

T-AKE-1		I	III	R	IV	V
ASU 6.2	Employ evasion techniques.	F	F		F	
ASU 6.3	Employ Emission Control (EMCON) procedures.	F	F		F	
ANTISUBMARINE WARFARE (ASW)						
ASW 8	DISENGAGE, EVADE, AVOID AND DECEIVE SUBMARINES.					
ASW 8.1	Employ torpedo countermeasures and evasion techniques.	F	F		F	
COMMAND, CONTROL AND COMMUNICATIONS (CCC)						
CCC 1	PROVIDE COMMAND AND CONTROL FACILITIES FOR A TASK ORGANIZATION COMMANDER AND STAFF.					
CCC 1.1	Support (spaces, facilities and equipment only) embarked warfare commander or coordinator (other than own unit Commanding Officer (CO)).	F	F	F	F	F

T-AKE-1		I	III	R	IV	V
CCC 1.6	Provide a Helicopter Direction Center (HDC) with command and control facilities for the control and direction of helicopters operating from the ship.	F	F	F	F	F
CCC 1.13	Provide communications support for embarked warfare commander or coordinator.	F	F	F	F	F
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. I, III, IV(L) - No SAR swimmer capability.	L	L		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
CCC 3.4	Carry out emergency destruction	F	F	F	F	L

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T-AKE-1		I	III	R	IV	V
	of classified material and equipment rapidly and efficiently. V(L) - Capability reduced due to personnel ashore.					
CCC 3.11	Establish voice communications with supported forces. V(L) - Plan and Train.	F	F	F	F	F

T-AKE-1		I	III	R	IV	V
CCC 6	PROVIDE COMMUNICATIONS FOR OWN UNIT.					
CCC 6.1	Maintain tactical voice communications. V(L) - Capability reduced due to personnel ashore.	F	F	F	F	L
CCC 6.2	Maintain visual communications. III, IV(L) - Work one contact and maintain watch simultaneously. V(L) - Capability reduced due to personnel ashore.	F	L	F	L	L
CCC 6.3	Maintain multi-channel cryptographically covered teletype/data receive circuits. V(L) - Augmented by off-watch personnel.	F	F	F	F	L
CCC 6.5	Maintain full duplex, cryptographically covered High Frequency (HF) teletype/data circuits. V(L) - Augmented by off-watch personnel.	F	F	F	F	L
CCC 6.6	Process messages.	F	F	F	F	F
CCC 6.10	Maintain voice/teletype/computer data cryptographically covered satellite communication circuits. V(L) - May require augmentation by off-watch personnel.	F	F	F	F	L
CCC 6.12	Maintain internal communications	F	F	F	F	F

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T-AKE-1		I	III	R	IV	V
systems.						
CCC 6.19	Provide tactical, secure voice or data communications.	F	F	F	F	F

T-AKE-1		I	III	R	IV	V
CCC 9 RELAY COMMUNICATIONS.						
CCC 9.1	Relay visual communications. III, IV(L) - Work one contact and maintain watch simultaneously. V(L) - Capability reduced due to personnel ashore.	F	L	F	L	L
CCC 9.3	Relay electronic communications V(L) - Capability reduced due to personnel ashore.	F	F	F	F	L
CCC 19 REPAIR OWN UNIT'S CCC EQUIPMENT.						
CCC 19	Repair own unit's CCC equipment. I, R(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I or R stations.	L	F	L	F	F
CCC 20 CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S CCC CAPABILITIES.						
CCC 20	Conduct casualty control procedures to maintain/restore own unit's CCC capabilities. I, R(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I or R stations.	L	F	L	F	F
COMMAND AND CONTROL WARFARE (C ² W AND INFORMATION WARFARE (IW)						
C ² W 4 PLAN AND IMPLEMENT OPERATIONS SECURITY (OPSEC) MEASURES.						
C ² W 4.1	Implement appropriate/directed electromagnetic/acoustic EMCON condition.	F	F		F	

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T-AKE-1		I	III	R	IV	V
C ² W 4.2	Transition rapidly from one EMCON condition to another.	F	F		F	
C ² W 4.3	Monitor own unit compliance with EMCON condition in effect. V(L) - Capability reduced due to personnel ashore	F	F		F	L
C ² W 4.12	Execute OPSEC measures.	F	F			
C ² W 6	PLAN AND CONDUCT COUNTERSURVEILLANCE, COUNTERTARGETING AND MILITARY DECEPTION OPERATIONS.					
C ² W 6.7	Conduct naval operational deception operations using tactics, operations, exercises or physical means.	F	F			
C ² W 6.8	Execute military tactical deception actions using technical means (electronic, acoustic, visual, Electrical/Optical (E/O)). V(L) - Plan and train.	F	F	F	F	L
C ² W 14	REPAIR OWN UNIT'S C ² W EQUIPMENT.					
C ² W 14	Repair own unit's C ² W equipment. I, R(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I or R stations.	L	F	L	F	F

T-AKE-1		I	III	R	IV	V
C ² W 16	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S C ² W CAPABILITIES.					
C ² W 16	Conduct casualty control procedures to maintain/restore own unit's C ² W capabilities. I, R(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I or R stations.	L	F	L	F	F
FLEET SUPPORT OPERATIONS (FSO)						

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T-AKE-1		I	III	R	IV	V
FSO 1	REPAIR AND OVERHAUL SHIPS, AIRCRAFT AND ASSOCIATED EQUIPMENT.					
FSO 1.2	Provide repair services for: (a) Aircraft I, R(L) - Battle repairs only. Embarked squadron personnel may have to stand down from their watch stations to provide support. NOTE: III, IV, V - Augmentation by technical and supply support personnel from embarked squadron required.	L	F	L	F	F
FSO 3	PROVIDE SUPPORT SERVICES TO OTHER UNITS.					
FSO 3.3	Support aircraft (when assigned). All (L) - Fueling, parts, repair limitations.	L	L	L	L	L

T-AKE-1		I	III	R	IV	V
FSO 5	CONDUCT TOWING/SEARCH/SALVAGE/RESCUE OPERATIONS.					
FSO 5.3	Conduct rescue operations. I(L) - Secure personnel for special detail.	L	F		F	
FSO 6	SUPPORT/CONDUCT SAR OPERATIONS IN A COMBAT/NONCOMBAT ENVIRONMENT.					
FSO 6.1	Support/conduct combat/noncombat SAR operations by fixed or rotary wing aircraft. V(L) - Plan and train. NOTE: Noncombat, daylight operations only.	F	F	F	F	L
FSO 6.2	Conduct combat/noncombat SAR operations by surface ships. I, R(L) - Selected personnel must stand down from Condition I or R stations to man SAR boat or deck recovery operations.	L	F	L	F	F

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T-AKE-1		I	III	R	IV	V
FSO 6.4	Recover man overboard. I, III, R, IV, V(L) - Augmented by special detail.	L/E	L/E	L/E	L/E	L/E
FSO 6.6	Conduct SAR operations (including operations involving submarine disaster/rescues).	F	F		F	
FSO 6.7	Conduct general surveillance.	F	F		F	
FSO 6.8	Acquire and display distress data. V(L) - Plan and train.	F	F	F	F	L
FSO 6.9	Report situation assessment.	F	F		F	
FSO 6.10	Coordinate SAR operations.	F	F		F	

T-AKE-1		I	III	R	IV	V
FSO 6.11	Conduct multi-unit SAR operations. I, III, IV(L) - No SAR swimmer capability.	L	L		L	
FSO 9	PROVIDE MEDICAL CARE TO ASSIGNED AND EMBARKED PERSONNEL.					
FSO 9.1	Conduct daily sick call.		F		F	F
FSO 9.2	Conduct physical examinations.		F		F	F
FSO 9.4	Conduct basic ward care.	F	F	F	F	F
FSO 9.5	Conduct sanitation and safety inspections.				F	F
FSO 9.6	Conduct occupational health/safety and preventative medicine programs and training using the following personnel: (zz) other/Medical Services Officer (MSO).	F	F	F	F	F
FSO 9.9	Conduct medical administrative/maintenance services: (a) Maintain adequate medical supplies for appropriate level health care. (d) Perform routine medical administrative services.				F	F
FSO 9.10	Conduct on-site emergency medical treatment during	F	F	F	F	F

T-AKE-1		I	III	R	IV	V
	hazardous evolutions including flight quarters and Underway Replenishment (UNREP)/refueling operations.					
FSO 9.17	Identify, equip and maintain suitable spaces to provide medical care.	F	F	F	F	F
FSO 9.18	Identify, equip and maintain adequate storage spaces for medical equipment and supplies.	F	F	F	F	F

T-AKE-1		I	III	R	IV	V
FSO 9.19	Provide medical care, triage and resuscitation commensurate with health care provider credentials using the following personnel: (zz) MSO	F	F	F	F	F
FSO 10	PROVIDE FIRST AID ASSISTANCE.					
FSO 10.1	Identify, equip and maintain appropriate first aid spaces.		F		F	F
FSO 10.2	Train assigned personnel in first aid, self and buddy aid procedures.		F		F	F
FSO 11	PROVIDE TRIAGE OF CASUALTIES/ PATIENTS.					
FSO 11.1	Identify, equip and maintain suitable triage spaces.	F	F	F	F	F
FSO 11.2	Train assigned medical/dental personnel in triage care.				F	F
FSO 11.3	Provide administrative support for augmentation personnel/ associated equipment that are assigned to triage and decontamination stations. All (L) - Limited to available space.	L	L	L	L	L
FSO 11.4	Train designated non-medical personnel to assist in triage management care for Chemical, Biological, and Radiological (CBR) contamination casualties.	F	F	F	F	F
FSO 11.5	Train designated non-medical personnel in CBR casualty decontaminated procedures.	F	F	F	F	F

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T-AKE-1		I	III	R	IV	V
FSO 11.7	Provide medical treatment for CBR casualties. All (L) - Limited to minor treatment/aid.	L	L	L	L	L
T-AKE-1		I	III	R	IV	V
FSO 12	PROVIDE MEDICAL/SURGICAL TREATMENT FOR CASUALTIES/PATIENTS.					
FSO 12.1	Identify, equip and maintain suitable resuscitation spaces.	F	F	F	F	F
FSO 12.2	Train assigned and embarked personnel in resuscitation.				F	F
FSO 12.5	Identify, equip and maintain suitable spaces for minor surgery.				F	F
FSO 12.6	Identify, equip and maintain suitable operating room(s) for use by the following personnel: (a) MSO	F	F	F	F	F
FSO 13	PROVIDE MEDICAL, SURGICAL, POST-OPERATIVE AND NURSING CARE FOR CASUALTIES/PATIENTS.					
FSO 13.2	Provide hospital beds. (a) Ward I, R, III, IV(L) - For use in emergency cases when Medical Evacuation (MEDVAC) is not possible or when return to duty can be expected in a short time.	L	L	L	L	
FSO 13.7	Provide surgery by Primary Care Medical Officer. All (L) - Minor/Emergency surgery by Physician's Assistant/MSO.	L	L	L	L	L
FSO 13.14	Provide recovery beds.	F	F	F	F	F
FSO 13.15	Conduct convalescent ward care. IV(L) - Limited facilities.				L	

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T-AKE-1		I	III	R	IV	V
FSO 13.17	Provide all support needed to augment personnel/equipment assigned to nursing services. IV(L) - Limited to available space.				L	
FSO 14	PROVIDE MEDICAL REGULATION, TRANSPORT/EVACUATION AND RECEIPT OF CASUALTIES/PATIENTS.					
FSO 14.4	Transport and/or provide for casualty/patient evacuation. I(L), III(L), R(L), IV(L), V(L) - Helo embarked.	L/E	L/E	L/E	L/E	L/E
FSO 20	PROVIDE FLEET TRAINING SERVICES.					
FSO 20.1	Act as a target for submarines.	F	F	F	F	
FSO 20.6	Act as delivery or receiving ship for UNREP training.			F		
FSO 20.10	Provide technical guidance and assistance to fleet units in cargo handling and UNREP operations.			F		F
FSO 20.11	Provide cargo handling training to assigned personnel and designated augmenters.			F	F	
FSO 51	REPAIR OWN UNIT'S FSO RELATED EQUIPMENT. I, R(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I or R stations.	L	F	L	F	F

T-AKE-1		I	III	R	IV	V
FSO 55	MAINTAIN READINESS BY PROVIDING FOR TRAINING OF OWN UNIT PERSONNEL.			F	F	F
INTELLIGENCE (INT)						
INT 2	PROVIDE INTELLIGENCE.					
INT 2.1	Maintain intelligence summary plots on air, surface and subsurface activities.	F	F		F	F
INT 2.2	Evaluate and disseminate intelligence information.	F	F		F	F
INT 3	CONDUCT SURVEILLANCE AND RECONNAISSANCE.					

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T-AKE-1		I	III	R	IV	V
INT 3.2	Conduct overt surveillance and reconnaissance operations.	F	F		F	
INT 4	CONDUCT OCEAN SURVEILLANCE OPERATIONS AGAINST TARGETS OF INTEREST.					
INT 4.1	Detect and locate targets of interest.	F	F	F	F	
INT 4.2	Classify and identify targets of interest.	F	F	F	F	
INT 4.3	Track targets of interest.	F	F	F	F	
LOGISTICS (LOG)						
LOG 1	CONDUCT UNREP.					
LOG 1.1	Transfer ammunition underway.			F		
LOG 1.2	Transfer ammunition underway by Standard Tensioned Replenishment Alongside Method (STREAM).			F		
LOG 1.3	Transfer cargo underway.			F		
LOG 1.4	Transfer cargo underway by STREAM.			F		
LOG 1.5	Transfer missiles underway.			F		
LOG 1.6	Transfer missiles underway by STREAM.			F		
LOG 1.7	Transfer Diesel Fuel Marine (DFM) underway by alongside method.			F		
LOG 1.8	Transfer DFM underway by STREAM.			F		

T-AKE-1		I	III	R	IV	V
LOG 1.9	Transfer jet fuel underway. R(L) - 2 fuel stations (double probe) and 1 to starboard (single probe) either DFM or Jet Propellant (JP-5).			L		
LOG 1.10	Transfer jet fuel underway by STREAM. R(L) - 2 fuel stations (double probe) and 1 to starboard (single probe) either DFM or JP-5.			L		
LOG 1.11	Provide Vertical Replenishment (VERTREP) underway.			F		
LOG 1.12	Replenish other units underway with limited fuel, provisions, munitions, potable and feed water.			L		

T-AKE-1		I	III	R	IV	V
	R(L)- Not able to provide feed water.					
LOG 1.15	Transfer torpedoes underway.			F		
LOG 1.16	Transfer torpedoes underway by STREAM.			F		
LOG 1.17	Transfer mines underway.			F		
LOG 1.18	Transfer mines underway by STREAM.			F		
LOG 1.19	Plan/direct UNREP.			F		
LOG 2	TRANSFER/RECEIVE CARGO AND PERSONNEL.					
LOG 2.2	Provide facilities and personnel for material, mail and passenger handling.		F	F	F	F
LOG 2.3	Act as a transient personnel receiving station.					F
LOG 2.4	Transfer and receive personnel by helo. I(L), III(L), IV(L), V(L) - Requires setting special detail.	L/E	L/E	F	L/E	L/E

T-AKE-1		I	III	R	IV	V
LOG 2.5	Transfer personnel and light freight by highline.			F		
LOG 2.6	Plan, direct and prioritize personnel, mail and cargo transfer and receipt in coordination with the Battle Group (BG)/task force logistics coordinator.		F	F	F	
LOG 3	PROVIDE SEALIFT FOR CARGO AND PERSONNEL.					
LOG 3.1	Provide stowage and berthing spaces for equipment and personnel during transit.	F	F	F	F	F
LOG 3.2	Provide small boat services for transfer of personnel, cargo, weapons, provisions and supplies.					F
LOG 4	SUPPORT SHIPS AND AIRCRAFT IN SUPPLIES, ORDNANCE AND OTHER SERVICES.					
LOG 4.1	Provide fuel and lubricating oil to another unit. R(L) - Limited fuel (18K			L		F

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	gallons) transfer capability.					
LOG 4.2	Stock, maintain, issue and provide security for weapons, ammunition pyrotechnics and acoustic evasion devices.	F	F	F	F	F
LOG 4.4	Provide another unit with:					
	(a) Electric power			F		F
	(b) Bottled oxygen			F		F
	(c) Bottled nitrogen			F		F
	(d) Fresh water			F		F
LOG 6	PROVIDE AIRLIFT OF CARGO AND PERSONNEL.					
LOG 6.1	Provide schedule/response airlift of cargo, mail and personnel.	F	F	F	F	F
LOG 6.2	Provide VERTREP services.	F	F	F	F	F

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LOG 8	CONDUCT MATERIAL CONTROL OPERATIONS (MATCONOFF).					
LOG 8.1	Screen material for all units in the group.		F	F	F	L
	V(L) - Plan and train.					
LOG 8.2	Consolidate receipt and trans-shipment of all group cargo and mail, including off-ship cargo operations in support of embarked forces.		F	F	F	L
	V(L) - Plan and train.					
LOG 8.3	Control all passenger movement to and from the group.		F	F	F	L
	V(L) - Plan and train.					
LOG 9	REPAIR OWN UNIT'S LOGISTICS EQUIPMENT.	L	F	F	F	L
	I, V(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I stations.					
LOG 10	CONDUCT CAUSALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S LOG CAPABILITIES.	L	F	F	F	L

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I, V(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I stations.						
MINE WARFARE (MIW)						
MIW 6 CONDUCT MAGNETIC SILENCING (DEGAUSSING, DEPERMING, ETC.)						
MIW 6.7	Maintain magnetic signature limits.	F	F	F	F	

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MIW 6.8	Maintain own unit's degaussing readiness.	F	F	F	F	
MOBILITY (MOB)						
MOB 1 OPERATE SHIP'S POWERPLANT TO DESIGNED CAPABILITY.						
MOB 1.1	Operate ship's power plant at full power.	F	F	F	F	
MOB 1.2	Operate ship's propulsion plant with split plant operations.	F	F	F	F	F
MOB 1.6	Maintain necessary machinery redundancy to enhance survival in high threat areas.	F	F	F	F	F
MOB 3 PREVENT AND CONTROL DAMAGE.						
MOB 3.1	Control fire, flooding, electrical, structural, propulsion and hull casualties. III, R, IV(L) - Watch station personnel and sounding/security watch provide damage control surveillance until Condition I is set. V(L) - Duty damage control party.	F	L/E	L/E	L/E	L/E
MOB 3.2	Counter and control CBR contaminants/agents. III, R, IV(L) - Reduced capability only until Condition I set. V(L) - Reduced capability due to personnel ashore.	F	L	L	L	L
MOB 3.3	Maintain security against	F	F	F	F	F

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	unfriendly acts.					
MOB 3.5	Provide damage control security/surveillance.	F	F	F	F	F
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	

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MOB 7	PERFORM SEAMANSHIP, AIRMANSHIP AND NAVIGATION TASKS.					
MOB 7.1	Navigate under all conditions of geographic location, weather and visibility.	F	F	F	F	
MOB 7.2	Conduct precision anchoring. I(L) - May require securing special team from Condition I.	L	F		F	
MOB 7.3	Get underway, moor, anchor and sortie with duty section in a safe manner. V(L) - Will require recall of personnel if more than four section liberty requirements are met.					L
MOB 7.6	Abandon/scuttle ship rapidly. III, R, IV(L) - Augmented by special detail.	F	L	L	L	
MOB 7.7	Provide life boat/raft capacity in accordance with unit's allowance.	F	F	F	F	F
MOB 7.8	Tow or be towed (towing engine not required). I(L) - Will require securing special detail from Condition I. II, IV(L) - Augmented by special detail.	L	F/E		F/E	
MOB 7.9	Operate day and night and under all weather conditions.	F	F	F	F	
MOB 7.10	Conduct undetected transits.	F	F	F	F	
MOB 7.15	Operate in a chemically contaminated environment.	F	F	F	F	F

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III, IV, V(L) - Plan and train.						
MOB 7.16	Recover man overboard (shipboard, boat or helicopter).	F	F	F	F	

T-AKE-1		I	III	R	IV	V
MOB 10 REPLENISH AT SEA.						
MOB 10.1	Receive VERTREP.	F	F	F	F	
MOB 10.2	Receive fuel while underway (alongside method).			F		
MOB 10.3	Receive munitions and provisions while underway.			F		
MOB 10.4	Receive potable and/or feed water while underway. R(L) - Limited to potable water.			L		
MOB 10.5	Receive Carrier Onboard Delivery (COD)/Vertical Onboard Delivery (VOD) aircraft. III, R, V(L) - Limited to Helo.		L	L	L	
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(L) -Battle messing only.	L	F	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

T-AKE-1		I	III	R	IV	V
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.	L	F	F	F	F

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T-AKE-1		I	III	R	IV	V
	I(L) - Maintain within the constraints of general quarters. Monitoring by general quarters watch standers only.					
MOB 12.5	Monitor the health and well being of the crew to ensure that habitability is consistent with approved habitability procedures and standards.	F	F	F	F	F
MOB 12.6	Ensure the 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
MOB 12.7	Provide individual protective clothing and equipment to sufficiently protect casualties in case of CBR contamination. I, R(L) - May require securing personnel from other battle/replenishment stations.	L	F	L	F	F

T-AKE-1		I	III	R	IV	V
MOB 12.8	Provide individual protective clothing and equipment to sufficiently protect shipboard personnel identified as being at risk in a CBR contaminated environment. R(L) - May require securing personnel from other replenishment stations.	F	F	L	F	F
MOB 12.9	Provide individual protective clothing and equipment to sufficiently protect assigned medical personnel aboard a ship at risk in a CBR contaminated environment. R(L) - May require securing	F	F	L	F	F

T-AKE-1		I	III	R	IV	V
	personnel from other replenishment stations.					
MOB 12.12	Provide antidotes to ship's company which will counteract the effects caused by a CBR contaminated environment. R(L) - May require securing personnel from other replenishment stations.	F	F	L	F	F
MOB 12.13	Train designated medical supervisors and non-medical personnel to detect CBR contaminated casualties.		F		F	F
MOB 12.14	Train designated non-medical personnel to decontaminate CBR casualties.		F		F	F
MOB 12.15	Identify, supply and maintain decontamination stations.	F	F	F	F	F

T-AKE-1		I	III	R	IV	V
MOB 17	PERFORM ORGANIZATIONAL LEVEL REPAIRS TO OWN UNIT'S MOB EQUIPMENT. I, R(L) - Emergency repairs to equipment to ship's mission. May require standing down selected personnel from Condition I or R stations.	F	F	F	F	
MOB 18	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S MOB CAPABILITIES. I, R(L) - Emergency repairs to equipment to ship's mission. May require standing down selected personnel from Condition I or R stations.	F	F	F	F	
MISSIONS OF STATE (MOS)						
MOS 1	PERFORM NAVAL DIPLOMATIC PRESENCE OPERATIONS.					
MOS 1.1	Establish a sovereign, mobile sea base in a forward area. IV,V(L) - Plan and train.	F	F		L	L
MOS 1.2	Conduct force/unit tour for					F

T-AKE-1		I	III	R	IV	V
	foreign dignitaries.					
MOS 1.3	Conduct systems/weapons demonstrations for foreign dignitaries.				F	
MOS 1.4	Conduct foreign port calls.					F
MOS 1.5	Conduct force/unit tours for foreign citizens during port calls.					F
MOS 1.6	Conduct receptions for foreign dignitaries during port calls.					F
MOS 1.7	Provide volunteers for small project assistance during port calls.					F

T-AKE-1		I	III	R	IV	V
MOS 1.8	Participate in military exercises with allied nations.	F	F	F	F	
MOS 1.9	Participate in military exercises with non-allied nations.				F	
MOS 1.10	Participate in or provide participants for foreign/allied commemorative or ceremonial events.				F	F
MOS 1.11	Provide lift of opportunity for foreign or national diplomatic material. III, R, IV, V(L) - Quantities that do not interfere with the regular combat capabilities or logistics load.		L	L	L	L
MOS 2	PROVIDE HUMANITARIAN ASSISTANCE.					
MOS 2.1	Deliver relief material. III, R, IV, V(L) - Quantities that do not interfere with the regular combat capabilities or logistics load.		L	L	L	L
MOS 2.2	Provide emergency flooding/fire fighting assistance.		F		F	F
MOS 2.4	Conduct force/unit tours for foreign citizens during port calls.		F		F	F
MOS 2.10	Support/provide for the evacuation of noncombatant		F		F	F

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T-AKE-1		I	III	R	IV	V
	personnel in areas of civil or international crisis.					
MOS 2.11	Support/conduct helicopter/boat evacuation of noncombatant personnel as directed by higher authority from areas of civil or international crisis.		F		F	F
MOS 2.12	Provide for embarkation, identification and processing of evacuees.		F		F	F

T-AKE-1		I	III	R	IV	V
MOS 2.13	Provide care, feeding and berthing of evacuees.		F		F	F
MOS 2.14	Provide transportation for evacuees to designated safe havens or onward processing centers.		F		F	F
MOS 2.15	Plan/direct the evacuation of non-combatant personnel in areas of civil or international crisis in both a permissive and non-permissive environment (including joint/combined operations). I(L) - Flight quarters manning must be augmented from other battle stations.	L	F		F	F
MOS 3	PERFORM PEACEKEEPING.					
MOS 3.2	Provide logistics support for a joint/allied peacekeeping force.		F	F	F	F
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 2.2	Provide clerical services. V(L) - Limited due to personnel ashore.		F		F	L
NCO 2.3	Provide disbursing services.		F		F	F
NCO 2.4	Provide post office services.		F		F	L

T-AKE-1		I	III	R	IV	V
	V(L) - Limited due to personnel ashore.					
NCO 2.5	Provide messing facilities. I(L) - Battle messing only.	L	F	F	F	F

T-AKE-1		I	III	R	IV	V
NCO 2.6	Provide ship's service facilities. V(L) - Limited due to personnel ashore.		F		F	L
NCO 2.7	Provide inventory and custodial services.		F	F	F	F
NCO 2.8	Provide personnel for living space maintenance.		F		F	F
NCO 2.9	Provide personnel for area command security.					F
NCO 2.11	Provide personnel for fuels support.			F		F
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.	L	L	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 (HAZMAT).		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, III, R, IV, V(L) - Limited to synoptic reports.	L	L	L	L	L
NCO 5.2	Collect and disseminate hydrographic information. I, III, R, IV, V(L) - Limited to synoptic reports.	L	L	L	L	L

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T-AKE-1		I	III	R	IV	V
NCO 10	PROVIDE EMERGENCY/DISASTER ASSISTANCE.					
NCO 10.1	Provide emergency flooding/fire fighting assistance to another unit. I(L) - Special detail must be secured. III, IV(L) - Augmented by special detail. V(L) - Capability reduced due to personnel ashore.	L	F		F	F
NCO 10.4	Provide disaster assistance and evacuation. III, IV, V(L) - Augmented by special detail.		L		L	L
NCO 11	SUPPORT/CONDUCT FOR THE EVACUATION OF NONCOMBATANT PERSONNEL IN AREAS OF CIVIL OR INTERNATIONAL CRISIS.					
NCO 11.1	Support/conduct helicopter/boat evacuation of noncombatant personnel as directed by higher authority from areas of civil or international crisis.			F	F	F
NCO 11.3	Provide care, feeding and berthing of evacuees. I(L) - Battle messing and emergency care only.					

T-AKE-1		I	III	R	IV	V
NCO 11.4	Provide transportation for evacuees to designated safe havens or onward processing centers. IV, V(L) - Limited by number of personnel onboard and availability of transport vehicles (ground and air) and on a basis not to interfere with ship's current tasking from higher authority.				L	L
NCO 24	SUPPORT/CONDUCT ROTARY WING AIRCRAFT OPERATIONS.					

T-AKE-1		I	III	R	IV	V
NCO 24.1	Support/conduct day rotary wing aircraft flight operations. I(L) - Co-manned by Repair III/Helo det personnel.	L/E	F/E	F/E	F/E	F/E
NCO 24.2	Support/conduct night rotary wing aircraft flight operations. I(L) - Co-manned by Repair III/Helo det personnel.	L/E	F/E	F/E	F/E	F/E
NCO 24.3	Support/conduct night rotary wing aircraft flight operations during all EMCON conditions. I(L) - Co-manned by Repair III/Helo det personnel.	L/E	F/E	F/E	F/E	F/E
NCO 24.4	Support/conduct night rotary wing aircraft hot and cold refueling operations. I(L) - Co-manned by Repair III/Helo det personnel.	L/E	F/E	F/E	F/E	F/E

T-AKE-1		I	III	R	IV	V
NCO 24.5	Provide electrical power for rotary wing aircraft starting, testing, etc. I, R, V(L)- Co-manned by Repair III/Helo det personnel.	L	F	L	F	L
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.	F	F	F	F	F
STRATEGIC SEALIFT (STS)						
STS 1	LOAD, DISCHARGE AND TRANSPORT DRY CARGO.					
STS 1.1	Use ship's cargo rigs to load and discharge breakbulk cargo.			F		F

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STS 1.9	Ensure that designed cargo spaces are usable for the carriage of cargo.		F	F	F	F
STS 1.11	Use ship's UNREP receiving gear to transfer cargo to another vessel underway.			F		
STS 2	LOAD, DISCHARGE AND TRANSPORT PETROLEUM, OIL, & LUBRICANTS (POL).					
STS 2.1	Provide liquid cargo tanks and piping systems suitable for carriage of POL.	F	F	F	F	F
STS 2.2	Provide cargo systems with segregation necessary to carry multiple products. R(L) - Capable of providing DFM and JP-5 fuels.			F/L		
STS 2.3	Maintain ship's cargo tanks suitably coated to carry clean POL products.		F	F	F	F

T-AKE-1		I	III	R	IV	V
STS 2.4	Use ship's pumps to discharge POL. V(L) - Plan and train.			F		L
STS 2.5	Use ship's UNREP receiving gear to consolidate to another vessel underway. V(L) - Plan and train.			F		L
STS 3	TRANSPORT PASSENGERS.					
STS 3.1	Conduct helo flight quarters for personnel transfer.		F	F	F	