



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

IN REPLY REFER TO
OPNAVINST 3501.155B
N42
11 Oct 07

OPNAV INSTRUCTION 3501.155B

From: CHIEF OF NAVAL OPERATIONS

Subj: REQUIRED OPERATIONAL CAPABILITIES (ROC) AND PROJECTED
OPERATIONAL ENVIRONMENT (POE) FOR THE T-AO 187 (HENRY J.
KAISER) CLASS FLEET OILER WITH MSC MANNING

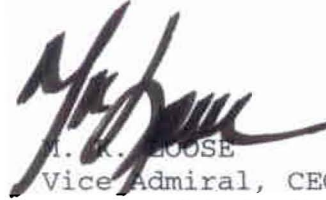
Ref: (a) OPNAVINST C3501.2J (NOTAL)
(b) NTTTP 1-03.3 (Rev A)

Encl: (1) POE for T-AO-187 (HENRY J. KAISER) Class Fleet Oiler
(2) ROC for T-AO-187 (HENRY J. KAISER) Class Fleet Oiler

1. Purpose. To issue the Required Operational Capabilities (ROC) and Projected Operational Environment (POE) for the T-AO-187 (HENRY J. KAISER) Class Fleet Oiler.
2. Cancellation. OPNAVINST 3501.155A
3. Discussion. Enclosures (1) and (2) have been prepared per reference (a). The ROC and POE provide the necessary detail to describe the mission areas, environment, and operational capabilities for which the T-AO-187 (HENRY J. KAISER) Class Fleet Oiler was designed and organized as required by reference (a). This instruction provides resourcing agencies information concerning T-AO-187 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 required operational capabilities within each primary and secondary mission area. Primary mission area readiness ratings (M-ratings) should be reported utilizing the Status of Resources and Training System Joint Report - Navy (SORTSREPNV) in accordance with reference (b).
4. 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 T-AO-187 (Henry J. Kaiser) Class Fleet Oiler Ship are significantly

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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-AO-187 (HENRY J. KAISER) CLASS FLEET OILER

1. The mission of the T-AO-187 Class is to operate logistically in a high density, multi-threat environment as a replenishment ship to a Carrier Strike Group(s) (CSG), Surface Action Group(s) (SAG), Expeditionary Strike Group(s) (ESG) or independent ships, as required.
2. The most demanding operating environment anticipated for the T-AO-187 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 can be equally as 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. A substantial percentage of future operations is anticipated to be in the joint arena, potentially requiring continuous operations in this contentious littoral environment.
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 T-AO-187 Class can be expected to conduct Underway Replenishment (UNREP) in support of operating forces by providing fuel (Naval Distillate Fuel: (NATO Symbol F-76) and/or Jet Propellant (JP-5)) from five Fueling at Sea (FAS) stations (two starboard, three port) and capable of performing astern refueling via a portable rig; providing, fleet freight, mail, and other items from two cargo Standard Tensioned Replenishment Alongside Method (STREAM) stations (one starboard, one port). A maximum of five replenishment stations will be manned simultaneously to accomplish fueling, cargo transfer, or a combination of both. The selection of stations will be based on the customer requirements and capabilities. For purposes of Activity Manpower Document (AMD) development, UNREP hours are considered to commence with the "first line over" and terminate with "last line clear". All workload such as rigging, pre-staging cargo, safety briefings, etc., will be counted under Utility Tasks and Evolutions (UT&E).

6. The T-AO-187 oilers conduct Vertical Replenishment (VERTREP) in support of operating forces to provide fleet freight, mail, and other items using helicopters from another unit. VERTREP can be conducted simultaneously with UNREP only when three or less stations are manned. See paragraph 8 for 3-station oiler capability. All workload such as pre-staging cargo, safety briefings, etc., will be counted under UT&E.

7. During UNREP operations, rigs will not be sent to two ships at the same time. Rigs will be sent to a second ship after commencement of fuel and/or cargo transfer to the first ship, and only after securing non-essential line handlers from rig stations to the first ship. Starboard and port fuel and cargo rigs normally are streamed simultaneously to all ships except for Aircraft Carrier (CV), Nuclear Carrier (CVN), Amphibious Assault Ship (LHD or LHA) or ships with unique station configuration. Fuel rigs will normally be rigged first, followed by cargo rigs, for CV/CVN, etc. ship replenishment. After rig connection, non-essential line handlers on the fuel stations will assist in cargo transfer and handling.

8. Resulting from Commander, U.S. Pacific Fleet (COMPACFLT) and Commander, U. S. Fleet Forces Command (COMUSFLTFORCOM) cost saving initiatives, certain T-AO 187 oilers are manned to support UNREP operations at a maximum of 3 replenishment stations simultaneously. On the 3 station T-AOs, all replenishment stations will be maintained in a fully operational status, specific station manning will be based on customer requirements and capabilities. Due to the reduced manning levels, VERTREP operations can be conducted simultaneously with only 1 UNREP station in operation.

REQUIRED OPERATIONAL CAPABILITIES (ROC)
 FOR
 T-AO-187 (HENRY J. KAISER) CLASS FLEET OILER

1. The T-AO-187 Class ship's mission is to operate in a high-density multi-threat environment as a replenishment ship to a Carrier Strike Group(s) (CSG), Surface Action Group(s) (SAG), Expeditionary Strike Group(s) (ESG) or independent ships, as required. In addition, the T-AO-187 provides its own very limited Anti-surface Ship Warfare (ASU) and Anti-Submarine Warfare (ASW) self-defense. Accordingly, the following primary and secondary warfare mission areas are assigned:

T-AO-187										
ASU	ASW	CCC	C ² W	FSO	INT	LOG	MIW	MOB	MOS	NCO
S	S	P	S	S	S	P	S	P	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 perform all offensive and defensive functions 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. For the T-AO-187, this condition means self-defense measures are being performed. Evolutions such as replenishment, law enforcement, or logistics helo operations are not appropriate unless the evolution stations are co-manned by personnel from other battle stations. The maximum expected continuous crew endurance for Condition I is 24 hours.

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

Reduced defensive 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 maintenance, support and administrative functions. For the T-AO-187, 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

Conduct Underway Replenishment (UNREP) in support of operating forces by providing fuel (Naval Distillate Fuel: (NATO Symbol F-76) or Jet Propellant (JP-5)) from five Fueling At Sea (FAS) stations (two starboard and three port) and fleet freight, mail, and other items from two cargo Standard Tensioned Replenishment Alongside Method (STREAM) stations (one starboard and one port). Conduct Vertical Replenishment (VERTREP) in support of operating forces to provide fleet freight, mail, personnel, and other items utilizing 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 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	Indefinitely manned to design capacity	Indefinitely manned to less than design capacity
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

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-AO 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.

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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-AO-187		I	III	R	IV	V
ANTISURFACE SHIP WARFARE (ASU)						
ASU 4	DETECT, IDENTIFY, LOCALIZE AND TRACK SURFACE SHIP TARGETS.					
ASU 4.1	Detect, localize and track surface contacts with radar. IV, V(L) - Plan and train.	F	F	F	F	L
ASU 4.4	Detect, identify, classify and track surface contacts visually. IV, V (L) - Plan and train.	F	F	F	F	L
ASU 4.7	Identify surface contacts. IV, V(L) - Plan and train.	F	F	F	F	L
ASU 6 DISENGAGE, EVADE AND AVOID SURFACE ATTACK.						
ASU 6.2	Employ evasion techniques. R(L) - Limited maneuverability during Connected Replenishment (CONREP). V(L) - Plan and train.	F	F	L	F	L
ASU 6.3	Employ EMCON procedures. V(L) - Plan and train.	F	F	F	F	F
ASU 14	REPAIR OWN UNIT'S ASU EQUIPMENT I(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I stations.	L	F	F	F	F
ANTISUBMARINE WARFARE (ASW)						
ASW 8	DISENGAGE, EVADE, AVOID AND DECEIVE SUBMARINES.					
ASW 8.1	Employ torpedo countermeasures and evasion techniques. IV, V(L) - Plan and train.	F	F		L	L

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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. I, III, R, IV(L) - No SAR swimmer capability.	F	F		F	
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 of classified material and equipment rapidly and efficiently. III, IV, V(L) - Plan and train.	F	L		L	L
CCC 3.11	Establish voice communications with supported forces.	F	F	F	F	F
CCC 6	PROVIDE COMMUNICATIONS FOR OWN UNIT.					
CCC 6.1	Maintain tactical voice communications. V(L) - Plan and train.	F	F	F	F	L/A

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CCC 6.2	Maintain visual communications. I(L) - Work one contact. R(L) - Work two contacts with supervisor, phone talker/recorder and two messengers. III, IV(L) - Work one contact with operator on watch, recording performed as required by another bridge-area watch stander or off- watch personnel. V(L) - Work one contact for administrative traffic.	L	L	L	L	L/A
CCC 6.3	Maintain multi-channel cryptographically covered teletype/data receive circuits.	F	F	F	F	F/A
CCC 6.5	Maintain full duplex, cryptographically-covered High Frequency (HF) teletype/data circuits.	F	F	F	F	F/A
CCC 6.6	Process messages. V(L) - Plan and train.	F	F	F	F	F/A
CCC 6.10	Maintain voice/teletype/computer data cryptographically covered satellite communication circuits.	F	F	F	F	F/A
CCC 6.12	Maintain internal communications systems.	F	F	F	F	F
CCC 6.19	Provide tactical, secure voice or data communications. V(L) - Plan and train.	F	F	F	F	F/A

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CCC 9 RELAY COMMUNICATIONS.						
CCC 9.1	Relay visual communications. I(L) - Work one contact. R(L) - Work two contacts with supervisor, phone talker/recorder, and two messengers. III, IV(L) - Work one contact with operator on watch, recording performed as required by another bridge-area watch stander or off-watch personnel. V(L) Work one contact for administrative traffic.	L	L	L	L	L/A
CCC 9.3	Relay electronic communications. V(L) - Capability limited to single point-to-point circuit.	F	F/A	F	F/A	L
CCC 19	REPAIR OWN UNIT'S CCC EQUIPMENT. I(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I stations.	L	F	F	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 Emission Control (EMCON) condition.	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.	F	F	F	F	F
C ² W 4.12	Execute OPSEC measures.	F	F	F	F	F/A

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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	F	F	F/A
FLEET SUPPORT OPERATIONS (FSO)						
FSO 3	PROVIDE SUPPORT SERVICES TO OTHER UNITS.					
FSO 3.3	Support aircraft (when assigned).	F	F	F	F	F
FSO 5	CONDUCT TOWING/SEARCH/SALVAGE/RESCUE OPERATIONS.					
FSO 5.3	Conduct rescue operations. I(L) - Secure personnel for special detail.	L/E	F		F	
FSO 6	SUPPORT/CONDUCT SAR OPERATIONS IN A COMBAT/NONCOMBAT ENVIRONMENT.					
FSO 6.2	Conduct combat/noncombatant SAR operations by surface ships. I(L) - Selected personnel must stand down from Condition I stations to man SAR boat or deck recovery operations. I, III, IV(L) - No SAR swimmer Capability.	F	F		F	
FSO 6.4	Recover man overboard. I(L) - Rescue requires personnel from other battle stations. R(L) - Helo only.	L/E	F/E	L/E	F/E	F/E

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FSO 6.6	Conduct SAR operations (including operations involving submarine disaster/rescues). I(L) - Rescue requires personnel from other battle stations. R(L) - Helo only. I, III, R, IV(L) - No SAR swimmer capability.	L/E	F/E	L/E	F/E	
FSO 6.7	Conduct general surveillance. R(L) - Capability limited by restricted maneuvering.	F	F	L	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/A	F/A	F/A	
FSO 6.11	Conduct multi-unit SAR operations. I, III, IV(L) - No SAR swimmer capability.	F	F/A		F/A	
FSO 9	PROVIDE MEDICAL CARE TO ASSIGNED AND EMBARKED PERSONNEL. Note: Services provided by civilian Physician's Assistant (PA) and Independent Duty Corpsman (IDC).					
FSO 9.1	Conduct sick call. V(L) - Make use of shore facilities and staff.		F		F	L
FSO 9.4	Conduct basic ward care. I, III, R, IV, V(L) - For use in emergency cases when Medical Evacuation (MEDEVAC) is not possible or when return to duty can be expected in a short time.	L	L	L	L	L

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FSO 9.5	Conduct sanitation and safety inspections.		F		F	F
FSO 9.6	Conduct occupational health/safety and preventative medicine programs and training using the following personnel: (z) other Medical Services Officer (MSO)		F		F	F
FSO 9.9	Conduct associated administrative/maintenance services: (a) Maintain adequate medical supplies for appropriate level health care. (c) Provide patient/casualty administrative services. (d) Perform routine medical administrative services.		F		F	F
FSO 9.10	Conduct on-site emergency medical treatment during hazardous evolutions including flight quarters and Underway Replenishment (UNREP)/refueling operations.		F/A	F/A	F/A	
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 medical supplies.	F	F	F	F	F

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FSO 9.19	(U) Provide medical care, triage and resuscitation commensurate with health care provider credentials using the following personnel: (a) IDC V(L) - Make use of shore facilities and staff.	F	F	F	F	L
FSO 10	PROVIDE FIRST AID ASSISTANCE.					
FSO 10.1	Identify, equip and maintain appropriate first aid spaces.	F	F	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 and embarked personnel in triage care.		F		F	F
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
FSO 11.5	Train designated non-medical personnel in CBR casualty decontaminated procedures.		F		F	F
FSO 11.7	Provide medical treatment for CBR casualties.	L	L	L	L	L
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	F

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FSO 12.5	Identify, equip and maintain suitable spaces for emergency minor surgery.	F	F	F	F	F
FSO 13	PROVIDE MEDICAL, SURGICAL, POST-OPERATIVE AND NURSING CARE FOR CASUALTIES/PATIENTS.					
FSO 13.7	Provide surgery by Primary Care Medical Officer. All (L) - Minor/Emergency surgery by PA/MSO.	L	L	L	L	L
FSO 13.15	Conduct convalescent ward care. V(L) - Limited to occupational related cases.	F	F	F	F	L
FSO 14	PROVIDE MEDICAL REGULATION, TRANSPORT/EVACUATION AND RECEIPT OF CASUALTIES/PATIENTS.					
FSO 14.4	Transport and/or provide for casualty/patient evacuation.		F		F	F
FSO 20	PROVIDE FLEET TRAINING SERVICES.					
FSO 20.1	Act as target for submarines.		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	F	F
FSO 20.11	Provide cargo handling training to assigned personnel and designated augmenters.		F	F/A	F	F
FSO 51	REPAIR OWN UNIT'S FSO-RELATED EQUIPMENT. I(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I stations.	L	F	F	F	F

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FSO 55	MAINTAIN READINESS BY PROVIDING FOR TRAINING OF OWN UNIT'S PERSONNEL.		F	F	F	F
INTELLIGENCE (INT)						
INT 3	CONDUCT SURVEILLANCE AND RECONNAISSANCE.					
INT 3.2	Conduct overt surveillance and reconnaissance operations. V(L) - plan and train.	F	F	F	F	L
INT 4	CONDUCT OCEAN SURVEILLANCE OPERATIONS AGAINST TARGETS OF INTEREST.					
INT 4.1	Detect and locate targets of interest. V(L) - Plan and train.	F	F	F	F	L
INT 4.2	Classify and identify targets of interest. V(L) - Plan and train.	F	F	F	F	L
INT 4.3	Track targets of interest. V(L) - plan and train.	F	F	F	F	L
LOGISTICS (LOG)						
LOG 1	CONDUCT UNREP.					
LOG 1.3	Transfer cargo underway.			F		
LOG 1.4	Transfer cargo underway by Standard Tensioned Replenishment Alongside Method (STREAM).			F		
LOG 1.7	Transfer Diesel Fuel Marine (DFM) underway by alongside/astern method. R(L) - Alongside only. 3 fuel rigs to port, 2 to starboard.			L		
LOG 1.8	Transfer DFM underway by STREAM. R(L) - 3 fuel rigs to port, 2 to starboard.			L		

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LOG 1.9 Transfer jet fuel underway.			L		

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	R(L) - 3 fuel rigs to port, 2 to starboard.					
LOG 1.10	Transfer jet fuel underway by STREAM. R(L) - 3 fuel rigs to port, 2 to starboard.			L		
LOG 1.11	Provide Vertical Replenishment (VERTREP) underway. R(L) - Use non organic helo.			L		
LOG 1.12	Replenish other units underway with limited fuel, provisions, munitions, potable and feed water.			F		
LOG 1.19	Plan/direct UNREP.		F	F	F	
LOG 2	TRANSFER/RECEIVE CARGO AND PERSONNEL.					
LOG 2.2	Provide facilities and personnel for material, mail and passenger handling.		F/A	F/A	F/A	
LOG 2.3	Act as transient personnel receiving station.		F/A	F/A	F/A	
LOG 2.4	Transfer and receive personnel by helo.		F/E	F/E	F/E	
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

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LOG 3.2	Provide small boat services for transfer of personnel, cargo, weapons, provisions and supplies.		F		F	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, V(L) - Drummed lubrication oil only.			L		L
LOG 4.4	Provide another unit with: (b) Electrical power (c) Bottled oxygen (d) Bottled nitrogen (e) Fresh water (f) Feed water R, V(L) - Limited quantities.					F
				L		L/A
				L		L/A
				L		L/A
				L		
LOG 6	PROVIDE AIRLIFT OF CARGO AND PERSONNEL.					
LOG 6.1	Provide schedule/response airlift of cargo, mail and personnel. R(L) - Use non-organic helo.			L		
LOG 6.2	Provide VERTREP services. R(L) - Use non-organic helo.			L		
LOG 9	REPAIR OWN UNIT'S LOGISTICS EQUIPMENT. I(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I stations.	L	F	F	F	F

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LOG 10	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S LOG CAPABILITIES. (L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Condition I stations.	L	F/E	F/E	F/E	F/E
MINE WARFARE (MIW)						
MIW 6	CONDUCT MAGNETIC SILENCING (DEGAUSSING, DEPERMING, ETC.)					
MIW 6.7	Maintain magnetic signature limits.	F	F	F	F	
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	Steam with split plant operations.	F	F	F	F	
MOB 1.5	Operate at sustained BG/ Surface Action Group (SAG)/ Underway Replenishment Group (URG)/amphibious force speeds.	F	F	F	F	
MOB 1.6	Maintain necessary machinery redundancy to enhance survival in high threat areas.	F	F	F	F	F
MOB 1.7	Transit at high speed.	F	F		F	F
MOB 1.11	Operate employing diesel engines.	F	F	F	F	F
MOB 3	PREVENT AND CONTROL DAMAGE.					
MOB 3.1	Control fire, flooding, electrical, structural, propulsion and hull casualties.	F	F/E	F/E	F/E	F/E
MOB 3.2	Counter and control CBR contaminants/agents.	F	F/E	F/E	F/E	F/E

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MOB 3.3	Maintain security against	F	F	F	F	F

	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	
MOB 7	PERFORM SEAMANSHIP, AIRMANSHIP AND NAVIGATION TASKS.					
MOB 7.1	Navigate under all conditions of geographic location, weather and visibility.	F	F/E	F/E	F/E	
MOB 7.2	Conduct precision anchoring. I(L) - To achieve full capability, designated personnel must stand down from their other battle stations to man the anchor handling equipment.	L/E	F/E		F/E	
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/E
MOB 7.6	Abandon/scuttle ship rapidly. III, IV, V(L) - Plan and train.	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) - To achieve full capability, selected personnel must stand down from Condition I stations to man towing detail.	L/E	F/E		F/E	

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MOB 7.9	Operate day and night and under	F	F	F	F	

	all weather conditions.					
MOB 7.10	Conduct undetected transits.	F	F	F	F	
MOB 7.15	Operate in a chemically contaminated environment.	F	F	F	F	
MOB 7.16	Recover man overboard (shipboard, boat or helicopter). I(L) - Requires standing down selected personnel from their Condition I status. R(L) - Helo, when embarked, only. V(L) - Shipboard, boat and pier recovery only. I, III, R, IV(L) - No SAR swimmer capability.	L/E	F/E	L/E	F/E	L/E
MOB 10	REPLENISH AT SEA.					
MOB 10.1	Receive VERTREP. V(L) - At anchor only.			F		L/E
MOB 10.2	Receive fuel while underway (alongside method). R(L) - Alongside only. 3 fuel rigs to port, 2 to starboard.			L		
MOB 10.3	Receive munitions and provisions while underway.			F		
MOB 10.4	Receive potable and/or feed water while underway.			F		
MOB 10.5	Receive Carrier Onboard Delivery (COD)/Vertical Onboard Delivery (VOD) aircraft.			F		

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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) - Requires securing food distribution personnel from condition I stations at Master's discretion.	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	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. I(L) - Maintain within the constraints of general quarters. Monitoring by general quarters watch standers only.	F	F	F	F	F
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

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MOB 12.6	Ensure the operation and		F	L	F	F

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	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.					
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 replenishment stations.	L	F	L	F	F
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.	F	F	L	F	F
MOB 12.12	Provide antidotes to ship's company which will counteract the effects caused by a CBR contaminated environment.	F	F	L	F	F
MOB 12.13	Train designated medical supervisors and non-medical personnel to detect CBR contaminated casualties.		F		F	F

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MOB 12.14 Train designated non-medical		F		F	F

	personnel to decontaminate CBR casualties.					
MOB 12.15	Identify, supply and maintain decontamination stations.	F	F	F	F	F
MOB 17	PERFORM ORGANIZATIONAL LEVEL REPAIRS TO OWN UNIT'S MOB EQUIPMENT. I, R(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from Condition I or R stations.	L	F	L	F	F
MOB 18	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S MOB EQUIPMENT. I, R(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from Condition I or R stations.	L	F	L	F	F
MISSION OF STATE (MOS) Note: All helicopter operations are supported by non-organic helo assets.						
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 foreign dignitaries.		F/A		F/A	F/A
MOS 1.3	Conduct systems/weapons demonstrations for foreign dignitaries.		F/A	F/A	F/A	F/A
MOS 1.4	Conduct foreign port calls.					F

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MOS 1.5	Conduct force/unit tours for foreign citizens during port calls.					F/A
MOS 1.6	Conduct receptions for foreign dignitaries during port calls.					F/A
MOS 1.7	Provide volunteers for small project assistance during port calls.					F/A
MOS 1.8	Participate in military exercises with allied nations.		F	F	F/A	F/A
MOS 1.9	Participate in military exercises with non-allied nations.		F	F	F/A	F/A
MOS 1.10	Participate in or provide participants for foreign/allied commemorative or ceremonial events.				F/E	F/E
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/E		F/E	F/E
MOS 2.4	Provide disaster assistance and evacuation.		F/E		F/E	F/E
MOS 2.10	Support/provide for the evacuation of noncombatant personnel in areas of civil or international crisis.		F/A		F/A	F/A

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MOS 2.11	Support/conduct helicopter/		F/A		F/A	F/A

	boat evacuation of non-combatant personnel as directed by higher authority from areas of civil or international crisis. (L) - Non-organic helicopter.					
MOS 2.12	Provide for embarkation, identification and processing of evacuees.		F/A		F/A	F/A
MOS 2.13	Provide care, feeding and berthing of evacuees.		F/A		F/A	F/A
MOS 2.14	Provide transportation for evacuees to designated safe havens or onward processing centers.		F/A		F/A	F/A
MOS 2.15	Plan/direct the evacuation of noncombatant 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/A		F/A	F/A
MOS 3 PERFORM PEACEKEEPING.						
MOS 3.2	Provide logistics support for a joint/allied peacekeeping force. I(L) - Flight quarters manning must be augmented from other battle stations.	L	F/A	F/A	F/A	F/A

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NONCOMBATANT OPERATIONS (NCO)					
NCO 2 PROVIDE ADMINISTRATIVE AND SUPPLY					

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SUPPORT FOR OWN UNIT.						
NCO 2.1	Provide supply support services. I(L) - Emergency supply support services.	L/E	F	F	F	F
NCO 2.2	Provide clerical services.		F		F	F
NCO 2.3	Provide disbursing services. III, IV, V(L) - Ship provides check cashing facilities only. Paychecks are mailed to the ship and disbursed by the purser.		L		L	L
NCO 2.4	Provide post office services. (L) - Receipt, processing, and distribution of incoming and outgoing mail only (no money order, stamp, etc. services).		L	L	L	L
NCO 2.5	Provide messing facilities. I(L) - Battle messing only.	L	F	F	F	F
NCO 2.6	Provide ship's service facilities.		F		F	F
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 2.11	Provide personnel for fuel support.		F		F	F
NCO 3	PROVIDE UPKEEP AND MAINTENANCE OF OWN UNIT.					
NCO 3.1	Provide organizational level preventive maintenance.		F	F	F	F

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NCO 3.2	Provide organizational level corrective maintenance.	L	F	F	F	F

	I(L) - Emergency repairs to equipment critical to ship's or embarked staff mission. May require selected personnel standing down from their Condition I or R stations.					
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
NCO 5	CONDUCT METEOROLOGICAL, HYDROGRAPHIC AND/OR OCEANOGRAPHIC COLLECTION OPERATIONS OR SURVEYS.					
NCO 5.1	Collect and disseminate meteorological information. All(L) - Synoptic reports.	L	L	L	L	L
NCO 5.2	Collect and disseminate Hydrographic information. All(L) - Synoptic reports.	L	L	L	L	L
NCO 10	PROVIDE EMERGENCY/DISASTER ASSISTANCE.					
NCO 10.1	Provide emergency flooding/ firefighting assistance to another unit. I(L) - Requires securing personnel battle stations.	L	F/E		F/E	F/E
NCO 10.4	Provide disaster assistance and evacuation. I(L) - Requires securing personnel battle stations.	L/A	F/A		F/A	F/A

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NCO 24	SUPPORT/CONDUCT ROTARY WING AIRCRAFT OPERATIONS.					

Note: All services provided by the Civil Mariner (CIVMAR).						
NCO 24.1	Support/conduct day rotary wing aircraft flight operations. I(L) - Co-manned by Repair III personnel. V(L) - At anchor only.	L/E	F/E	F/E	F/E	L
NCO 24.2	Support/conduct night rotary wing aircraft flight operations. I(L) - Co-manned by Repair III personnel. V(L) - At anchor only.	L/E	F/E	F	F/E	L
NCO 24.3	Support/conduct night rotary wing aircraft flight operations during all EMCON conditions. I(L) - Co-manned by Repair III personnel. V(L) - At anchor only.	L/E	F/E	F/E	F/E	L
NCO 24.4	Support/conduct night rotary wing aircraft hot and cold refueling operations. I(L) - Co-manned by Repair III personnel. V(L) - At anchor only.	L/E	F/E	F/E	F/E	L
NCO 24.5	Provide electrical power for rotary wing aircraft starting, testing, etc.	F	F	F	F	

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NCO 25	CONDUCT MARINE ENVIRONMENTAL PROTECTION.					
NCO 25.1	Detect oil or hazardous	F	F	F	F	F

	chemical spill.					
NCO 25.2	Report spills to proper authority.	F	F	F	F	F
NCO 25.3	Conduct pollution abatement operations.		F/E	F/E	F/E	F/E