



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, DC 20350-2000

IN REPLY REFER TO
OPNAVINST 3501.388
N42
14 Feb 2012

OPNAV INSTRUCTION 3501.388

From: Chief of Naval Operations

Subj: REQUIRED OPERATIONAL CAPABILITIES AND PROJECTED
OPERATIONAL ENVIRONMENT FOR JOINT HIGH SPEED VESSEL
LOGISTICS SHIPS

Ref: (a) OPNAVINST C3501.2K (NOTAL)

Encl: (1) Projected Operational Environment (POE) for JHSV
Logistics Ships.
(2) Required Operational Capabilities (ROC) for JHSV
Logistics Ships.

1. Purpose. This issues the required operational capabilities (ROC) and the projected operational environment (POE) for joint high speed vessel (JHSV) logistics ships.

2. Discussion. Enclosures (1) and (2) have been prepared per reference (a). The ROC and POE provide the necessary details to describe the mission areas, environment, and operational capabilities for which the JHSV was designed and organized as required by reference (a). It provides resource agencies information concerning JHSV mission requirements, capabilities, and the types and locations of expected operations. The following guidelines apply to the format and interpretation of the ROC and POE:

a. This instruction reflects the decision by Army and Navy leadership to transfer programmatic oversight and management of the Army's JHSV program to Navy.

b. Like commercial ships, the JHSVs will be operated following requirements imposed by regulatory bodies, port states or operating contracts.

c. Administrative control and life cycle management of all JHSVs will be provided by the Military Sealift Command.

d. The JHSV will be an auxiliary, non-warship vessel with a civilian crew and will provide significant logistical and operational capability to the combatant commanders (COCOM). The vessel will provide logistical support in austere, benign and permissive (non-combat) environments.

e. At the lower end of the range of military operations, the JHSV will support forward presence and deterrence operations providing lift for tailored, modular forces into areas where austere, unimproved or degraded port facilities preclude access by larger ships.

f. At the higher end of the range of military operations, the JHSV will support the closure of forces for combat operations, particularly in support of seabased operations (limited to Sea State 1 operations).

g. The JHSV will be a high-speed, highly maneuverable multi-mission platform that will provide COCOMS expanded operational flexibility to support a variety of missions including rapid force closure to and from a variety of ports and sea bases.

h. While it will transport operational combat-ready units, the JHSV will not provide an assault capability. It will be capable of transporting nearly all classes of military tactical vehicles plus other cargo, equipment, and personnel in the littoral region.

3. Action. Fleet commanders and Commander, Military Sealift Command are requested to annually review enclosures (1) and (2) and recommend changes to the Chief of Naval Operations (Attention: Strategic Mobility and Combat Logistics Division (N42)).

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4. Records Management. Records created as a result of this instruction, regardless of media and format, shall be managed per Secretary of the Navy Manual 5210.1 of November 2007.



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**PROJECTED OPERATIONAL ENVIRONMENT (POE)
FOR
JHSV LOGISTICS SHIPS**

1. The JHSV mission is to deliver supplies and operationally ready units over intra-theater ranges to shallow draft, austere and degraded ports. The JHSV provides the group or force a high speed, shallow draft surface lift capability to transport medium payloads of cargo and personnel over intra-theater distances, reconfigure and rearrange loads when missions change and ingress to or egress from port facilities that are too austere or shallow for larger ships. The JHSV, while performing a variety of lift and support missions, is a non-combatant vessel which will operate in permissive environments or in higher threat environments under the protection of combatant vessels and other joint forces.

2. The most demanding operating environment anticipated for the JHSV is forward deployed wartime operations within the littorals in cooperation with designated joint and allied forces, including operations involving land and sea-based aviation. These operations are frequently characterized by confined and congested water and air space occupied by friends, adversaries, and neutrals. A substantial percentage of operations will be conducted within the highly variable littoral environment with joint and allied partners.

3. The JHSV is capable of performing all assigned primary mission areas simultaneously while maintaining readiness condition I, III (wartime and forward deployment cruising readiness), IV (peacetime training underway operations) or V (in port training and maintenance).

4. The JHSV is capable of transporting 600 short tons of troops, supplies, and equipment at an average speed of 35 knots over a distance of 1200 nautical miles (wave height of 1.25 meters) before needing to refuel.

**REQUIRED OPERATIONAL CAPABILITIES (ROC)
FOR
JHSV LOGISTICS SHIPS**

1. The JHSV mission is to deliver supplies and operationally ready units over intra-theater ranges to shallow draft, austere and degraded ports. The JHSV provides the group or force a high speed, shallow draft surface lift capability to transport medium payloads of cargo and personnel over intra-theater distances, reconfigure and rearrange loads when missions change and ingress to or egress from port facilities that are too austere or shallow for larger ships. The JHSV, while performing a variety of lift and support missions, is a non-combatant vessel which will operate in permissive environments or in higher threat environments under the protection of combatant vessels and other joint forces. Furthermore, while the vessel is designed to embark and disembark operationally ready units with unit integrity, it is not designed with an assault capability for amphibious operations. Additionally, while JHSV provides for an aviation capability, permanent embarkation of aviation assets is not a core mission of the vessel. Accordingly, the following primary (P) and secondary (S) warfare mission areas are assigned:

JOINT HIGH SPEED VESSEL									
AMW	CCC	FHP	FSO	LOG	MOB	MOS	NCO	NSW	STS
S*	S*	S	S	P	P	S	S	S*	S (Note)

*Mission areas may only be accomplished on the JHSV when augmented by Navy or other service command elements providing additional command and control, equipment and or expertise.

Note: JHSV is not considered a strategic sealift asset because of its limited range and endurance, though there are required operational capabilities within STS that are applicable.

AMW = amphibious warfare; CCC = command, control, and communications; FHP = force health protection; FSO = fleet support operations; LOG = logistics; MOB = mobility; MOS = mission of state; NCO = non-combat operations; NSW = naval special warfare; STS = strategic sealift

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

a. Condition I: Battle Readiness. While in condition I (Battle Readiness), the ship shall be capable of meeting the following criteria:

- (1) Able to perform all self-defense functions.
- (2) Able to keep all installed systems manned and operating for maximum effectiveness.
- (3) Required to accomplish only minimal maintenance that which is associated with urgent and critical repairs to maintain readiness.
- (4) For the JHSV, this condition means self-defense measures are being performed. Evolutions such as replenishment, law enforcement, or logistics helicopter (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.

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

- (1) Able to simultaneously perform all self-defense functions to counter specific, imminent, limited threats.
- (2) Able to keep required operational systems continuously manned and operating.
- (3) Able to perform other command and control functions relevant to the threats that are not required to be accomplished simultaneously.

(4) Able to accomplish required maintenance and support functions.

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

c. Condition III: Wartime/Increased Tension/Forward Deployed Cruising Readiness. Condition III is indefinite, sustained wartime and forward deployed steaming where 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:

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

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

(3) For the JHSV, this condition includes pre-assault and post-assault operations en route to or in the amphibious objective area (AOA).

(4) A ship is considered deployed when specified as deployed by the fleet commander or when assigned to the operational control of Commander, 6th Fleet; Commander, 7th Fleet; or Commander, 5th Fleet.

d. Condition IV: Peacetime Cruising Readiness. While in condition IV, the ship shall be capable of meeting the following criteria:

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

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

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(3) Maximum advantage is taken of training opportunities. Expected endurance is not constrained by personnel. Ability to immediately change readiness posture to condition I, II, or III is expected.

e. Condition V: In-port Readiness. Designated maintenance and training period. While in condition V, the ship shall be capable of meeting the following criteria:

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

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

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

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

(5) 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 assigned 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. 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 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 designed capacity for duration of condition
A	Temporarily manned to design capacity using off-watch personnel	Temporarily manned to less than design capacity using off-watch personnel
E	Temporarily manned to design capacity using a special team	Temporarily manned to less than design capacity using a special team

4. Normally, using an "A" or an "E" requires no embellishing statement as their meanings are predefined. However, in the case of the JHSV and other ships that routinely embark external resources the meaning may not be clear as to whether ship's company or the external resource should provide the augmentation. This ROC and POE instruction shows:

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

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

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

REQUIRED OPERATIONAL CAPABILITIES FOR THE JHSV

JOINT HIGH SPEED VESSEL		I	III	IV	V
AMPHIBIOUS WARFARE (AMW)					
AMW 1	<p>LOAD, TRANSPORT AND LAND COMBAT EQUIPMENT, MATERIAL, SUPPLIES AND ATTENDANT EMBARKED PERSONNEL OF A FORCE OR GROUP IN AN AMPHIBIOUS OPERATION.</p> <p>NOTE: JHSV is a non-combatant vessel and not intended as part of the assault echelon (AE). JHSV may be assigned to operate in support of the assault follow on echelon (AFOE).</p>				
AMW 1.2	<p>Transport combat equipment, material and supplies with attendant personnel to the assault area.</p> <p>NOTE: Vertical lift with non-organic aircraft only.</p> <p>III, IV, V - (E) With support from augmenting forces.</p> <p>V(L) - Plan and train.</p>		FE	FE	LE
AMW 1.5	<p>Moor to a causeway and unload combat equipment, material and supplies with attendant personnel in an amphibious operation (limited to sea state 1).</p> <p>III, IV, V - (E) With support from augmenting forces.</p>		LE	LE	LE

AMW 2	<p>LOAD, TRANSPORT AND LAND ELEMENTS OF A LANDING FORCE WITH THEIR EQUIPMENT, MATERIAL AND SUPPLIES IN AN AMPHIBIOUS OPERATION.</p>				
	<p>NOTE: JHSV is a non-combatant vessel and not intended as part of the AE. JHSV may be assigned to operate in support of the AFOE.</p>				
AMW 2.1	<p>Load elements of a landing force with their equipment and supplies for an amphibious operation.</p> <p>III, IV, V - (E) With support from augmenting forces.</p>	FE	FE	FE	
AMW 2.2	<p>Transport landing force to the assault area.</p> <p>V(L) - Plan and train.</p>	F	F	L	
AMW 2.3	<p>Land the force and their equipment and supplies by air and/or waterborne means during an amphibious operation.</p> <p>NOTE: Vertical lift with non-organic aircraft and small boats only.</p> <p>III, IV, V - (E) With support from augmenting forces.</p> <p>IV, V(L) - Plan and train.</p>	FE	LE	LE	
AMW 2.7	<p>Provide emergency resupply of supplies and ammunition by air.</p> <p>NOTE: Requires use of non-organic helo.</p> <p>III, IV, V - (E) With support from augmenting forces.</p> <p>V(L) - Plan and train.</p>	FE	FE	LE	
AMW 3	<p>REEMBARK AND TRANSPORT EQUIPMENT, MATERIALS, SUPPLIES AND PERSONNEL.</p>				

AMW 3.1	Reembark and transport personnel of the landing force. V(L) - Plan and train.		F	F	L
AMW 3.2	Reembark and transport equipment, materials and supplies. V(L) - Plan and train.		F	F	L
AMW 5	CONDUCT LANDING CRAFT OR AMPHIBIOUS VEHICLE OPERATIONS TO SUPPORT AN AMPHIBIOUS OPERATION. NOTE: Small boat operations in permissive environments to support amphibious assaults.				
AMW 5.1	Conduct landing craft operations. NOTE: Relates to launch and recovery of organic small boats or small boats, such as combat rubber raiding craft, organic to embarked units only. V(L) - Plan and train.		FA	FA	LA
AMW 6	CONDUCT HELICOPTER OPERATIONS TO SUPPORT AN AMPHIBIOUS OPERATION. NOTE: Requires use of non-organic helo.				
AMW 6.1	Conduct day helo flight operations. V(L) - Plan and train.		F	F	L
AMW 6.2	Conduct night helo flight operations. V(L) - Plan and train.		F	F	L
AMW 6.5	Conduct helo flight operations during all emission control (EMCON) conditions. V(L) - Plan and train.		F	F	L
AMW 6.6	Conduct helo hot and cold refueling operations. IV, V(L) - Plan and train.		F	F	F

AMW 6.7	Serve as helo haven. NOTE: No hangar.		F	F	F
AMW 6.8	Provide electrical power for helo starting, testing, etc.		F	F	F
AMW 11	CONDUCT AMPHIBIOUS CARGO HANDLING OPERATIONS. NOTE: Pier-side or using non-organic surface craft.				
AMW 11.2	Conduct amphibious cargo handling operations.		F	F	F
AMW 15	PROVIDE AIR OPERATIONS TO SUPPORT AMPHIBIOUS OPERATIONS. NOTE: Non-organic aircraft.				
AMW 15.1	Launch fixed wing and/or rotary wing aircraft. NOTE: Rotary wing only. V(L) - Plan and train.		FE	FE	L
AMW 15.2	Recover fixed wing and/or rotary wing aircraft. NOTE: Rotary wing only. V(L) - Plan and train.		FE	FE	LE
AMW 22	PROTECT/EVACUATE NONCOMBATANT, PERMISSIVE TO NONPERMISSIVE, INCLUDING TRANSPORT TO AMPHIBIOUS TASK FORCE (ATF) OR SAFE HAVENS. NOTE: Permissive only; pier-side, at sea transfer or using non-organic surface and aircraft.				

<p>AMW 22.1</p>	<p>Plan/direct noncombatant evacuation operations (NEO) in permissive conditions, including transport to ATF or safe havens.</p> <p>III, IV(L) Small ship complement provides rudimentary capability. Augmentation by appropriate command and control element and/or evacuee support personnel may be required.</p> <p>V(L) - Plan and train.</p>		LE	LE	LE
<p>AMW 22.2</p>	<p>Coordinate NEO with State Department representatives.</p> <p>III, IV(L) Small ship complement provides rudimentary capability. Augmentation by appropriate command and control element and/or evacuee support personnel may be required.</p> <p>V(L) - Plan and train.</p>		LE	LE	LE
<p>AMW 22.3</p>	<p>Conduct NEO, (permissive) including transport to ATF or safe havens.</p> <p>V(L) - Plan and train.</p>	F	F	F	L
<p>AMW 23 CONDUCT ADVANCE FORCE OPERATIONS FOR AN AMPHIBIOUS OPERATION.</p>					
<p>AMW 23.2</p>	<p>Conduct advance force operations for an amphibious assault.</p> <p>NOTE: Transport and logistics support for embarked units.</p> <p>IV, V(L) - Plan and train.</p>	LE	LE	LE	LE
<p>AMW 40 CONDUCT NIGHT REINFORCEMENT OPERATIONS.</p>					
<p>AMW 40.2</p>	<p>Conduct night reinforcement operations.</p> <p>NOTE: Transport and logistics support for embarked units. Requires non-organic surface and/or aircraft for ship to shore movement.</p> <p>IV, V(L) - Plan and train.</p>	FE	FE	LE	LE

AMW 42	CONDUCT MARITIME PREPOSITIONING FORCE (MPF) OPERATIONS.				
AMW 42.2	Conduct MPF operations. NOTE: Support MPF Operations; JHSV is not permanently assigned to a maritime prepositioning squadron (MPSRON). IV, V(L) - Plan and train.	F	F	L	L
COMMAND, CONTROL AND COMMUNICATIONS (CCC)					
CCC 1	PROVIDE COMMAND AND CONTROL FACILITIES FOR A TASK ORGANIZATION COMMANDER AND STAFF.				
CCC 1.1	Support embarked warfare commander or coordinator (other than own unit CO). NOTE: Transport and logistic support only for embarkation of a unit capable of performing Task Force command. Requires augmentation with all appropriate supporting equipment and operators (i.e., command, control, communications, computers and intelligence suite).	FE	FE	FE	FE
CCC 1.2	Provide command and control facilities for embarked warfare commander or coordinator (other than own unit CO). NOTE: Transport and logistic support for embarked units to include limited berthing, office space and hull, mechanical and electrical support for installation of equipment that may be required for the warfare commander/coordinator mission.	FE	FE	FE	FE
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
CCC 3.4	Carry out emergency destruction of classified material and equipment rapidly and efficiently. IV, V(L) - Plan and train.	F	F	L	L

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CCC 3.8	Establish voice communications with U.S. Marine Corps evacuation and command nets and/or Naval Support Activity net.	F	F	F	F
CCC 3.11	Establish voice communications with supported forces.	F	F	F	F
CCC 3.12	Repair own unit's command, control, communications equipment.	F	F	F	F
CCC 6	PROVIDE COMMUNICATIONS FOR OWN UNIT.				
CCC 6.1	Maintain tactical voice communications.	F	F	F	F
CCC 6.2	Maintain visual communications.	F	F	F	F
CCC 6.10	Maintain voice/teletype/computer data cryptographically covered satellite communications (SATCOM) circuits.	F	F	F	F
CCC 6.12	Maintain internal communications systems.	F	F	F	F
CCC 6.16	Provide tactical, secure, anti-jam ultra-high frequency voice communications.	F	F	F	F
CCC 6.17	Provide tactical, secure, anti-jam very high frequency voice communications.	F	F	F	F
CCC 6.19	Provide tactical, secure voice or data systems.	F	F	F	F
CCC 6.29	Maintain the commercial wideband SATCOM systems and support systems.	F	F	F	F
CCC 9	RELAY COMMUNICATIONS.				
CCC 9.1	Relay visual communications.	F	F	F	F
CCC 9.3	Relay electronic communications.	F	F	F	F
CCC 19	REPAIR OWN UNIT'S CCC EQUIPMENT.	L	L	L	L
	(L) - Emergent repairs critical to ship's mission only.				
CCC 20	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S CCC CAPABILITIES.	F	F	F	L
	V(L) - May require augment from off-watch personnel.				

FORCE HEALTH PROTECTION (FHP)					
FHP 23	PROVIDE MEDICAL CARE TO ASSIGNED AND EMBARKED PERSONNEL. NOTE: Basic health care of crew. Augmentation required for embarked units exceeding assigned crew size.				
FHP 23.1	Conduct sick call.		F	F	F
FHP 23.2	Conduct physical examinations.		F	F	F
FHP 23.4	Conduct basic ward care.		F	F	F
FHP 23.5	Conduct sanitation and safety inspections.		F	F	F
FHP 23.6	Conduct occupational health/safety and preventive medicine programs and training using the following personnel: (a) Independent duty corpsmen or civilian mariner equivalent.		F	F	F
FHP 23.9	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
FHP 23.10	Conduct on-site emergency medical treatment during hazardous evolutions including flight quarters, underway replenishment/refueling and amphibious assault boat operations.	F	F	F	F
FHP 23.17	Identify, equip and maintain suitable spaces to provide medical care.	F	F	F	F
FHP 23.18	Identify, equip and maintain adequate storage spaces for medical equipment and medical supplies.	F	F	F	F
FHP 23.19	Provide medical care, triage and resuscitation commensurate with health care provider credentials using the following personnel: (a) Independent duty corpsman or civilian mariner equivalent.	F	F	F	F

FHP 24 PROVIDE FIRST AID ASSISTANCE.				
FHP 24.1 Identify, equip and maintain appropriate first aid spaces.	F	F	F	F
FHP 24.2 Train assigned and embarked personnel in first aid, self and buddy aid procedures.	F	F	F	F
FHP 24.3 Train stretcher-bearers.	F	F	F	F
FLEET SUPPORT OPERATIONS (FSO)				
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. V(L) - Plan and train.	F	F	F	L
FSO 6.4 Recover man overboard.	F	F	F	F
FSO 6.7 Conduct general surveillance. V(L) - Plan and train.	F	F	F	L
FSO 6.11 Conduct multi-unit SAR operations. NOTE: Transport and Logistics support for embarked units and required equipment. IV, V(L) - Plan and train.	F	F	L	L
LOGISTICS (LOG)				
LOG 1 CONDUCT UNDERWAY REPLENISHMENT. NOTE: No provision for ordnance, weapons or ammunition storage (i.e. mines, torpedoes, missiles etc.) other than anti-terrorism force protection (ATFP) issue.				

LOG 1.1	<p>Transfer ammunition underway.</p> <p>NOTE: No installed magazine for ammunition or weapons storage other than ATFP issue. Ammunition and small arms associated with embarked forces carried in ready issue status and distributed prior to debarkation. Transfer of ammunition underway will conducted using non-organic helo.</p> <p>V(L) - Plan and train.</p>	F	F	L
LOG 1.3	<p>Transfer cargo underway.</p> <p>NOTE: Transfer of cargo underway will conducted using non-organic helo.</p> <p>V(L) - Plan and train.</p>	F	F	L
LOG 1.11	<p>Provide vertical replenishment (VERTREP) underway.</p> <p>NOTE: Non-organic helo.</p> <p>V(L) - Plan and train.</p>	FE	FE	L
LOG 2 TRANSFER/RECEIVE CARGO AND PERSONNEL.				
LOG 2.3	<p>Act as a transient personnel receiving station.</p>	F	F	F
LOG 2.4	<p>Transfer and receive personnel by helo.</p> <p>NOTE: Non-organic helicopter.</p>	F	F	F
LOG 3 PROVIDE SEALIFT FOR CARGO AND PERSONNEL.				
LOG 3.1	<p>Provide stowage and berthing spaces for equipment and personnel during transit.</p>	F	F	F
LOG 3.4	<p>Plan/direct sealift for cargo and personnel. Coordinate with logistics coordinator.</p>	F	F	F
LOG 6 PROVIDE AIRLIFT OF CARGO AND PERSONNEL.				
	<p>NOTE: Requires embarkation of rotary aircraft. No hanger/maintenance facilities.</p>			

LOG 6.2	Provide VERTREP services. III, IV, V - (E) With support from augmenting forces. V(L) - Plan and train.		FE	FE	L
LOG 6.3	Provide vertical onboard delivery (VOD) services. III, IV, V - (E) with support from augmenting forces. V(L) - Plan and train.		FE	FE	L
LOG 9	REPAIR OWN UNIT'S LOGISTICS EQUIPMENT. (L) - Emergent repairs critical to ship's mission.	L	L	L	L
LOG 10	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S LOG CAPABILITIES. V(L) - May require augment from off-watch personnel.	L	L	L	L
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	
MOB 1.2	Operate ship's propulsion plant with split plant operations.	F	F	F	
MOB 1.5	Operate at sustained expeditionary strike group/ATF/carrier strike group/surface action group/underway replenishment group and amphibious force speeds.	F	F	F	
MOB 1.6	Maintain necessary machinery redundancies to enhance survival in high threat areas.	F	F	F	
MOB 1.7	Transit at high speed.	F	F	F	
MOB 3	PREVENT AND CONTROL DAMAGE.				

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MOB 3.1	Control fire, flooding, electrical, structural, propulsion and hull/airframe casualties.	F	F	F	F
MOB 3.2	Counter and control chemical, biological and radiological contaminants/agents. V(L) - Plan and train.	F	F	F	L
MOB 3.5	Provide damage control security/surveillance.	F	F	F	F
MOB 3.8	Provide emergency breathing devices per ship's allowance.	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	F	
MOB 7.2	Conduct precision anchoring.	F	F	F	
MOB 7.3	Get underway, moor, anchor and sortie with duty section in a safe manner.			F	F
MOB 7.6	Abandon/scuttle ship rapidly. III Small complement limits rapidity. IV, V(L) - Plan and train.	F	L	L	L
MOB 7.7	Provide life boat/raft capacity per unit's allowance.	F	F	F	
MOB 7.9	Operate day and night and under all weather conditions.	F	F	F	
MOB 7.14	Moor alongside ATF shipping or docks. (L) - Limited to sea state 1	L	L	L	
MOB 7.16	Recover man overboard (shipboard, boat or helo).	F	F	F	F
MOB 10	REPLENISH AT SEA.				
MOB 10.1	Receive VERTREP.	F	F	F	

MOB 10.2	Receive fuel while underway (Standard Tensioned Replenishment Alongside Method - STREAM - port side only).	F	F	F	
MOB 10.3	Receive munitions and provisions while underway. NOTE: No provision for ammunition storage other than ATRP (no provision for storage and handling of ordnance e.g. mines, torpedoes, missiles etc.). No provision to receive munitions or provisions via connected replenishment alongside due to lack of hardened points/kingposts enabling highline transfer.		F	F	
MOB 10.5	Receive carrier onboard delivery/VOD aircraft. NOTE: VOD aircraft only.	F	F	F	
MOB 10.6	Receive fuel while underway (astern method).	F	F	F	
MOB 12	MAINTAIN THE HEALTH AND WELL-BEING OF THE CREW. NOTE: Independent duty corpsman or civilian mariner equivalent.				
MOB 12.1	Ensure all phases of food service operations are conducted consistent with approved sanitary procedures and standards.		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
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

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
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
MOB 17	PERFORM ORGANIZATIONAL LEVEL REPAIRS TO OWN UNIT'S MOB EQUIPMENT. (L) - Emergent repairs critical to ship's mission.	L	L	L	L
MOB 18	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S MOB CAPABILITIES. (L) - May require augmentation from off-watch personnel.	L	L	L	L
MISSIONS OF STATE (MOS)					
MOS 1	PERFORM NAVAL DIPLOMATIC PRESENCE OPERATIONS. NOTE: Non-combatant vessel.				
MOS 1.2	Conduct force/unit tour for foreign dignitaries.		F	F	F
MOS 1.4	Conduct foreign port calls.		F	F	F
MOS 1.5	Conduct force/unit tours for foreign citizens during port calls. NOTE: With support from augmenting forces (e.g., embarked staff, mobile training team, etc.)		FE	FE	FE
MOS 1.6	Conduct receptions for foreign dignitaries during port calls. NOTE: With support from augmenting forces (e.g., embarked staff, mobile training team, etc.)		FE	FE	FE

MOS 1.7	Provide volunteers for small project assistance during port calls. NOTE: With support from augmenting forces (e.g., embarked staff, mobile training team, etc.)		FE	FE	FE
MOS 1.8	Participate in military exercises with allied nations. NOTE: With support from augmenting forces (e.g., embarked staff, mobile training team, etc.).		FE	FE	FE
MOS 1.9	Participate in military exercises with non-allied nations. NOTE: Non-combatant vessel. Transportation and logistic support of embarked staff, unit and equipment.		FE	FE	FE
MOS 1.11	Provide lift of opportunity for foreign or national diplomatic material. III, IV, V(L) - Quantities that do not interfere with the regular combat capabilities or logistics load.		L	L	L
MOS 2 PROVIDE HUMANITARIAN ASSISTANCE.					
MOS 2.1	Deliver relief material. III, IV, V(L) - Quantities that do not interfere with the regular combat capabilities or logistics load. NOTE: Transportation and logistic support of embarked staff, unit and equipment; cargo transfer pier-side, skin to skin, or using non-organic surface or aircraft.		L	L	L
MOS 2.2	Provide emergency flooding/fire fighting assistance.		F	F	F

MOS 2.4	<p>Provide disaster assistance and evacuation.</p> <p>NOTE: Full capability when rescue and assistance party is called away. Augmentation by off-watch personnel may be required to sustain effort.</p>		FE	FE	FE
MOS 2.10	<p>Support/provide for the evacuation of noncombatant personnel in areas of civil or international crisis.</p> <p>I(L) - Selected personnel must stand down from condition I stations to man NEO stations. Permissive environment except when operating in conjunction with joint or naval forces capable of providing protection.</p>	L	F	F	F
MOS 2.11	<p>Support/conduct helo/boat evacuation of noncombatant personnel as directed by higher authority from areas of civil or international crisis.</p> <p>NOTE: Permissive only; pier-side or using non-organic surface and aircraft.</p> <p>I(L) - Selected personnel must stand down from condition I stations to man NEO stations.</p>	LE	FE	FE	FE
MOS 2.12	<p>Provide for embarkation, identification and processing of evacuees.</p> <p>(L) - Selected personnel must stand down from watch/stations to man NEO stations.</p>	L	L	L	L

<p>MOS 2.13 Provide care, feeding and berthing of evacuees.</p> <p>NOTE: Non-crew messing and berthing facilities are limited. Embarked evacuees can be accommodated using non-perishable rations and portable chemical toilets if provided, limited passenger seating and temporary berthing in the cargo deck area (cots and/or milvans if equipped).</p> <p>I(L) - Battle messing and emergency care only.</p>	L	F	F	F
<p>MOS 2.14 Provide transportation for evacuees to designated safe havens or onward processing centers.</p> <p>NOTE: Non-crew messing and berthing facilities are limited. Embarked evacuees can be accommodated using non-perishable rations and portable chemical toilets if provided. Limited passenger seating and temporary berthing is installed, excess personnel can be housed in cargo deck area if cots and/or milvans are provided.</p>	F	F	F	F
NONCOMBAT OPERATIONS (NCO)				
NCO 2 PROVIDE ADMINISTRATIVE AND SUPPLY SUPPORT FOR OWN UNIT.				
<p>NCO 2.1 Provide supply support services.</p> <p>(L) - Emergency supply support services.</p>	L	L	L	L
<p>NCO 2.5 Provide messing facilities.</p> <p>(L) - Messing facilities limited based on size of crew and embarked forces.</p>	L	L	L	L
<p>NCO 2.6 Provide ships service facilities.</p> <p>(L) - Capabilities limited by size of vessel and crew.</p>		L	L	L

NCO 2.7	Provide inventory and custodial services. (L) - Capabilities limited by size of vessel and crew.		L	L	L
NCO 2.11	Provide personnel for fuels support. NOTE: Limited capacity for own fuel and embarked aircraft and small boat fuel support. Not a primary mission fuel transfer platform. Embarked units will augment in the event of refueling of embarked vehicles. I(L) - To achieve full capability, fuels personnel assigned to other condition I stations must be reassigned to fuel stations.	LE	FE	FE	FE
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. (L) - Emergent repairs critical to ship's mission.	L	L	L	L
NCO 3.3	Provide small arms storage area.	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
NCO 7 PROVIDE SPECIAL TECHNICAL RESEARCH.					
NCO 7.1	Serve as a platform for special technical research operations. NOTE: Services to be provided dependent upon requirements of the mission.		L	L	L
NCO 7.2	Conduct special technical research operations. NOTE: Embarkation of technical support personnel required.		LE	LE	LE

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NCO 8	SERVE AS A PLATFORM FOR OPERATIONAL TEST AND EVALUATION OF SYSTEMS, EQUIPMENT AND TACTICS.				
NCO 8.2	Perform the test and evaluation functions set forth in the appropriate test plans. NOTE: Embarkation of technical support personnel required.		FE	FE	FE
NCO 10	PROVIDE EMERGENCY/DISASTER ASSISTANCE.				
NCO 10.1	Provide emergency flooding/fire fighting assistance to another unit.		F	F	F
NCO 10.4	Provide disaster assistance and evacuation. NOTE: Augmentation by off-watch personnel may be required to sustain effort.		FE	FE	FE
NCO 11	SUPPORT/PROVIDE 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. NOTE: Permissive only. Limited to Pier-side embarkation unless non-organic surface and/or aircraft are provided. (L) - Selected personnel must stand down from stations/watches to man NEO stations.	LE	LE	LE	LE

<p>NCO 11.2</p>	<p>Provide for embarkation, identification and processing of evacuees.</p> <p>(L) - Selected personnel must stand down from stations/watches to man NEO stations.</p>	<p>L</p>	<p>L</p>	<p>L</p>	<p>L</p>
<p>NCO 11.3</p>	<p>Provide care, feeding and berthing of evacuees.</p> <p>NOTE: Non-crew messing and berthing facilities are limited. Embarked evacuees can be accommodated using non-perishable rations and portable chemical toilets if provided. Limited passenger seating and temporary berthing is installed, excess personnel can be housed in cargo deck area if cots and/or milvans are provided.</p> <p>(L) - Battle messing and emergency care only.</p>	<p>LE</p>	<p>LE</p>	<p>LE</p>	<p>LE</p>
<p>NCO 11.4</p>	<p>Provide transportation for evacuees to designated safe havens or onward processing centers.</p>	<p>F</p>	<p>F</p>	<p>F</p>	<p>F</p>
<p>NCO 24</p>	<p>SUPPORT/CONDUCT ROTARY WING AIRCRAFT OPERATIONS.</p> <p>NOTE: Non-organic aircraft.</p>				
<p>NCO 24.1</p>	<p>Support/conduct day rotary wing aircraft flight operations.</p> <p>V(L) - Plan and train.</p>	<p>F</p>	<p>F</p>	<p>F</p>	<p>L</p>
<p>NCO 24.2</p>	<p>Support/conduct night rotary wing aircraft flight operations.</p> <p>V(L) - Plan and train.</p>	<p>F</p>	<p>F</p>	<p>F</p>	<p>L</p>
<p>NCO 24.3</p>	<p>Support/conduct rotary wing aircraft flight operations during all EMCON conditions.</p> <p>V(L) - Plan and train.</p>	<p>F</p>	<p>F</p>	<p>F</p>	<p>L</p>

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NCO 24.4	Support/conduct rotary wing aircraft hot and cold refueling operations. V(L) - Plan and train.	F	F	F	L
NCO 24.5	Provide electrical power for rotary wing aircraft starting, testing, etc.	F	F	F	F
NCO 25	CONDUCT MARINE ENVIRONMENTAL PROTECTION.				
NCO 25.1	Detect oil or hazardous chemical spill.	F	F	F	F
NCO 25.2	Report spills to proper authority.	F	F	F	F
NCO 26	SERVE AS A PLATFORM FOR SPONSOR ORGANIZATIONS PERFORMING DOD MISSIONS. NOTE: Transportation and logistic support of embarked units.	F	F	F	F
NAVAL SPECIAL WARFARE (NSW)					
NSW 4	CONDUCT COMBATANT CRAFT OPERATIONS.				
NSW 4.1	Support/conduct reconnaissance, surveillance and other intelligence gathering in support of special operations. NOTE: Transportation and logistic support of embarked units.	FE	FE	FE	
NSW 4.2	Deliver, support and recover elements of sea, air and land (SEAL) and SEAL delivery vehicle teams. NOTE: Transportation and logistic support of embarked units.	FE	FE	FE	
STRATEGIC SEALIFT (STS)					
NOTE JHSV is not considered a strategic sealift asset because of its limited range and endurance, though the following tasks represent capabilities that fall within the required operational capabilities of 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	F	F
STS 1.2	Use ship's crane(s) to load and discharge containerized cargo. NOTE: 20 ton capacity.	F	F	F	F

STS 1.3	Provide ship configuration suitable for container loading and discharging by a shore facility (non self-sustaining container ship).	F	F	F	F
STS 1.8	Use ship's ramp(s) to load and discharge roll on/roll off cargo. NOTE: Restricted to sea state 1.	F	F	F	F
STS 1.9	Ensure that designed cargo spaces are usable for the carriage of cargo.	F	F	F	F
STS 1.15	Load, stow, transport and discharge outsized and oversized military equipment.	F	F	F	F
STS 3 TRANSPORT PASSENGERS.					
STS 3.1	Conduct helo flight quarters for personnel transfer. NOTE: Non-organic helo. V(L) - Plan and train.	F	F	F	L
STS 3.2	Provide suitable berthing, messing and sanitary facilities for the number of troops or other passengers specified in the unit's POE. NOTE: Non-crew messing and berthing facilities are limited. Embarked passengers can be accommodated using non-perishable rations and portable chemical toilets if provided. Limited passenger seating and temporary berthing is installed; excess personnel can be housed in the cargo deck area if cots and/or milvans are provided.	F	F	F	F