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OPNAV INSTRUCTION 3501.355B

From: Chief of Naval Operations

Subj: REQUIRED OPERATIONAL CAPABILITIES AND PROJECTED OPERATIONAL ENVIRONMENT FOR (SAN ANTONIO) CLASS AMPHIBIOUS TRANSPORT DOCK SHIPS

Ref: (a) OPNAVINST C3501.2L (NOTAL)
(b) NTRP 1-03.5

Encl: (1) Projected Operational Environment (POE) for LPD 17 (*San Antonio*) Class Amphibious Transport Dock Ships
(2) Required Operational Capabilities (ROC) for LPD 17 (*San Antonio*) Class Amphibious Transport Dock Ships

1. Purpose. To issue the projected operational environment (POE) and the required operational capabilities (ROC) for amphibious transport dock (LPD) 17 *San Antonio* class ships. This revision increases manpower requirements in support of disaggregate operations as an air defense commander. This instruction is a complete revision and should be reviewed in its entirety.
2. Cancellation. OPNAVINST F3501.355A.
3. Scope and Applicability. Enclosures (1) and (2) provide the necessary details to describe the mission areas and operational capabilities for which the LPD 17 class was designed and organized as required by reference (a). This instruction provides resourcing agencies with the information they need concerning LPD 17 class mission requirements, capabilities, and the types and locations of expected operations. Enclosure (2) may be of assistance in determining specific mission area M-ratings reported under reference (b).
4. Action. Fleet commanders are requested to periodically review enclosures (1) and (2) and recommend changes through appropriate administrative chain of command to the Director, Expeditionary Warfare (OPNAV N95) (Attn: Amphibious Warfare Branch (OPNAV N953)) when mission or capabilities of the LPD 17 class ships are significantly altered. Change recommendations should include comments on the expected future manpower document and actual manpower document impact.
5. Records Management. Records created as a result of this instruction, regardless of media and format, must be managed per Secretary of the Navy (SECNAV) Manual 5210.1 of January 2012.

6. Review and Effective Date. Per OPNAVINST 5215.17A, OPNAV N95 will review this instruction annually on the anniversary of its effective date to ensure applicability, currency and consistency with Federal, Department of Defense (DoD), SECNAV and Navy policy and statutory authority using OPNAV 5215/40 Review of Instruction. This instruction will be in effect for 5 years, unless revised or cancelled in the interim, and will be reissued by the 5-year anniversary date if it is still required, unless it meets one of the exceptions in OPNAVINST 5215.17A, paragraph 9. Otherwise, if the instruction is no longer required, it will be processed for cancellation as soon as the cancellation is known following the guidance in OPNAV Manual 5215.1.



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PROJECTED OPERATIONAL ENVIRONMENT (POE)
FOR
LPD 17 (SAN ANTONIO) CLASS AMPHIBIOUS TRANSPORT DOCK SHIPS

1. The LPD 17 class ship's mission is to operate offensively in a medium-density, multi-threat, anti-access littoral environment as an integral member of an expeditionary strike group (ESG), amphibious ready group (ARG), or amphibious task force, as well as conduct independent, split ARG, Marine expeditionary unit (MEU), and disaggregated operations. The LPD 17 class provides its own local air warfare (AW) self-defense and limited antisurface warfare self-defense. When operating independently, the ship should be restricted to low-density threat operations, yet retain the capability to continue operations if damaged. When operating with joint forces, LPD 17 must operate in emerging threat environments.
2. The most demanding operating environment anticipated for the LPD 17 class is at sea during wartime in cooperation with designated joint and allied forces, including operations involving coordination of 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. Independent amphibious operations require LPD 17 sustain forward presence while executing limited objective missions, autonomously from a larger, aggregated naval task force. LPD 17 requires the capability to conduct independent or disaggregated operations with an embarked special purpose Marine air ground task force or with embarked elements of an MEU in these uncertain environments and threats. In the myriad variations of this littoral conflict environment, most operations will be prosecuted in joint, allied, combined, or multinational scenarios.
4. LPD 17 class is not flag-configured; no unique facilities are provided for an embarked staff. The United States Marine Corps (USMC) landing force commander and intelligence group detachments (Det) have dedicated spaces; however, these units will carry on support equipment for their respective spaces (other than power and command, control, communications, computers and intelligence drops). As well, other Dets will provide their respective equipment that should be supported by pre-existing, integrated command, control, communications, computers, and intelligence receptors and power supplies.
5. During amphibious assault, the ship can conduct near simultaneous combined and coordinated air and surface-launched operations from over the horizon or close to the shoreline under restricted maneuvering conditions by coordinating landing and recovery of aircraft and landing craft. The ship can conduct sustained amphibious operations before and after the assault using off-watch personnel to man cargo handling areas, the flight deck, and well deck.

6. The ship can support 6 hours of flight operations per day when a Marine composite squadron or other aviation squadron of similar size is embarked. Allowances of 1 hour are provided for both pre-flight and post-flight functions. Daily flight operations, other than those conducted during amphibious assault operations, may be conducted at readiness condition III when flight quarters are set. Normal operation is two of four spots. Additional augmentation will be required to operate the additional spots for an extended period of time.
7. Maritime interception operations and visit, board, search, and seizure (VBSS) operations are considered primary missions of the LPD 17 class.
8. LPD 17 class has secondary missions of supporting airborne mine countermeasures (AMCM) and surface mine countermeasure (SMCM) operations. The AMCM and SMCM operations will restrict or preclude amphibious operations depending upon the number of AMCM aircraft, SMCM, mine countermeasures (MCM) air cushion vehicles, and or unmanned underwater vehicles embarked.
9. Maximum advantage will be taken of the ship's automated systems and capabilities. Duplicate manual procedures or processes should not be included in the ship's doctrine or bills, nor be accounted for in the ship's workload. Automation elements that do not appear to provide the intended capability should be reported to the warfare sponsor, OPNAV N953, for further evaluation.
10. LPD 17 class will provide logistic support and organizational level maintenance support among ARG ships.
11. Workload cognizance details for functional areas shared by the ship and embarked units are in the table of interactivity responsibilities. If a unit or Det is not addressed in this paragraph, it is assumed that all support functional workload belongs to the ship. Independent operations establish the requirement for selected intermediate-level maintenance being performed by the aviation detachment, normally accomplished by the Aircraft Intermediate Maintenance Department (AIMD). Operational, maintenance, support, and hospitality responsibilities among embarked USMC, Navy support element, detachments, augmentees, and the ship are contained are also captured in the same table.

Table of Interactivity Responsibilities		
Item	USMC/Dets/Augmentees	Ship
WATCHES	<ul style="list-style-type: none"> - USMC: Under ship's troop regulations - Navy support equipment (NSE): landing craft, air cushion (LCAC) and landing craft, utility (LCU) security, berthing security. - Dets: hospital ward. - Augmentees: mini-joint intelligence center (JIC). 	<ul style="list-style-type: none"> - Ship's watch stations derived from capabilities required in enclosure (2).
EQUIPMENT MAINTENANCE	<ul style="list-style-type: none"> - USMC: Embarked equip. - NSE: Embarked equip including LCACs and LCUs. - Aviation Dets: Organizational-level and selected Intermediate Level maintenance/repairs to embarked aircraft and ordnance safety handling equipment. - Special intelligence communications center (SPINTCOMM): Special communications equipment. 	<ul style="list-style-type: none"> - Generally for all permanently installed equipment, including conditions I, IA and III casualty control watches.
COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS AND INTELLIGENCE SYSTEMS MANAGEMENT	<ul style="list-style-type: none"> - USMC: Marine-exclusive systems. - DETs: Det-exclusive systems. - SPINTCOMM: Special communications systems. 	<ul style="list-style-type: none"> Ship-exclusive and shared systems.
FACILITIES MAINTENANCE	<ul style="list-style-type: none"> - Preservation: Corrosion control for own equipment. - Cleaning: Per ship's troop regulations - Solid waste: - USMC: Per ship's troop regulations - NSE: Minimum one E-3 sorter or operator. 	<ul style="list-style-type: none"> - Preservation: All - Cleaning: <ul style="list-style-type: none"> • All spaces not earmarked or occupied by embarked forces (Ship will be credited for 80 percent of the life cycle workload to facilities maintenance sustain spaces earmarked for embarkees.) • Issue all cleaning gear. - Solid waste: One E-4 supervisor or operator and one E-4 plastic processing supervisor or operator.

Table of Interactivity Responsibilities		
Item	USMC/Dets/Augmentees	Ship
HAZARDOUS MATERIAL (HAZMAT)	- USMC/NSE: Operation of the cargo hazmat facility.	Receipt, stowage, issuing, usage supervision, inventory and transfer processing for disposal of all general, medical, and dental hazmat. Supervision of the cargo hazmat facility.
MESSING	- Wardroom: Under ship's troop regulations. - General mess: Under ship's troop regulations.	Wardroom: - All W-1 to O-6. General mess: - All E-1 to E-9 - Ship provide master-at-arms
DISBURSING	USMC provide own support.	All routine processing and maintenance of ship and Navy embarkee records.
LAUNDRY	USMC and NSE process own laundry.	Ship's company, small Dets, augmentees.
BARBER SHOP	Under ship's troop regulations.	Ship's company furnish barbers to support ship's company and Navy embarkees.
CLASSIFIED MATERIAL DESTRUCTION	USMC provide one augmentee. SPINTCOMM Det observe and record burn of previously shredded material.	Ships provide principal operators and supervision.
AMCM AND SMCM OPERATIONS (IN LIEU OF AMPHIBIOUS OPERATIONS (OPS))	Dets will stand their own operational watches, maintain their respective equipment.	Ships furnish all support services.

REQUIRED OPERATIONAL CAPABILITIES (ROC)
FOR
LPD 17 (SAN ANTONIO) CLASS AMPHIBIOUS TRANSPORT DOCK SHIPS

1. The LPD 17 class ship's mission is to operate offensively in a medium-density, multi-threat environment as an integral member of an ARG, ESG or force. The LPD 17 class provides its own local AW self-defense and limited surface warfare (SUW) self-defense. When operating independently, the ship should be restricted to low-density threat operations. The LPD 17 class has additional missions of performing AMCM and SMCM when the appropriate personnel and equipment are embarked.

LPD-17 WARFARE MISSION AREAS															
AMW	ASW	AW	CCC	EW	FHP	FSO	INT	IO	LOG	MIW	MOB	MOS	NCO	NSW	SUW
P	S	P	P	P	S	S	S	P	S	S	P	P	S	S	S
AMW = amphibious warfare ASW = antisubmarine warfare CCC = command, control, communication EW = electronic warfare FHP = force health protection FSO = fleet support operations INT = intelligence operations								IO = information operations LOG = logistics MIW = mine warfare MOB = mobility MOS = missions of state NCO = noncombat operations NSW = naval special warfare							

Table 1-1: Primary (P) and Secondary (S) Warfare Mission Areas

2. ROCs are reported under readiness conditions having major significance in determining the unit's total manpower requirements. Subparagraphs 2a through 2f summarize conditions covered.

a. Condition I: Battle Readiness. While in condition I, the ship will be capable of meeting the criteria in subparagraphs 2a(1) through 2a(4).

(1) Able to perform all offensive and defensive functions simultaneously.

(2) Able to keep all installed systems manned and operating for maximum effectiveness.

(3) Required to accomplish only minimal maintenance that is routinely associated with watch standing and urgent repairs.

(4) For the LPD 17 class, this condition means self-defense measures are being performed. Evolutions such as replenishment, law enforcement, or logistical 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 IA: Wartime Amphibious Assault Operations. Conducting amphibious assault operations. All command, control, medical, assault, and flight quarters stations are manned though some stations are co-manned from repair parties. That is, to permit full, near simultaneous flight deck and well deck operations, some personnel from proximate repair parties man flight quarters or craft support operations watch stations. If the ship comes under attack, or sustains battle damage, those personnel can return to their respective repair parties. Core engineering and damage control stations are manned. Maximum crew endurance is expected to be 24 continuous hours.

c. Condition II: Modified Battle Readiness. Condition II is condition I or IA battle readiness modified to meet particular imminent threats that are situation-dependent. As such, condition II is a subset of condition I or IA that stands up particular condition I or IA capabilities at the discretion of the task force, group commander, or commanding officer. While in condition II, the ship will be capable of meeting the criteria in subparagraphs 2c(1) through 2c(5).

(1) Able to simultaneously perform those offensive and defensive functions necessary to counter specific imminent, limited threats.

(2) Able to keep required operational systems continuously manned and operating.

(3) Able to perform intensive amphibious post-assault operations.

(4) Able to perform other command and control functions relevant to the threat which are not required to be accomplished simultaneously.

(5) Able to accomplish urgent underway planned maintenance and support functions. 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.

d. Condition III: Wartime, Increased Tension and Forward Deployed Cruising Readiness

(1) Reduced defensive systems are manned to a level sufficient to counter possible threats. While in condition III, the ship will be capable of meeting the criteria in subparagraphs 2d(1)(a) through 2d(1)(c).

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

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

(c) For the LPD 17 class, this condition includes routine pre-assault and post-assault operations en route to or in the amphibious objective area, littoral penetration area, or at the littoral penetration point.

(2) 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.

(3) A ship is considered deployed (i.e., in condition III) when homeported overseas, when out of homeport for more than 8 weeks, when specified as deployed by the fleet commander, or when assigned to the operational control of Commander, 5th Fleet; Commander, 6th Fleet; or Commander, 7th Fleet.

e. Condition IV: Training Cruising Readiness

(1) While in condition IV, the ship will be capable of meeting the criteria in subparagraphs 2e(1)(a) and 2e(1)(b).

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

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

(2) 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.

f. Condition V: In Port Readiness

(1) Designated maintenance and training period. While in condition V, the ship will be capable of meeting the criteria in subparagraphs 2f(1)(a) through 2f(1)(d).

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

(b) Able to man watch stations as required to provide adequate force protection (FP).

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

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

(2) Maximum advantage is taken of training opportunities. Subject to the foregoing requirements, the crew should be provided maximum opportunity for rest, leave, and liberty.

3. The LPD 17 class amphibious assault ship with full medical augmentation staff embarked will be capable of providing rapid, flexible, and mobile acute medical care to support USMC air ground task forces deployed ashore and naval expeditionary forces afloat. The augmentation of medical adaptive force packages is required to achieve limited and full capabilities of surgical, post-operative, intensive care and ward care. These packages are scalable to meet mission requirements and can include, but are not limited to, fleet surgical teams, expeditionary resuscitative surgical systems and components of the mobilization plus 1 casualty receiving treatment ship manning. The term "full medical augmentation" refers to augmentation of medical department personnel to a level required to fulfill all role II capabilities of the LPD 17 class medical facilities. To sustain this capability, each ship is capable of providing enhanced echelon 2 medical care including all associated ancillary and support services for one operating room, a space designated for dual purpose as second operating room and main battle dressing station, and a minimum of 24 patient beds. Patient beds are distributed as follows: 6 intensive care beds and 18 intermediate care beds. With a full augmentation staff embarked, each ship is capable of receiving a maximum of 20 patients per day for 1 day, 12 patients per day for 3 days, and 8 patients per day sustained. Under these conditions, 60 percent of patients are assumed to require operating room surgical care. These requirements can be met under a baseline 1-day evacuation policy, at which time the patient will either be returned to duty or evacuated to the next echelon of available medical care.

4. 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.

a. Capabilities

(1) "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. The achievement is to be sustained for the duration of the condition unless modified by an "A" or "E."

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

b. Modifiers

(1) "A" = "Augmentation." The capability is to be either fully or partially achieved for a limited time during the condition. The capability is achieved by using off watch personnel and is always associated with an "F" or "L."

(2) "E" = "Special Team." The capability is to be either fully or partially achieved for a limited time during the condition. The capability is achieved by using off-watch special teams or details and is always associated with an "F" or "L."

MODIFIER	CAPABILITY	
	FULL	LIMITED
NONE =>	Manned to design capacity for duration of condition	Manned to less than design capacity for duration of condition
A =>	Temporarily manned to design capacity using off-watch personnel	Temporarily manned to less than design capacity using off-watch personnel
E =>	Temporarily manned to design capacity using a special team	Temporarily manned to less than design capacity using a special team

5. Normally, using an "A" or an "E" requires no embellishing statement as their meanings are predefined. However, in the case of the LPD, 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 the external resource. 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; and
- c. if the resource is external for "L," the resource is added to the capability limiting statement.

REQUIRED OPERATIONAL CAPABILITIES

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW	AMPHIBIOUS WARFARE (AMW) Note: To permit full, simultaneous flight deck and well deck operations, some personnel are required from proximate repair parties to man flight quarters or craft support operations watch stations.					
AMW 1	LOAD, TRANSPORT, AND LAND COMBAT EQUIPMENT, MATERIAL, AND SUPPLIES WITH ATTENDANT PERSONNEL OF A FORCE OR GROUP IN AN AMPHIBIOUS OPERATION.					
AMW 1.1	Load combat equipment, material, and supplies with attendant personnel for an amphibious operation. Note: Ship's company normally augmented by USMC or theater special operations command (TSOC) personnel for cargo and equipment handling. Well deck and cargo handling stations manned by off-watch ship or troop details.		F	F/E	F/E	F/E
AMW 1.2	Transport combat equipment, material and supplies with attendant personnel to the assault area. IV, V(L) - Plan and train.		F	F	L	L
AMW 1.3	Land combat equipment, material, and supplies with attendant personnel by air or surface transport during amphibious assaults. Note: Ship's company normally augmented by USMC/TSOC personnel for cargo and equipment handling. Well deck and cargo handling stations manned by off watch ship or troop details. I (L) – Flight quarters manning must be augmented from other battle stations. IV, V(L) - Plan and train.	L	F	F/E	L	L
AMW 1.6	Plan/direct the loading, transporting and landing of combat equipment, material and supplies with attendant personnel in an amphibious operation. IV, V(L) - Plan and train.	F	F	F	L	L
AMW 2	LOAD, TRANSPORT AND LAND ELEMENTS OF A LANDING FORCE WITH THEIR EQUIPMENT, MATERIAL AND SUPPLIES IN AN AMPHIBIOUS OPERATION.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 2.1	<p>Load elements of a landing force with their equipment and supplies for an amphibious assault.</p> <p>Note: Ship's company normally augmented by USMC/TSOC personnel for cargo and equipment handling. Well deck and cargo handling stations manned by off watch ship troop details.</p> <p>I (L) – Flight quarters manning must be augmented from other battle stations.</p>	L	F	F/E	F/E	F/E
AMW 2.2	<p>Transport landing force to the assault area.</p> <p>IV, V(L) - Plan and train.</p>	F	F	F	L	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: Ship's company normally augmented by USMC/TSOC personnel for cargo and equipment handling. Well deck and cargo handling stations manned by off watch ship troop details.</p> <p>IV, V(L) - Plan and train.</p>		F	F/E	L	L
AMW 2.6	<p>Provide physical conditioning and acclimatization area for embarked troops.</p> <p>Note: Share ship's physical fitness facility. Ship has no acclimatization area.</p>			F	F	F
AMW 2.7	<p>Provide emergency resupply of supplies and ammunition by air.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>IV, V(L) - Plan and train.</p>	L	F	F	L	L
AMW 2.10	<p>Plan/direct the loading, transporting, and landing of elements of a landing force with their attendant personnel in an amphibious operation.</p> <p>V(L) – Plan and train.</p>	F	F	F	F	L
AMW 3	RE-EMBARK AND TRANSPORT EQUIPMENT, MATERIALS, SUPPLIES, AND PERSONNEL.					
AMW 3.1	Re-embark and transport personnel of the landing force.		F/E	F/E	F/E	F/E
AMW 3.2	Re-embark and transport equipment, materials, and supplies.		F/E	F/E	F/E	F/E
AMW 4	SERVE AS PRIMARY CONTROL SHIP IN SHIP-TO-SHORE MOVEMENT.		F	F/A	L	L
	IV, V(L) - Plan and train.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 5	CONDUCT LANDING CRAFT OR AMPHIBIOUS VEHICLE OPERATIONS TO SUPPORT AN AMPHIBIOUS OPERATION.					
AMW 5.1	Conduct landing craft operations. Note: Assault craft unit (ACU) landing craft embarked. IV, V(L) - Plan and train.		F	F/E	L	L
AMW 5.2	Conduct amphibious vehicle operations. Note: USMC amphibious vehicles embarked. IV, V(L) - Plan and train.		F	F/E	L	L
AMW 5.3	Provide boat haven facilities. IV, V(L) – Plan and train.		F	F/E	L	L
AMW 5.4	Provide hull, mechanical, electrical, and electronics maintenance and repair for embarked amphibious assault craft. Note: III, IV, V(F/A) - For LCACs, routine organizational repairs performed by the LCACs' crews and the assault craft sea element repair divisions; the ship may provide assistance to repair emergent casualties. I, IA (L) - Battle repairs only. Select LCAC personnel may have to stand down from their watch stations to provide support. For LCACs, assistance may have to be obtained from assault craft sea element repair divisions embarked in another ship.	L	L	F/A	F/A	F/A
AMW 5.5	Conduct LCAC vehicle operations. Note: ACU landing craft embarked. IV, V(L) - Plan and train.		F	F/E	L	L
AMW 5.6	Plan/direct the use of landing craft or amphibious vehicle operations in support of amphibious operation. IV(L) - Plan and train.		F	F/E	L	L
AMW 6	CONDUCT HELO OPERATIONS TO SUPPORT AN AMPHIBIOUS OPERATION.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 6.1	<p>Conduct day helo flight operations.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L
AMW 6.2	<p>Conduct night helo flight operations.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L
AMW 6.4	<p>Provide conventional ordnance to support amphibious operations within required turnaround times.</p> <p>Note: Full capability assumes AV-8/AH-1 landing force operational reserve material (LFORM) class V(A) loaded when AV-8/AH-1 operated for amphibious operations.</p> <p>Note: Ship’s force in coordination with embarked USMC/TSOC personnel responsible for load and unload of aviation ordnance on and off aircraft and movement of aviation ordnance to and from the staging area.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>IV, V(L) - Plan and train.</p>	L	F	F/E	L/E	L/E
AMW 6.5	<p>Conduct helo flight operations during all emissions control (EMCON) conditions.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 6.6	Conduct helo hot and cold refueling operations. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
AMW 6.7	Serve as a helo haven. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.	L	F/E	L/E	F/E	F/E
AMW 6.8	Provide electrical power for helo starting, testing, etc.	F	F	F	F	F
AMW 6.9	Provide ground handling equipment for loading and spotting helos.	F	F	F	F	F
AMW 11	CONDUCT AMPHIBIOUS CARGO HANDLING OPERATIONS.					
AMW 11.1	Plan/direct amphibious cargo handling operations.		F	F	F	F
AMW 11.2	Conduct amphibious cargo handling operations.		F	F/E	F/E	F/E
AMW 15	PROVIDE FOR AIR OPERATIONS TO SUPPORT AMPHIBIOUS OPERATIONS.					
AMW 15.1	Launch fixed wing (FW) and/or rotary wing (RW) aircraft. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
AMW 15.2	Recover FW and/or RW aircraft. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 15.5	<p>Provide conventional ordnance within required turnaround times.</p> <p>Note: Full capability assumes AV-8/AH-1 LFORM class V(A) loaded when AV-8/AH-1 operating for amphibious operations.</p> <p>Note: Ship's force in coordination with embarked USMC/TSOC personnel responsible for load and unload of aviation ordnance on or from aircraft and movement of aviation ordnance to and from the staging area.</p> <p>IV, V(L) - Plan and train.</p>		F/E	F/E	L	L
AMW 15.8	<p>Control aircraft under all conditions of active jamming.</p> <p>I, IA, III(L) - Advisory control only.</p> <p>IV, V(L) - Plan and train.</p>	L/E	L/E	L/E	L	L
AMW 15.9	<p>Load/unload ordnance within required aircraft turnaround time.</p> <p>Note: Full capability assumes AV-8/AH-1 LFORM class V(A) loaded when AV-8/AH-1 operating for amphibious operations.</p> <p>Note: Ship's force in coordination with embarked USMC/TSOC personnel responsible for load and unload of aviation ordnance on or from aircraft and movement of aviation ordnance to and from the staging area.</p> <p>IV, V(L) - Plan and train.</p>		F/E	F/E	L	L
AMW 15.13	<p>Render safe hazardous explosive ordnance during flight operations and ordnance loading and unloading evolutions.</p> <p>Note: Explosive ordnance disposal (EOD) det provides safing. Ship's force in coordination with embarked USMC/TSOC personnel responsible for ordnance handling.</p> <p>IV, V(L) - Plan and train.</p>	F/E	F/E	F/E	L	L
AMW 17	CONDUCT VERTICAL SHORT TAKE-OFF AND LANDING (VSTOL) FLIGHT OPERATIONS TO SUPPORT AN AMPHIBIOUS ASSAULT.					
AMW 17.1	<p>Conduct day VSTOL flight operations.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 17.2	<p>Conduct night VSTOL flight operations.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L
AMW 17.4	<p>Provide conventional ordnance within required aircraft turnaround time.</p> <p>Note: Full capability assumes AV-8/AH-1 LFORM class V(A) loaded when AV-8/AH-1 operating for amphibious operations.</p> <p>Note: Ship’s Force in coordination with embarked USMC/TSOC personnel responsible for load and offload of aviation ordnance on or from aircraft and movement of aviation ordnance to and from the staging area.</p> <p>IV, V(L) - Plan and train.</p>	F/E	F/E	F/E	L/E	L/E
AMW 17.5	<p>Conduct VSTOL flight operations during all EMCON conditions.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L
AMW 17.6	<p>Conduct VSTOL hot and cold refueling operations.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L
AMW 17.8	<p>Provide electrical power for VSTOL aircraft starting, testing, etc.</p>	F	F	F	F	F
AMW 17.9	<p>Provide ground handling equipment for loading and spotting VSTOL aircraft.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p>	L	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 17.10	<p>Load and unload ordnance within required aircraft turnaround times.</p> <p>Note: Full capability assumes AV-8/AH-1 LFORM class V(A) loaded when AV-8/AH-1 operating for amphibious operations.</p> <p>Note: Ship's Force in coordination with embarked USMC/TSOC personnel responsible for load and unload of aviation ordnance on or from aircraft and movement of aviation ordnance to and from the staging area.</p> <p>IV, V(L) - Plan and train.</p>	F/E	F/E	F/E	L	L
AMW 17.11	<p>Launch and recover aircraft to support amphibious operations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	F/A	F/E	L/E	L	L
AMW 20	<p>REPAIR OWN UNIT'S AMW EQUIPMENT.</p> <p>NOTE: During Condition III, full capability provided by off-watch personnel.</p> <p>I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.</p>	L	L	F/A	F	F
AMW 23	<p>CONDUCT ADVANCED FORCE OPERATIONS FOR AN AMPHIBIOUS OPERATION.</p>					
AMW 23.1	<p>Plan and direct advance force operations for an amphibious operation.</p> <p>Note: Full capability with embarked troops.</p> <p>IV, V(L) – Plan and train.</p>	F/E	F/E	F/E	L	L
AMW 24	<p>CONDUCT DIRECT ACTION AMPHIBIOUS RAIDS.</p>					
AMW 24.1	<p>Plan and direct direct action amphibious raids.</p> <p>Note: Full capability with embarked troops.</p> <p>IV, V(L) – Plan and train.</p>	F/E	F/E	F/E	L	L
AMW 24.2	<p>Conduct direct action amphibious raids.</p> <p>Note: Full capability with embarked troops.</p> <p>IV, V(L) – Plan and train.</p>	F/E	F/E	F/E	L	L
AMW 26	<p>CONDUCT TACTICAL RECOVERY OF AIRCRAFT AND PERSONNEL (TRAP).</p>					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 26.1	Plan and direct TRAP missions. Note: Full capability with embarked troops. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
AMW 26.2	Conduct TRAP missions. Note: Full capability with embarked troops. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
AMW 27	CONDUCT IN-EXTREMIS HOSTAGE RECOVERY (IHR).					
AMW 27.1	Plan and direct IHR operations. Note: Full capability with embarked troops. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
AMW 27.2	Conduct IHR operations. Note: Full capability with embarked troops. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
AMW 28	CONDUCT INITIAL TERMINAL GUIDANCE MISSIONS.					
AMW 28.1	Plan and direct initial terminal guidance missions. Note: Full capability with embarked troops. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
AMW 28.2	Conduct initial terminal guidance missions. Note: Full capability with embarked troops. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
AMW 29	CONDUCT SECURITY OPERATIONS TO PROTECT U.S. PROPERTY AND NONCOMBATANTS IN HOSTILE AND NON-HOSTILE ENVIRONMENTS.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AMW 29.1	Plan and direct security operations to protect U.S. property and noncombatants in hostile and non-hostile foreign environments. Note: Full capability with embarked troops. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
AMW 29.2	Conduct security operations to protect U.S. property and noncombatants in hostile and non-hostile foreign environments. Note: Full capability with embarked troops. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
AMW 31	PROVIDE INSTRUCTION TO NON-U.S. UNITS USING MOBILE TRAINING TEAMS					
AMW 31.1	Plan and direct use of mobile training teams to provide instruction to non-U.S. units.				F	F
AMW 31.2	Conduct use of mobile training teams to provide instruction to non-U.S. units.				F	F
AMW 43	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT’S AMW CAPABILITIES. I, IA (L) – Emergency repairs to equipment critical to ship’s mission. All critical combat system spaces manned with at least one technician in each space. V (L) – Plan and train.	L	L	F	F	L
AMW 44	LOCATE AND TRACK FRIENDLY FORCES USING THE AMPHIBIOUS ASSAULT DIRECTION SYSTEM, AN/KSQ-1. IV, V(L) - Plan and train.	F	F	F/A	L	L
AMW 46	CONDUCT COMBINED AMPHIBIOUS OPERATIONS.					
AMW 46.1	Conduct amphibious operations during denial operations. IV, V(L) – Plan and train.		F	F	L	L
AMW 46.2	Conduct an amphibious operation. IV, V(L) – Plan and train.		F	F	L	L
ASW	ANTISUBMARINE WARFARE (ASW)					
ASW 6	ENGAGE SUBMARINES INDEPENDENTLY OR IN COOPERATION WITH OTHER FORCES.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
ASW 6.8	Detect, localize and track subsurface contacts which are at periscope depth visually or with radar. V(L) - Plan and train.	F	F	F	F	L
ASW 6.14	Detect, classify and track subsurface contacts which are at periscope depth by electronic warfare support measures (ESM). V(L) - Plan and train.	F	F	F	F	L
ASW 7	ATTACK SUBMARINES WITH ANTI-SUBMARINE ARMAMENT.					
ASW 7.9	Attack with guns. Note: "F/A" in III and IV fully capable only when small-caliber action team (SCAT) is on station. V(L) - Plan and train.	F	F	F/A	F/A	L
ASW 8	DISENGAGE, EVADE, AVOID, AND DECEIVE SUBMARINES.					
ASW 8.1	Employ torpedo counter-measures and evasion techniques including: (a) torpedo countermeasures system (NIXIE) Note: Condition IA assumes NIXIE has been retrieved to permit well deck operations. Condition III assumes equipment is streamed and untended unless well deck operations are on-going. IV, V(L) - Plan and train.	F		F	L	L
ASW 9	REPAIR OWN UNIT'S ASW EQUIPMENT. NOTE: During Condition III, full capability provided by off-watch personnel. I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.	L	L	F/A	F	F
ASW 13	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S ASW CAPABILITIES. I, IA (L) – Emergency repairs to equipment critical to ship’s mission. All critical combat system spaces manned with at least one technician in each space. V (L) – Plan and train.	L	L	F	F	L
AW	AIR WARFARE (AW)					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AW 1	PROVIDE AIR DEFENSE INDEPENDENTLY OR IN COOPERATION WITH OTHER FORCES.					
AW 1.2	Conduct air self-defense using missile, gun, electronic, or physical systems (e.g., chaff, flares). IV, V(L) - Plan and train.	F	F	F	L	L
AW 1.3	Coordinate air defense planning and act as Air Defense Commander (ADC) for joint/SG/convoy/expeditionary/amphibious/replenishment operations. NOTE: Full capability when augmented with four additional watch positions required to perform sector area defense commander mission over full watch rotation. IV, V (L) – Plan and train.	F/E	F/E	F/E	L	L
AW 1.7	Engage air targets during joint/group operations. IV, V(L) - Plan and train.	F	F	F	L	L
AW 4	CONDUCT AIR OPERATIONS TO SUPPORT AIRBORNE ANTI-AIR OPERATIONS. Note: Following contingency AW and defensive counter air (DCA) capabilities available when operating AV-8/AH-1 aircraft. AV-8/AH-1 not suitable for routine force AW or DCA assignment, only in support of defense of the amphibious task force (DATF).					
AW 4.1	Launch fixed and/or RW aircraft involved in anti-air operations. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
AW 4.2	Recover fixed and/or rotary-wing aircraft involved in anti-air operations. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AW 4.5	<p>Provide conventional ordnance to support anti-air operations.</p> <p>Note: Full capability assumes AV-8/AH-1 LFORM class V (A) loaded when AV-8/AH-1 operated for amphibious operations.</p> <p>Note: Ship's Force in coordination with embarked USMC/TSOC personnel responsible for load or unload of aviation ordnance on or from aircraft and movement of aviation ordnance to or from the staging areas.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	F/E	L	L
AW 4.6	<p>Conduct air operations during all EMCON conditions.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L
AW 4.8	<p>Conduct air operations under all conditions of active jamming.</p> <p>Note: Advisory control only.</p> <p>I(L) – Flight quarters manning must be augmented from other battle stations.</p> <p>III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time.</p> <p>IV, V(L) - Plan and train.</p>	L	F/E	L/E	L	L
AW 4.11	<p>Render safe hazardous explosive ordnance during flight operations and ordnance loading and unloading evolutions.</p> <p>Note: EOD Det provides casualty safing.</p> <p>IV, V(L) – Plan and train.</p>	F/E	F/E	F/E	L	L
AW 6	DETECT, IDENTIFY and TRACK AIR TARGETS.					
AW 6.2	<p>Recognize by sight friendly and enemy aircraft.</p> <p>V(L) - Plan and train.</p>	F	F	F	F	L
AW 6.3	<p>Maintain an accurate air plot.</p> <p>V(L) - Plan and train.</p>	F	F	F	F	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AW 6.4	Measure aircraft altitude by radar. V(L) - Plan and train.	F	F	F	F	L
AW 6.5	Detect, identify, and track air targets with radar and/or cooperative sensors. V(L) - Plan and train.	F	F	F	F	L
AW 6.7	Detect, classify and track air targets by ESM. IV(L) - Supervisor and system operator position only for search and identification of non-communication signals. Location and targeting requires use of cross fixes. V(L) - Plan and train.	F	F	F	L	L
AW 6.11	Detect, identify and track air targets using night vision devices. IV, V(L) - Plan and train.	F	F	F	L	L
AW 6.13	Identify air targets as friendly and non-friendly using transponder interrogation equipment. V(L) - Plan and train.	F	F	F	F	L
AW 9	ENGAGE AIRBORNE THREATS USING SURFACE-TO-AIR ARMAMENT.					
AW 9.2	Engage medium or high-altitude, high speed airborne threats with medium or long-range missiles. Note: Medium threats only. IV, V(L) - Plan and train.	F	F	F	L	L
AW 9.3	Engage low-altitude threats with missiles. IV, V(L) - Plan and train.	F	F	F	L	L
AW 9.5	Engage airborne threats using installed anti-air weapons. IV, V(L) - Plan and train.	F	F	F	L	L
AW 9.6	Engage airborne threats utilizing soft-kill weapons systems (i.e., chaff and decoys). IV, V(L) - Plan and train.	F	F	F	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
AW 11	<p>REPAIR OWN UNIT'S AW EQUIPMENT.</p> <p>NOTE: During Condition III, full capability provided by off-watch personnel.</p> <p>I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.</p>	L	L	F/A	F	F
AW 12	<p>CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN AND RESTORE OWN UNIT'S AW CAPABILITIES.</p> <p>I, IA (L) – Emergency repairs to equipment critical to ship’s mission. All critical Combat system spaces manned with at least one technician in each space.</p> <p>V (L) – Plan and train.</p>	L	L	F	F	L
CCC	COMMAND, CONTROL AND COMMUNICATIONS(CCC)					
CCC 1	<p>PROVIDE COMMAND AND CONTROL (C2) FACILITIES FOR A TASK ORGANIZATION COMMANDER AND STAFF.</p> <p>Note: Provide support to partial staff elements for a short duration, sharing spaces, and facilities with ship’s company.</p>					
CCC 1.1	<p>Support (spaces, equipment and facilities only) embarked warfare commander or coordinator (other than own unit CO).</p> <p>I, IA, III, IV, V(L) - Provide support to partial staff elements for a short duration, sharing spaces, and facilities with ship’s company.</p>	L	L	L	L	L
CCC 1.3	<p>Provide adequate C2 facilities for embarked landing force commander.</p> <p>I, IA, III, IV, V(L) - Provide space only.</p>	L	L	L	L	L
CCC 1.7	<p>Provide a tactical logistics center with facilities for maintaining an accurate accounting of serial locations, maintaining an accurate status of the surface and helo-borne ship-to-shore movement, monitoring landing force logistics requests and advising Navy control officials of landing force requirements.</p> <p>Note: USMC and landing force Dets to ensure space is always available for both work up training familiarization and obviously while embarked.</p> <p>I, IA, III, IV, V(L) - Provide support to partial staff elements for a short duration, sharing spaces (troop OPS) and facilities with ship’s company.</p>	L	L	L	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
CCC 1.12	Provide an intelligence center with facilities for embarked staff for production of required intelligence. Note: Minimum JIC. Staffed by joint augmentees; and ship's intelligence specialist performs liaison. Provide support to partial staff elements for a short duration, sharing spaces, and facilities with ship's company.	F	F	F	F	F
CCC 1.13	Provide communications support for embarked warfare commander or coordinator. Note: Provide support to embarked staff elements for a short duration, sharing spaces, and facilities with ship's company.	F	F	F	F	F
CCC 1.14	Provide a combat information center (CIC) or combat direction center (CDC) with facilities for a staff watch officer. I, IA, III, IV, V (L) - Provide support to partial staff elements for a short duration, sharing spaces and facilities with ship's company.	L	L	L	L	L
CCC 2	COORDINATE AND CONTROL THE OPERATIONS OF THE TASK ORGANIZATION OR FUNCTIONAL FORCE TO CARRY OUT ASSIGNED MISSIONS.					
CCC 2.1	Coordinate the reconnaissance of multiple surface, subsurface and/or air contacts. V(L) - Plan and train.	F	F	F	F/A	L
CCC 2.6	Function as force or sector officer in tactical command (OTC) or composite warfare commanders (or alternate) to coordinate and control battle group or task force operations. Note: OTC level operations only. IV, V(L) -Plan and train.	F	F	F	L	L
CCC 2.8	Function as on-scene commander for a search and rescue (SAR) operation. V(L) - Plan and train.	F	F	F/A	F/A	L
CCC 2.16	Assist in planning AW, SUW, and ASW for the coordination of air operations in the assigned AO. V(L) - Plan and train.	F	F	F	F	L
CCC 2.18	Function as a SUW commander for force or sector. Note: Sector only or during assigned AO operations. V(L) - Plan and train.	F	F	F/A	F/A	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
CCC 3	PROVIDE OWN UNIT'S C2 FUNCTIONS.					
CCC 3.1	Maintain a CIC capable of collecting, processing, displaying, evaluating, and disseminating tactical information.	F	F	F	F	F
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 matter and equipment rapidly and efficiently.	F	F	F	F	F
CCC 3.5	Employ identification friend or foe (IFF) and selective identification feature including secure IFF mode 4. V(L) - Plan and train.	F	F	F	F	L
CCC 3.7	Maintain a CIC or CDC capable of supporting a tactical action officer.	F	F	F	F	F
CCC 3.8	Establish voice communications with USMC evacuation and command nets and/or naval support activity net. Note: Includes data communications. IV, V(L) - Plan and train.	F	F	F/A	L	L
CCC 3.11	Establish voice communications with supported forces. Note: Includes data communications. IV, V(L) - Plan and train.	F	F	F/A	L	L
CCC 3.12	Repair own unit's CCC equipment. I, IA(L) - Emergency repairs critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.	L	L	F	F	F
CCC 4	MAINTAIN NAVY TACTICAL DATA SYSTEM (NTDS) OR DATA LINK CAPABILITY.					
CCC 4.3	Transmit, receive and support link 11. V(L) - Plan and train.	F	F	F	F	L
CCC 4.5	Receive and process data link information from satellite communication (SATCOM). V(L) - Plan and train.	F	F	F	F	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
CCC 4.6	Receive and process data link information from high frequency (HF) systems. V(L) - Plan and train.	F	F	F	F	L
CCC 4.9	Transmit and receive and support link 16 surveillance, navigation and identification circuits. V(L) - Plan and train.	F	F	F	F	L
CCC 4.10	Transmit and receive and correlate targeting information with link 4A. V(L) - Plan and train.	F	F	F	F	L
CCC 4.11	Receive data link tracks from airborne AW aircraft. V(L) - Plan and train.	F	F	F	F	L
CCC 4.13	Transmit and receive data via Global Command and Control System-Maritime (GCCS-M). V(L) - Plan and train.	F	F	F	F	L
CCC 6	PROVIDE COMMUNICATIONS FOR OWN UNIT.					
CCC 6.1	Maintain tactical voice communications.	F	F	F	F	F/A
CCC 6.2	Maintain visual communications. I, I(A), III, IV(L) - Work one contact at a time. V(L) - Routine administrative signals	L	L	L	L	L/A
CCC 6.3	Maintain multi-channel cryptographically covered teletype and data receive circuits.	F	F	F	F	F/A
CCC 6.5	Maintain full duplex, cryptographically covered HF teletype and data circuits.	F	F	F	F	F/A
CCC 6.6	Process messages.	F	F	F	F	F/A
CCC 6.10	Maintain voice, teletype, and computer data crypto-graphically covered SATCOM circuits.	F	F	F	F	F/A
CCC 6.12	Maintain internal communications systems.	F	F	F	F	F
CCC 6.13	Maintain capability for low probability of intercept (LPI) HF communications.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
CCC 6.14	Maintain capability for LPI SATCOM. V(L) - Plan and train.	F	F	F	F	L
CCC 6.16	Provide tactical, secure, antijam ultra-high frequency voice communications.	F	F	F	F	F
CCC 6.17	Provide tactical, secure, antijam very high frequency voice communications.	F	F	F	F	F
CCC 6.19	Provide tactical, secure voice or data communications.	F	F	F	F	F/A
CCC 6.20	Provide internal ship signal exploitation system communications system.	F	F	F	F	F
CCC 6.24	Maintain common user digital information exchange system (CUDIXS) and Naval Modular Automated Communications System (NAVMACS) communications.	F	F	F	F	F/A
CCC 6.28	Maintain SECRET Internet Protocol Router Network (SIPRNET) and unclassified but sensitive Nonsecure Internet Protocol Router Network (NIPRNET) systems and support systems.	F	F	F	F	F/A
CCC 6.29	Maintain the commercial SATCOM systems and support systems.	F	F	F	F	F
CCC 6.30	Maintain information systems backbone.	F	F	F	F	F
CCC 9	RELAY COMMUNICATIONS.					
CCC 9.1	Relay visual communications. I, IA (L) - Work one contact at a time. V(L) - Routine administrative signals.	L	L	F	F	F
CCC 9.3	Relay electronic communications.	F	F	F	F/A	F/A
CCC 19	REPAIR OWN UNIT'S CCC EQUIPMENT. NOTE: During Condition III, full capability provided by off-watch personnel. I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.	L	L	F/A	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
CCC 20	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S CCC CAPABILITIES. I, IA (L) - Emergency repairs to equipment critical to ship's mission. All critical spaces manned with at least one technician in each space. V(L) - Plan and train	L	L	F	F	L
CCC 21	PERFORM COOPERATIVE ENGAGEMENT.					
CCC 21.1	Plan cooperative engagement. IV, V(L) - Plan and train.	F	F	F	L	L
CCC 21.2	Direct cooperative engagement. IV, V(L) - Plan and train.	F	F	F	L	L
CCC 21.3	Participate in cooperative engagement. IV, V(L) - Plan and train.	F	F	F	L	L
CCC 25	ACTIVATE CRISIS ACTION PROCEDURES.					
CCC 25.3	Establish a JIC watch. Note: Full capability when manned by embarked troops or amphibious squadron staff. IV, V(L) – Maintain a mini-JIC; watches stood by augmentees.	F/E	F/E	F/E	L/E	L/E
EW	ELECTRONIC WARFARE (EW)					
EW 1	CONDUCT ES OPERATIONS					
EW 1.1	Search for and intercept electromagnetic and directed energy signals and emissions. V(L) - Plan and train.	F	F	F	F/A	L
EW 1.2	Identify C2 and weapons system's signals. V(L) - Plan and train.	F	F	F	F/A	L
EW 1.3	Identify command, control and communications and threat weapons systems signals. V(L) - Plan and train.	F	F	F	F/A	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
EW 1.4	Provide location or targeting information of threat weapons, C2, platforms, and signal sources. I, IA, III, IV(L) -Location and targeting requires cross fixing. V(L) - Plan and train.	L	L	L	L/A	L
EW 1.5	Provide timely threat alert for actions involving electronic attack, electronic protection (EP), EMCON, avoidance, deception and targeting. V(L) - Plan and train.	F	F	F	F/A	L
EW 1.6	Conduct electronic surveillance (ES) for self-defense and indications and warnings (I&W). Note: Includes support for Marine air-ground task force forces. III(L) – Supervisor and ESM operator positions only. IV(L) – ESM operator only. V(L) - Plan and train.	F	F	L	L	L
EW 1.8	Identify and coordinate tactical information operations (IO) information requirements and disseminate information derived from ES and other sources to composite warfare commander, warfare commanders and naval, combined, and joint forces. III(L) – Supervisor and ESM operator positions only. IV(L) – ESM operator only. V(L) - Plan and train.	F	F	L	L	L
EW 1.10	Maintain and provide timely updates to the tactical electronic order of battle III(L) – Supervisor and ESM operator positions only. IV(L) – ESM operator only. V(L) - Plan and train.	F	F	F	L	L
EW 3	CONDUCT ELECTRONIC PROTECTION (EP) OPERATIONS					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
EW 3.1	Detect, identify and protect against electronic jamming of electromagnetically controlled and/or dependent systems. III(L) – Supervisor and ESM operator positions only. IV(L) – ESM operator only. V(L) - Plan and train.	F	F	L	L	L
EW 3.2	Detect, identify and protect against electronic deception of electromagnetically controlled and/or dependent systems. III(L) – Supervisor and ESM operator positions only. IV(L) – ESM operator only. V(L) - Plan and train.	F	F	L	L	L
EW 3.7	Implement appropriate/directed electromagnetic acoustic EMCON condition.	F	F	F	F	F
EW 3.8	Transition rapidly from one EMCON condition to another. IV, V(L) – Ships may not be able to rapidly transition due to locked or unmanned spaces.	F	F	F	L	L
EW 3.9	Monitor own unit compliance with EMCON condition in effect.	F	F	F	F/A	F/A
EW 3.10	Monitor task group/force compliance with EMCON condition in effect.	F	F	F	F/A	F/A
EW 3.13	Manage electromagnetic/acoustic and/or other emissions to minimize mutual interference among friendly systems. V(L) – Plan and train.	F	F	F	F/A	L
FHP	FORCE HEALTH PROTECTION (FHP)					
FHP 23	PROVIDE MEDICAL CARE TO ASSIGNED AND EMBARKED PERSONNEL. Note: General medical and forward resuscitative surgical care facility consisting of 6 intensive care units beds, 18 ward beds, 1 operating room, 1 space designated for dual purpose as second operating room and main battle dressing station, laboratory, pharmacy, X-ray room and 2 dental operator.					
FHP 23.1	Conduct sick call.			F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FHP 23.2	Conduct physical examinations.			F	F	F
FHP 23.3	Conduct lab diagnostic services requiring the following personnel: (b) Laboratory technicians. Note: Augmentation of ship's medical department by surgeon and surgical support personnel required to achieve full capability. I, IA(L) - Battle casualty support.	L	L	F	F	F
FHP 23.4	Conduct basic ward care. IV, V(L) - Ward care limited to patients not requiring special nursing skills or monitoring. Seriously injured casualties will normally be transferred to an activity with full-spectrum post-operative care facilities at the first opportunity.	F	F	F	L	L
FHP 23.5	Conduct sanitation and safety inspections.			F	F	F
FHP 23.6	Conduct occupational health/safety and preventative medicine programs and training using the following personnel: (a) Hospital corpsman. (b) Preventive medicine technician.			F	F	F
FHP 23.8	Conduct pharmacy services requiring the following personnel: (a) Hospital corpsman. (b) Pharmacy technician. I, IA(L) - Battle casualty support.	L	L	F	F	F
FHP 23.9	Conduct associated administrative/ maintenance services: (a) Maintain adequate medical supplies for appropriate level health care. (b) Perform routine administrative services. I, IA(L) - Battle casualty support.	L	L	F	F	F
FHP 23.10	Conduct on-site emergency medical treatment during hazardous evolutions including flight quarters, underway replenishment (UNREP), refueling, and amphibious assault boat operations.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FHP 23.12	<p>Conduct radiological diagnostic services requiring the following personnel:</p> <p>(a) Hospital corpsman. (b) Radiological technicians.</p> <p>I, IA(L) - Battle casualty support.</p> <p>Note: Augmentation of ship's medical department by surgeon and surgical support personnel required to achieve full capability.</p>	L	L	F	F	F
FHP 23.13	<p>Provide central sterile supply service functions</p> <p>I, IA (L) – Battle casualty support.</p>	L	L	F	F	F
FHP 23.15	Conduct disease and vector control planning and operations.	F	F	F	F	F
FHP 23.17	Identify, equip and maintain suitable spaces to provide medical care.	F	F	F	F	F
FHP 23.18	Identify, equip and maintain adequate storage spaces for medical equipment and medical supplies.	F	F	F	F	F
FHP 23.19	<p>Provide medical care, triage and resuscitation commensurate with health care provider credentials using the following personnel:</p> <p>Note: Full capability for (c) and (d) require augmentation of special teams.</p> <p>(a) Independent duty corpsman. (b) Medical officer. (c) Surgical staff. (d) Nurse staff. (e) Dental officer.</p>	F	F	F	F	F
FHP 23.20	<p>Provide obstetrics and gynecological medical care commensurate with health care provider credentials using the following personnel:</p> <p>(a) Independent duty corpsman. (b) Medical officer.</p> <p>I, IA(L) - Battle casualty support.</p>	L	L	F	F	F
FHP 24	PROVIDE FIRST AID ASSISTANCE.					
FHP 24.1	Identify, equip and maintain appropriate first aid spaces.	F	F	F	F	F
FHP 24.2	Train assigned personnel in first aid, self and buddy aid procedures.			F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FHP 24.3	Train stretcher-bearers.			F	F	F
FHP 25	PROVIDE TRIAGE OF CASUALTIES/PATIENTS.					
FHP 25.1	Identify, equip and maintain suitable triage spaces.	F	F	F	F	F
FHP 25.2	Train assigned and embarked personnel in first aid, self and buddy aid procedures.			F	F	F
FHP 25.3	Provide administrative support to augmentation personnel/associated equipment that are assigned to triage and chemical, biological and radiological (CBR) decontamination stations.	F	F	F	F	F
FHP 25.4	Train designated non-medical personnel to assist in triage management care for CBR contamination casualties. Note: Train designated non-medical personnel and augmentees in triage and management of contaminated CBR casualties.			F	F	F
FHP 25.5	Train designated non-medical personnel in CBR casualty decontamination procedures. Note: Includes training of all non-medical personnel and augmentees in platform unique triage management care.			F	F	F
FHP 25.6	Train designated supervisory medical personnel in oversight procedures during CBR casualty decontamination.			F	F	F
FHP 25.7	Provide medical treatment for CBR casualties. Note: Performed following post-contamination procedures. III, IV, V(L) – Plan and train.	F	F	L	L	L
FHP 26	PROVIDE MEDICAL/SURGICAL TREATMENT FOR CASUALTIES/PATIENTS.					
FHP 26.1	Identify, equip and maintain suitable resuscitation spaces.	F	F	F	F	F
FHP 26.2	Train assigned and embarked personnel in resuscitation.			F	F	F
FHP 26.3	Provide administrative support to resuscitation trained augmented personnel and their associated equipment.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FHP 26.4	Identify, equip, and maintain adequate medical supply storage spaces for appropriate level of resuscitation. Note: Equipment and storage spaces adequate to meet the needs of forward resuscitative medical and surgical treatment to include equip and maintain a trauma and resuscitation room utilizing anesthesia appropriate sterilizer, supply and medical instrument support.	F	F	F	F	F
FHP 26.5	Identify, equip, and maintain suitable spaces for emergency minor surgery. Note: Provide emergency, minor, resuscitative or stabilization surgery by medical personnel. Equip and maintain a suitable trauma and resuscitation room utilizing local or spinal anesthesia with appropriate sterilizer, supply, and medical instrument support.	F	F	F	F	F
FHP 26.6	Identify, equip and maintain suitable operating room(s) for use by the following personnel: (a) Medical officers. (b) General surgeons. (c) Surgical specialists.	F	F	F	F	F
FHP 27	PROVIDE MEDICAL, SURGICAL, POST-OPERATIVE AND NURSING CARE FOR CASUALTIES/PATIENTS. Note: Provide medical surgical and post-operative nursing care for casualties and patients. Post-operative and medically intensive casualty care issues special nursing skills and monitoring. Augmentation of ship's medical department by surgical support personnel is required to achieve full capability. Seriously ill or casualties will be transferred to a facility with full nursing care at the first opportunity. Ward care is limited to patients not requiring special nursing care or monitoring. Note: Dedicated surgical laundry not available.					
FHP 27.1	Provide hospital beds: (a) Intensive care. (b) Ward.	F	F	F	F	F
FHP 27.2	Provide quiet room beds.	F	F	F	F	F
FHP 27.3	Provide blood bank capabilities. I, IA (L) – Battle casualty support.	L	L	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FHP 27.4	Provide suitable care of the dead. I, IA, III, IV, V(L) – Pertains to the immediate care of casualties that die while being cared for in medical spaces.	L	L	L	L	L
FHP 27.5	Provide surgery by primary care medical officer. I, IA, III, IV, V(L)- Limited to specific providers credentials.	L	L	L	L	L
FHP 27.6	Provide surgery by General Surgeon. Note: Requires augmentation of ship’s medical department by surgeon and surgical support personnel required to achieve full capability.	F/E	F/E	F/E	F/E	
FHP 27.7	Provide surgery by surgical specialists and subspecialists. Note: Requires augmentation of ship’s medical department by surgeon and surgical support personnel required to achieve full capability.	F,E	F/E	F/E	F/E	
FHP 27.10	Provide recovery beds. Note: Augmentation of ship’s medical department by surgical support personnel required to achieve full capability.	F/E	F/E	F/E	F/E	F/E
FHP 27.12	Provide administrative support to augmented nursing services personnel and their associated equipment. I, IA(L) - Battle casualty support.	L	L	F	F	F
FHP 27.13	Provide all support needed to augmentation personnel/equipment assigned to nursing services.	F	F	F	F	F
FHP 28	PROVIDE MEDICAL REGULATION, TRANSPORT/EVACUATION AND RECEIPT OF CASUALTIES/PATIENTS. Note: Provide for medical requirements.					
FHP 28.1	Provide appropriate equipment to conduct medical evacuation (MEDEVAC).	F	F	F	F	F
FHP 28.2	Train assigned and embarked medical personnel in medical regulation procedures.			F	F	F
FHP 28.3	Provide administrative support to augmented medical regulation personnel and their associated equipment.	F	F	F	F	F
FHP 28.4	Transport and/or provide for casualty and patient evacuation. Note: Augmentation of ship's medical department by casualty receiving and treatment medical regulating personnel required to achieve full capability. IV,V(L) - Plan and train.	F/E	F/E	F/E	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FHP 28.5	Train assigned and embarked personnel in MEDEVAC procedures.			F	F	F
FHP 28.6	Receive casualties/ patients via surface and/or air. I(L) – 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations IA, III, IV, V(L) - Ship's company may be augmented by landing force, special surgical teams and off-watch personnel.	L/E	L/E	L/E	L/E	L/E
FHP 28.7	Coordinate and control casualty and patient evacuation operations. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
FHP 28.8	Maintain a casualty and patient information center capable of collecting, processing, displaying, evaluating and disseminating casualty and patient information. IV, V(L) – Plan and train.	F/E	F/E	F/E	L	L
FHP 28.10	Provide aeromedical evacuations of casualties and patients. Note: Requires external aircraft. I(L) – 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. V(L) – Plan and train.	L/E	F/E	F/E	F/E	L/E
FHP 29	PROVIDE ROUTINE AND EMERGENCY DENTAL CARE.					
FHP 29.1	Conduct dental sick call.			F	F	F
FHP 29.2	Conduct dental examinations. I, IA(L) - Battle casualties.	L	L	F	F	F
FHP 29.3	Conduct a preventive dentistry program including oral prophylaxis and topical fluoride.			F	F	F
FHP 29.4	Identify, equip and maintain suitable spaces to conduct dental care. I(L) – Battle casualties.	L	F	F	F	F
FHP 29.5	Identify, equip and maintain adequate storage spaces for dental equipment and supplies.			F	F	F
FHP 29.6	Provide central dental sterile supply services.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FHP 29.7	Conduct dental radio-graphic services: (a) Intraoral capability. I, IA(L) – Battle casualties.	L	L	F	F	F
FHP 30	PROVIDE DEFINITIVE DENTAL CARE FOR CASUALTIES AND PATIENTS.					
FHP 30.1	Provide restorative treatment and minor oral surgery including tooth extractions. I, IA(L) - Battle casualties.	L	L	F	F	F
FHP 30.2	Provide periodontal treatment including periodontal surgery. III, IV, V(L) - Emergency treatment only.			L	L	L
FHP 30.3	Provide endodontic treatment. III, IV, V(L) - Emergency treatment only.			L	L	L
FHP 30.4	Provide dental prosthesis fabrication and repair. (a) Limited laboratory. III, IV, V(L) - Minor or temporary fabrication and repairs.			L	L	L
FHP 31	PROVIDE ORAL SURGERY/MAXILLOFACIAL CARE FOR CASUALTIES/PATIENTS.					
FHP 31.1	Identify, equip and maintain suitable oral/maxillofacial surgical spaces.	F	F	F	F	F
FHP 31.2	Provide all support needed to augmentation personnel/equipment assigned to provide oral surgery/maxillofacial care for casualties/ patients.	F	F	F	F	F
FHP 31.3	Provide oral surgery maxillofacial care. I, IA(L) - Battle casualties.	L	L	F	F/A	
FHP 35	AUGMENT ASSIGNED AND EMBARKED MEDICAL PERSONNEL Note: Augmentation is from ship's company and/or embarked landing forces.					
FHP 35.1	Augment medical personnel by providing first aid assistance.	F	F	F	F	F
FHP 35.2	Augment medical personnel by providing triage assistance.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FHP 35.3	Augment medical personnel by providing resuscitation and stabilization assistance.	F	F	F	F	F
FSO	FLEET SUPPORT OPERATIONS (FSO)					
FSO 1	REPAIR AND OVERHAUL SHIPS, AIRCRAFT AND ASSOCIATED EQUIPMENT.					
FSO 1.1	Provide the following services: (a) Machinery repair (Diesel engine and Diesel related support equipment). (b) Ship fitter. (c) Rigging and handling. III, IV, V(L) - For LCACs, routine repairs performed by the LCACs crews and the assault craft sea element repair divisions; the ship may provide assistance to repair emergent casualties. Provide services to other units using as directed by the force commander to maintain force readiness.			L/A	L	L
FSO 1.2	Provide repair services for: (a) Interior communications. (b) LCAC. Note: III, IV, V(F/A) - For LCACs, routine repairs performed by the LCACs' crews and the assault craft sea element repair divisions; the ship may provide assistance to repair emergent casualties. I, IA(L) - Battle repairs only.	L	L	F/A	F/A	F/A
FSO 1.3	Provide repair and inspection services for: (a) Microelectronics. I, IA(L) - Battle repairs only.	L	L	F/A	F/A	F/A
FSO 1.14	Provide inspection, test, calibration or repair service for: (a) Electrical repair. I, IA(L) - Battle repairs only.	L	L	F/A	F/A	F/A
FSO 3	PROVIDE SUPPORT SERVICES TO OTHER UNITS.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FSO 3.1	<p>Provide the following services to other units:</p> <p>(a) Administrative services. (b) Automated data processing support. (c) Disbursing. (d) Classified material storage. (f) Chaplain services. (g) Library services. (h) Ship store. (i) Laundry. (k) Barber shop. (q) Trash and garbage disposal services. (v) Navigation satellite services. (w) Communication satellite services. (z) Wardroom mess services. (aa) Enlisted mess service. (ac) Hazardous material process services. (ae) Postal services. (ag) Maintain preservation and cleanliness of spaces earmarked for embarked personnel.</p> <p>III, IV, V(L) - Capable of providing only limited administrative services to embarked units and limited services to units in company on an emergency basis.</p>			L	L	L
FSO 3.3	<p>Support aircraft (when assigned).</p> <p>Note: Embarked aviation Det provides own maintenance and unique test equipment.</p> <p>I, IA(L) - Battle repairs only. Selected personnel may have to stand down from their watch stations to provide support.</p>	L	L	F	F	F
FSO 5	CONDUCT TOWING/SEARCH/SALVAGE/RESCUE OPERATIONS.					
FSO 5.1	<p>Conduct towing operations.</p> <p>V(L) – Plan and train.</p>	F		F	F	L
FSO 5.3	<p>Conduct rescue operations.</p> <p>V(L) – Plan and train.</p>	F	F	F	F	L
FSO 5.15	Plan/direct towing, search, salvage and/or rescue operations.	F			F	F
FSO 5.17	<p>Prepare a vessel or craft to be towed.</p> <p>V(L) – Plan and train.</p>	F	F	F	F	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FSO 5.18	Augment a towing vessel in the conduct of towing operations. V(L) – Plan and train.	F	F	F	F	L
FSO 6	SUPPORT/CONDUCT SAR OPERATIONS IN A COMBAT/NONCOMBAT ENVIRONMENT.					
FSO 6.1	Support and conduct combat and noncombat SAR operations by fixed or rotary-wing aircraft. Note: Noncombat, day light operations only. Night SAR capability with the use of night SAR-capable helo. Requires external helos. I(L) – 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. V(L) - Plan and train.	L	F/E	F/E	F/E	L
FSO 6.2	Conduct combat/noncombat SAR operations by surface ships. I, IA(L) - Selected personnel must stand down from condition I or IA stations to man SAR boat or deck recovery details. V(L) – Plan and train.	L/E	L/E	F/E	F/E	L
FSO 6.4	Recover man overboard. Note: Night SAR with the use of night SAR capable helo. Requires external helo. I(L) – 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. I, IA(L) - Selected personnel must stand down from condition I or IA stations to man SAR boat or deck recovery details.	L/E	L/E	F/E	F/E	F/E
FSO 6.5	Support/perform plane guard/lifeguard functions. I(L) - Rescue requires securing personnel from other battle stations.	L		F/E	F/E	
FSO 6.7	Conduct general surveillance. V(L) - Plan and train.	F	F	F	F	L
FSO 6.8	Acquire and display distress data. V (L) - Plan and train.	F	F	F/A	F/A	L
FSO 6.9	Report situation assessment. V(L) - Plan and train.	F	F	F/A	F/A	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FSO 6.10	Coordinate SAR operations. V(L) - Plan and train.	F	F	F/A	F/A	L
FSO 6.11	Conduct multi-unit SAR operations. V(L) - Plan and train.			F/A	F/A	L
FSO 20	PROVIDE FLEET TRAINING SERVICES.					
FSO 20.1	Act as target for submarines. V(L) - Plan and train.			F	F	L
FSO 20.6	Act as delivery or receiving ship for UNREP training. III, IV(L) - Receive only.			L/E	L/E	
FSO 20.11	Provide cargo handling training to assigned personnel and designated augmenters.			F	F	F
FSO 20.14	Provide amphibious operation training for Fleet Marine Force units.			F	F	
FSO 20.19	Provide training in emergency destruct procedures.				F	F
FSO 20.64	Plan, coordinate and conduct inport SG and/or ESG workup training.					F
FSO 20.68	Act as school ship for engineering training.				F	F
FSO 27	CONDUCT NAVIGATION STATION OPERATIONS.					
FSO 27.1	Provide navigation data to ships and aircraft. Note: Verbal data and tactical air navigation only; no other electronic data or umbilical link.	F	F	F	F	F
FSO 27.2	Serve as navigation station.	F	F	F	F	
FSO 51	REPAIR OWN UNIT'S FSO-RELATED EQUIPMENT. NOTE: During Condition III, full capability provided by off-watch personnel. I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.	L	L	F/A	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
FSO 55	MAINTAIN READINESS BY PROVIDING FOR TRAINING OF OWN UNIT'S PERSONNEL.			F	F	F
INT	INTELLIGENCE OPERATIONS (INT)					
INT 1	SUPPORT OR CONDUCT INTELLIGENCE COLLECTION.					
INT 1.3	Support or conduct imagery intelligence information collection at short and long range utilizing organic or non-organic, or assigned imagery sensors and on-board imagery processing systems. I, IA, III, IV(L) – Hand-held digital cameras. V(L) - Plan and train.	L	L	L	L	L
INT 1.9	Collect signals intelligence information, including communications intelligence and electronic intelligence. IV, V(L) - Plan and train.	F	F	F	L	L
INT 2	PROVIDE INTELLIGENCE.					
INT 2.1	Maintain intelligence summary plots on air, ground, surface and subsurface activities to include an all-source manual and automated tactical intelligence plot. Note: While conducting amphibious, Marine expeditionary unit (special operations capable) (MEU (SOC)) or other expeditionary warfare missions and if landing force staff's and intelligence augmentation is embarked, the JIC should function at its full capacity. V(L) - Plan and train.	F	F	F	F	L
INT 2.2	Evaluate and disseminate intelligence information. Note: While conducting amphibious, MEU (SOC) or other expeditionary warfare missions and if landing force staff's and intelligence augmentation is embarked, the JIC should function at its full capacity. V(L) - Plan and train.	F	F	F	F	L
INT 2.4	Establish and maintain access to service and national intelligence sources to include national theater and other tactical intelligence automated data sources up to the top secret/sensitive compartmented information (SCI) level for operational intelligence support. Note: While conducting amphibious MEU (SOC) or other expeditionary missions and if landing force staff's intelligence augmentation is embarked, the JIC should function at its full capacity. V(L) - Plan and train.	F	F	F	F	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
INT 2.6	Produce intelligence information reports from all processed images as required by the fleet intelligence collection manual for further dissemination for fleet and national agencies. Disseminate reports, hard and soft copy and accompanying images.	F	F	F	F	L
INT 2.27	Provide a summary and situation reports of enemy situation, capabilities, possible courses of action and reconnaissance status. V(L) – Plan and train.	F	F	F	F	L
INT 3	CONDUCT INTELLIGENCE SURVEILLANCE AND RECONNAISSANCE.					
INT 3.2	Plan, direct, coordinate and conduct overt surveillance and reconnaissance operations.	F	F	F/A	F/A	F/A
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
INT 6	CONDUCT SURFACE RECONNAISSANCE.					
INT 6.1	Conduct surface patrols or barriers. V(L) – Plan and train.	F		F	F	L
INT 6.3	Conduct reconnaissance of surface forces. V(L) – Plan and train.	F		F	F	L
INT 6.7	Recognize by sight friendly and enemy aircraft, ships, submarines and potential naval fire support targets which may be encountered in the expected operating areas. V(L) – Plan and train.	F	F	F	F	L
INT 7	SUPPORT/CONDUCT AIRBORNE RECONNAISSANCE.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
INT 7.1	Support/conduct unarmed reconnaissance (weather, visual, battle damage assessment etc.). I, IA, III, IV, V(L) - Capability limited to supporting aircraft from embarked aviation squadrons.	L	L	L	L	L
INT 7.3	Recognize by sight friendly and enemy aircraft, ships, and submarines which may be encountered in the expected operating areas. I, IA, III, IV(L) - Capability limited to supporting aircraft from embarked aviation squadrons and the mini-JIC when activated.	L	L	L	L	
INT 8	PROCESS INTELLIGENCE SURVEILLANCE AND RECONNAISSANCE INFORMATION.					
INT 8.1	Perform initial processing, print selection and mosaic creation from tactical imagery. I, IA, III, IV, V(L) - Capability limited to those of embarked intel personnel.	L	L	L	L	L
INT 8.2	Process tactically significant intelligence information from missions gained with one or more of these intelligence sources. (a) SIGINT, comprised of electronic intelligence (ELINT), communications intelligence (COMINT) and foreign instrumentation signals intelligence (FISINT). (c) Imagery intelligence (IMINT). (d) Human intelligence (HUMINT). (e) Relocated to INT 8.2(a). (f) Measurement and signature intelligence (MASINT). I, IA, III, IV, V(L) - Capability limited to those of embarked intel personnel.	L	L	L	L	L
INT 8.3	Process intelligence information at the NATO secret level. I, IA, III, IV, V(L) - Capability limited to those of embarked intel personnel.	L	L	L	L	L
INT 8.4	Process intelligence, surveillance and reconnaissance (ISR) information at a level releasable to coalition partners. I, IA, III, IV, V(L) - Capability limited to those of embarked intel personnel.	L	L	L	L	L
INT 8.5	Conduct digital exploitation and analysis of imagery products using automated systems. I, IA, III, IV, V(L) - Capability limited to those of embarked intel personnel.	L	L	L	L	L
INT 9	DISSEMINATE INTELLIGENCE SURVEILLANCE AND RECONNAISSANCE INFORMATION.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
INT 9.1	Report and disseminate tactically significant intelligence information from missions gained with one or more of these intelligence sources. (a) SIGINT, comprised of ELINT COMINT and FISINT. (b) Relocated to INT 9.1(a). (c) IMINT. (d) HUMINT. (e) Relocated to INT 9.1(a). (f) MASINT. (g) OSINT. V(L) - Plan and train.	F	F	F	F	L
INT 9.2	Disseminate intelligence information at the NATO secret level. V(L) - Plan and train.	F	F	F	F	L
INT 9.3	Disseminate ISR information at a level releasable to coalition partners. V(L) - Plan and train.	F	F	F	F	L
INT 15	PROVIDE INTELLIGENCE SUPPORT FOR NON-COMBATANT EVACUATION OPERATIONS (NEO).					
INT 15.1	Provide intelligence support for NEO planners and NEO execution. Note: Subject to mini-JIC capabilities and manning.	F/E	F/E	F/E	F/E	
INT 15.2	Provide integrated all-source intelligence to NEO participants. Note: Subject to mini-JIC capabilities and manning.	F/E	F/E	F/E	F/E	
INT 15.3	Provide for debriefing of evacuees.	F	F	F	F	
INT 17	REPAIR OWN UNIT'S INTELLIGENCE RELATED EQUIPMENT. NOTE: During Condition III, full capability provided by off-watch personnel. I, IA(L) – Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.	L	L	F/A	F	F
INT 19	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S INT CAPABILITIES. I, IA(L) - Emergency repairs to equipment critical to ship's mission. All critical spaces manned with at least one technician in each space. V(L) - Plan and train	L	L	F	F	L
INT 26	CONDUCT INTELLIGENCE OPERATIONS.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
INT 26.9	Analyze and evaluate operational areas, operational threat and friendly information. Note: While conducting amphibious, MEU (SOC) or other expeditionary missions and if landing force staff's intelligence augmentation is embarked, the JIC should function at its full capacity. V(L) – Plan and train.	F	F	F	F	L
INT 26.10	Integrate operational intelligence. Note: While conducting amphibious, MEU (SOC) or other expeditionary missions and if landing force staff's intelligence augmentation is embarked, the JIC should function at its full capacity. V(L) – Plan and train.	F	F	F	F	L
IO	INFORMATION OPERATIONS (IO)					
IO 4	PLAN AND IMPLEMENT OPSEC MEASURES.					
IO 4.11	Plan, coordinate and control implementation of OPSEC measures. V(L) – Plan and train.	F	F	F	F/A	L
IO 4.12	Execute OPSEC measures. V(L) – Plan and train.	F	F	F	F/A	L
IO 5	CONDUCT COORDINATED INFORMATION WARFARE OPERATIONS WITH OTHER FORCES IN SUPPORT OF A JTF/GROUP.					
IO 5.2	Plan and direct coordinated IO with other forces in support of a JTF, group, surface action group (SAG) or naval, joint, and combined forces. V(L) – Plan and train.	F	F	F	F/A	L
IO 6	PLAN AND CONDUCT COUNTER-SURVEILLANCE, COUNTER-TARGETING and MILITARY DECEPTION (MILDEC) OPERATIONS.					
IO 6.7	Conduct naval operational deception operations using tactics, operations, exercises, or physical means. IV, V(L) – Plan and train.	F	F	F	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
IO 14	<p>REPAIR OWN UNIT'S IO EQUIPMENT.</p> <p>NOTE: During Condition III, full capability provided by off-watch personnel.</p> <p>I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.</p>	L	L	F/A	F	F
IO 16	<p>CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S IO CAPABILITIES.</p> <p>I, IA (L) - Emergency repairs to equipment critical to ship's mission. All critical spaces manned with at least one technician in each space.</p> <p>V(L) - Plan and train.</p>	L	L	F	F	L
IO 19	<p>PLAN AND CONDUCT IO PROTECTION OPERATIONS TO DEFEND FRIENDLY INFORMATION, INFORMATION-BASED PROCESSES, INFORMATION SYSTEMS AND COMPUTER-BASED NETWORKS.</p>					
IO 19.3	<p>Restore friendly C2 system operations in the event of successful adversary C2-attack operations.</p> <p>IV, V(L) - Plan and train.</p>	F	F	F/A	L	L
IO 24	<p>PROVIDE CRYPTOLOGIC SUPPORT AND TRAINING</p>					
IO 24.1	<p>Operate a 24-hour special intelligence communications center, to include:</p> <p>(a) Provide and maintain SCI communications.</p> <p>(b) Conduct emergency SCI communication procedures.</p> <p>(c) Provide, maintain and administer SCI local area network</p> <p>(d) Plan and/or direct fleet connectivity on intelligence, intelligence communication and imagery networks.</p> <p>(e) Provide and maintain SCI video teleconference facilities.</p> <p>(f) Provide, maintain and administer SCI intelligence Web pages.</p> <p>(g) Operate SCI networks.</p> <p>IV, V(L) - Plan and train.</p>	F	F	F	L	L
IO 25	<p>MILITARY DECEPTION (MILDEC).</p>					
IO 25.5	<p>Execute military tactical level deception operations using technical means (electronic, acoustic, visual and electro-optic.)</p> <p>IV, V(L) – Plan and train.</p>	F	F	F	L	L
LOG	<p>LOGISTICS (LOG)</p>					
LOG 1	<p>CONDUCT UNDERWAY REPLENISHMENT (UNREP).</p>					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
LOG 1.1	Transfer ammunition underway. Note: Receive only. V(L) – Plan and train.			F	F	L
LOG 1.2	Transfer ammunition underway by standard tensioned replenishment alongside method (STREAM). Note: Receive only. V(L) – Plan and train.			F	F	L
LOG 1.3	Transfer cargo underway. Note: Receive only. V(L) – Plan and train.			F	F	L
LOG 1.4	Transfer cargo underway by STREAM. Note: Receive only. V(L) – Plan and train.			F	F	L
LOG 1.11	Provide vertical replenishment (VERTREP) underway. Note: Requires external helo.			F	F	
LOG 1.12	Replenish other units underway with limited fuel, provisions, munitions, potable and feed water. Note: Ship does not have the capability to transfer fuel or potable water using any alongside method. Ship does not have feed water. Fuel and/or water may be transferred by portable containers. V(L) – Plan and train.			F	F	L
LOG 2	TRANSFER AND 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	F/A	F/A	F
LOG 2.4	Transfer and receive personnel by helo. Note: Requires external helo.		F	F	F	

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
LOG 2.5	Transfer personnel and light freight by highline. V(L) - Plan and train.			F/E	F/E	L
LOG 3	PROVIDE SEALIFT FOR CARGO AND PERSONNEL.					
LOG 3.1	Provide stowage and berthing spaces for equipment and personnel during transit. V(L) - Plan and train.	F	F	F	F	L
LOG 3.2	Provide small boat services for transfer of personnel, cargo, weapons, provisions and supplies. V(L) - Plan and train.		F	F	F	L
LOG 3.3	Provide the capability for air cushion vehicle transfer of personnel, cargo, weapons, provisions, and supplies. Note: Requires LCAC embarked from ACU. V(L) - Plan and train.		F	F	F	L
LOG 3.4	Plan/direct sealift for cargo and personnel. Coordinate with logistics coordinator. V(L) - Plan and train.			F	F	L
LOG 4	SUPPORT SHIPS AND AIRCRAFT IN SUPPLIES, ORDNANCE AND OTHER SERVICES.					
LOG 4.1	Provide fuel and lubricating oil to another unit. Note: Via LCAC/LCU for condition I(A).		F			F
LOG 4.4	Provide another unit with: (b) Electric power (e) Fresh water.					F
LOG 8	CONDUCT MATERIAL CONTROL OPERATIONS (MATCONOFF). Note: Applicable when senior unit in operation.					
LOG 8.1	Screen material for all units in the group. V(L) – Plan and train.			F	F	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
LOG 8.2	Consolidate receipt and transshipment of all group cargo and mail, including off-ship cargo operations in support of embarked forces. V(L) – Plan and train.			F	F	L
LOG 8.3	Control all passenger movement to and from the group. V(L) – Plan and train.		F	F	F	L
LOG 9	REPAIR OWN UNIT’S LOGISTICS EQUIPMENT. NOTE: During Condition III, full capability provided by off-watch personnel. I, IA (L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Cond I or IA stations.	L	L	F/A	F	F
LOG 10	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT’S LOG CAPABILITIES. I, IA (L) - Emergency repairs to equipment critical to ship's mission. All critical spaces manned with at least one technician in each space. V(L) - Plan and train	L	L	F	F	L
MIW	MINE WARFARE (MIW)					
MIW 3	CONDUCT MINE NEUTRALIZATION AND DESTRUCTION.					
MIW 3.6	Provide support for embarked EOD/sea-air-land (SEAL). Note: Facilities only.	F	F	F	F	F
MIW 4	CONDUCT MCM.					
MIW 4.10	Plan/direct MCM. Note: Participate with embarked MCM units and MCM squadron Det. IV, V(L) – Plan and train.			F/E	L/E	L/E
MIW 4.11	Detect and avoid mines using organic sensors. Note: Requires embarkation and support of very shallow water MCM Det.			F/E	F/E	F/E
MIW 6	CONDUCT MAGNETIC SILENCING (DEGAUSSING, DEPERMING, ETC.)					
MIW 6.7	Maintain magnetic signature limits.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MIW 6.8	Maintain own unit's degaussing readiness.	F	F	F	F	F
MIW 8	CONDUCT PRECISE NAVIGATION					
MIW 8.5	Safely navigate minefields. IV, V (L) – Plan and train.	F	F	F	L	L
MIW 9	CONDUCT AIRBORNE MINE COUNTERMEASURES (AMCM) AND SUPPORT MIW OPERATIONS.					
MIW 9.1	Conduct day helo AMCM flight operations. Note: When AMCM squadron and Det embarked. I (L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IV, V(L) - Plan and train.	L	F	F/E	L/E	L/E
MIW 9.2	Conduct night helo AMCM flight operations. Note: When AMCM squadron and Det embarked. I (L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IV, V(L) - Plan and train.	L	F	F/E	L/E	L/E
MIW 9.5	Conduct helo flight operations during all EMCON conditions. Note: When AMCM squadron and Det embarked. I (L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IV, V(L) - Plan and train.	L	F	F/E	L/E	L/E
MIW 9.6	Conduct helo hot and cold refueling. Note: When AMCM squadron and Det embarked. I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IV, V(L) - Plan and train.	L	F	F/E	L/E	L/E

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MIW 9.7	Serve as helo haven. Note: When AMCM squadron and Det embarked. IV, V(L) - Plan and train.	F	F	F/E	L/E	L/E
MIW 9.8	Provide electrical power for helo starting, testing, etc.	F	F	F	F	F
MIW 9.9	Provide ground handling equipment for loading and spotting helos. Note: When AMCM squadron and Det embarked. I(L) – 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IV, V(L) - Plan and train.	L	F	F/E	L/E	L/E
MIW 9.13	Launch FW aircraft and/or RW aircraft involved in MIW operations. Note: When AMCM squadron and Det embarked. RW operations only. I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IV, V(L) - Plan and train.	L	F	F/E	L/E	L/E
MIW 9.14	Recover FW aircraft and/or RW aircraft involved in MIW operations. Note: RW operations only. When AMCM squadron and Det embarked. I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IV, V(L) - Plan and train.	L	F	F/E	L/E	L/E
MIW 9.17	Load/unload MIW ordnance compatible with required aircraft turnaround time. Note: Full capability assumes AMCM squadron and Det LFORM class V(A) loaded. When AMCM squadron and Det operating for amphibious operations. Note: Embarked AMCM personnel responsible for complete load and offload of aviation ordnance on or from aircraft and movement of aviation ordnance to and from the staging areas. IV, V(L) - Plan and train.	F/E	F/E	F/E	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MIW 13	<p>REPAIR OWN UNIT'S MIW EQUIPMENT.</p> <p>NOTE: During Condition III, full capability provided by off-watch personnel.</p> <p>I, IA (L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their Conditions I or IA stations.</p>	L	L	F/A	F	F
MIW 15	<p>CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S MIW CAPABILITIES.</p> <p>I, IA (L) - Emergency repairs to equipment critical to ship's mission. All critical spaces manned with at least one technician in each space.</p> <p>V(L) - Plan and train.</p>	L	L	F	F	L
MOB	MOBILITY (MOB)					
MOB 1	OPERATE SHIP'S PROPULSION PLANT TO DESIGNED CAPABILITY.					
MOB 1.1	<p>Operate ship's propulsion plant at full power.</p> <p>Note: Maximum advantage is mandated for automated systems and remote activators to minimize watch stander requirements, particularly fuel oil testing and management. Augmentation may be required for long duration.</p> <p>V(L) - Plan and train.</p>	F	F	F	F/A	L
MOB 1.2	<p>Operate ship's propulsion plant with split-plant operations.</p> <p>Note: Augmentation may be required for long duration.</p>	F	F	F	F/A	F/A
MOB 1.5	<p>Operate at sustained SG, SAG, amphibious readiness group, amphibious force speeds.</p> <p>V(L) - Plan and train.</p>	F	F	F	F/A	L
MOB 1.6	<p>Maintain necessary machinery redundancy to enhance survival in high threat areas.</p> <p>V(L) - Plan and train.</p>	F	F	F	F/A	L
MOB 1.7	<p>Transit at high speed.</p> <p>V(L) - Plan and train.</p>	F		F	F/A	L
MOB 2	SUPPORT/PROVIDE SAFE FLYABLE AIRCRAFT FOR ALL-WEATHER CONDITIONS.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOB 3	PREVENT AND CONTROL DAMAGE.					
MOB 3.1	Control fire, flooding, electrical, structural, propulsion and hull/airframe causalities. IA (L) - Repair organization manned with nucleus crew composed of supervisor, talkers, investigators, etc. Full capability will not exist until Condition I stations fully manned. III, IV (L) - At sea fast reaction team manned by off-watch personnel. V(L) - Capability limited to in port damage control parties augmented by off-watch personnel.	F	L/A	L/A	L/A	L/A
MOB 3.2	Counter and control CBR contaminants or agents. IA(L) - Repair organization manned with nucleus crew composed of supervisor, talkers, investigators, etc. Full capability will not exist until condition I stations fully manned. III, IV(L) - At sea fast reaction team manned by off-watch personnel. V(L) - Capability limited to in port damage control parties augmented by off-watch personnel.	F	L/E	L/E	L/E	L/E
MOB 3.3	Maintain security against unfriendly acts.	F	F	F	F	F
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. V(L) - Plan and train.	F	F	F	F	L
MOB 7	PERFORM SEAMANSHIP, AIRMANSHIP AND NAVIGATION TASKS.					
MOB 7.1	Navigate under all conditions of geographic location, weather and visibility. V(L) - Plan and train.	F	F	F/E	F/E	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOB 7.2	Conduct precision anchoring. I, IA(L) - To achieve full capability, designated personnel must stand down from their other battle stations to man the anchor handling equipment. V(L) - Plan and train.	L/A	L	F/E	F/E	L
MOB 7.3	Get underway, moor, anchor, and sortie with duty section in a safe manner. V(L) - Deployed, duty section fully capable. Not deployed, recall of personnel required.					L
MOB 7.5	Utilize programmed evasive steering. I, IA, III, IV(L) - LPD 17 Voyage Management System provides only capability. V(L) - Plan and train.	L	L	L	L	L
MOB 7.6	Abandon and scuttle ship rapidly. III, IV, V(L) - Plan and train.	F		L	L	L
MOB 7.7	Provide life boat or raft capacity per 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. V(L) - Plan and train.	L/A		F/E	F/E	L
MOB 7.9	Operate day and night and under all weather conditions.	F	F	F	F	F
MOB 7.10	Conduct undetected transits. V(L) - Plan and train.	F	F	F	F	L
MOB 7.15	Operate in a chemically contaminated environment. IV, V(L) - Plan and train.	F	F	F	L	L
MOB 7.16	Recover man overboard (shipboard, boat or helo). Note: Noncombat, daylight helo operations only. Night SAR with the use of night SAR capable helo. I, IA(L) - Selected personnel must stand down from condition I or IA stations to man SAR boat or deck recovery details.	L/E	L/E	F/E	F/E	F/E

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOB 10	REPLENISH AT SEA.					
MOB 10.1	Receive VERTREP. V(L) - Plan and train.			F/E	F/E	L
MOB 10.2	Receive fuel while underway (alongside method). V(L) - Plan and train.			F/E	F/E	L
MOB 10.3	Receive munitions and provisions while underway. Note: Via embarked LCAC/LCU only for condition I(A). V(L) - Plan and train.		F	F/E	F/E	L
MOB 10.4	Receive potable and/or feed water while underway. Note: Potable water only. V(L) Plan and train.			F/E	F/E	L
MOB 10.5	Receive carrier onboard delivery or vertical onboard delivery (VOD) aircraft. Note: VOD aircraft only. I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. V(L) - Plan and train.	L	F	F/E	F/E	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, IA(L) - Battle messing only.	L	L	F	F	F
MOB 12.2	Ensure the operation of the potable water system in a manner consistent with approved sanitary procedures and standards.	F	F	F	F	F
MOB 12.3	Monitor and/or maintain the environment to ensure the protection of personnel from overexposure to hazardous levels of radiation, temperature, noise, vibration and toxic substances per current instruction.	F	F	F	F	F
MOB 12.4	Maintain closed atmosphere within prescribed specifications. Note: Collective protected system zones only.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
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 Navy directives pertaining to the prevention of pollution of the environment. IV, V(L) - Plan and train.	F	F	F	L	L
MOB 12.7	Provide individual protective clothing and equipment to sufficiently protect casualties in case of CBR contamination. IV, V(L) - Plan and train.	F	F	F	L	L
MOB 12.8	Provide individual protective clothing and equipment to sufficiently protect shipboard personnel identified being at risk in a CBR-contaminated environment. IV, V(L) - Plan and train.	F	F	F	L	L
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. IV, V(L) - Plan and train.	F	F	F	L	L
MOB 12.10	Provide CBR collective protective system for medical and support spaces.	F	F	F	F	F
MOB 12.11	Provide antidotes to staff, patients and casualties which will counteract the effects caused by a CBR- contaminated environment. IV, V(L) - Plan and train.	F	F	F	L	L
MOB 12.12	Provide antidotes to ship's company that will counteract the effects caused by a CBR-contaminated environment. IV, V(L) - Plan and train.	F	F	F	L	L
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

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOB 16	CONDUCT TACTICAL DELIVERY AND EXTRACTION OF PERSONNEL AND EQUIPMENT BY UNCONVENTIONAL INSERTION METHODS (E.G., SPIE, FASTROPE, RAPPEL, CRRC). V(L) – Plan and train.		F	F	F	L
MOB 17	PERFORM ORGANIZATIONAL LEVEL REPAIRS TO OWN UNIT'S MOB EQUIPMENT. NOTE: During Condition III, full capability provided by off-watch personnel. I, IA(L) – Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from condition I or IA stations.	L	L	F/A	F	F
MOB 18	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S MOB CAPABILITIES. I, IA (L) - Emergency repairs to equipment critical to ship's mission. All critical spaces manned with at least one technician in each space. V(L) - Plan and train	L	L	F	F	L
MOS	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	F	L	L
MOS 1.2	Conduct force and unit tour for foreign dignitaries.			F/A	F/A	F/A
MOS 1.3	Conduct systems and weapons demonstrations for foreign dignitaries.			F/A	F/A	F/A
MOS 1.4	Conduct foreign port calls.					F
MOS 1.5	Conduct force and 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	F/A	F/A

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOS 1.9	Participate in military exercises with non-allied nations.	F	F	F	F/A	F/A
MOS 1.10	Participate in or provide participants for foreign and allied commemorative or ceremonial events.			F	F	F
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 capabilities or logistics load.			L	L	L
MOS 1.12	Coordinate and conduct passing exercises (PASSEX) to include: projection of force transit availability, procedures development, draft memorandum of agreement, and peacetime standard operating procedure discussions with foreign navies. III, IV(L) - Coordinate for PASSEXs, as directed by higher authority. V(L)- Plan and train.			L	L	L
MOS 2	PROVIDE HUMANITARIAN ASSISTANCE. Note: May be limited to small quantities that do not interfere with the regular combat capabilities or logistics load.					
MOS 2.1	Deliver relief material. III, IV, V(L) - Small quantities that do not interfere with the regular combat capabilities or logistics load.			L	L	L
MOS 2.2	Provide emergency flooding and firefighting assistance.			F/E	F/E	F/E
MOS 2.3	Provide EOD assistance. I, IA, III, IV, V(L) - Support embarked EOD Det.	L/E	L/E	L/E	L/E	L/E
MOS 2.4	Provide disaster assistance and evacuation.			F/E	F/E	F/E
MOS 2.5	Clear and repair utilities and facilities damaged by natural disaster, fire and civil disturbance; decontaminate CBR effects.					F/E

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOS 2.7	<p>Provide a full hospital service asset available for use by appropriate government agencies involved in support of disaster relief operations worldwide.</p> <p>Note: Facility consisting of 6 beds, 18 ward beds, 1 operating room, 1 main battle dressing station convertible to an operating room laboratory, pharmacy, X-ray room and two dental surgical rooms. LPD 17 is not a full hospital service asset.</p> <p>I, IA, III, IV, V(L) - Note: Augmentation of ship's medical department by surgeon and surgical support personnel required to achieve full capability.</p>	L/E	L/E	L/E	L/E	L/E
MOS 2.9	Plan, direct, and coordinate disaster assistance evacuation.			F/A	F/A	F/A
MOS 2.10	Support and provide for the evacuation of noncombatant personnel in areas of civil or international crisis.		F	F/A	F/A	F/A
MOS 2.11	<p>Support and conduct helo and boat evacuation of noncombatant personnel as directed by higher authority from areas of civil or international crisis.</p> <p>Note: Requires external helo and landing craft.</p>		F/A	F/A	F/A	F/A
MOS 2.12	Provide for embarkation, identification and processing of evacuees		F	F/A	F/A	F/A
MOS 2.13	Provide care, feeding and berthing of evacuees.		F	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	<p>Plan and direct the evacuation of noncombat personnel in areas of civil or international crisis in both a permissive and non-permissive environment (including joint and combined operations).</p> <p>I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations</p>	L	F	F/A	F/A	F/A
MOS 2.23	<p>Coordinate and/or conduct freedom of navigation operations.</p> <p>Note: Coordinate as directed.</p> <p>IV, V(L) – Plan and train.</p>	F		F	L	L
MOS 2.24	<p>Plan, direct, and coordinate suppression of piracy on the high seas.</p> <p>Note: Coordinate as directed.</p> <p>IV, V(L) – Plan and train.</p>	F		F	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOS 3	PERFORM PEACEKEEPING.					
MOS 3.1	Provide C2 for a joint or allied peacekeeping force. I, IA, III(L) - Embarked staff Dets share facilities with ship's company. Full capability with embarked forces. IV, V(L) - Plan and train.	L	L	L	L	L
MOS 3.2	Provide logistics support for a joint or allied peacekeeping force. I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations.	L	F	F/A	F/A	F/A
MOS 3.3	Provide direct participation in a joint or allied peacekeeping force within a foreign country or region. Note: Full capability with embarked forces. I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IA, III(L) - Support embarked forces.	L	L	L	F/E	F/E
MOS 4	PERFORM INTERDICTION.					
MOS 4.1	Conduct naval blockade. IV, V(L) - Plan and train.	F		F/A	L	L
MOS 4.2	Conduct quarantine operations. IV, V(L) - Plan and train.	F		F/A	L	L
MOS 4.3	Enforce sanction enforcement operations. IV, V(L) - Plan and train.	F		F/A	L	L
MOS 4.4	Conduct MIO and/or VBSS operations with naval, combined, and joint forces. NOTE: Sustained operations require certified non-compliant boarding team(s) or law enforcement detachment. IV, V (L) – Plan and train.	F/E		F/E	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOS 4.5	Plan/direct naval blockade. Note: When directed. III(L) - When law enforcement detachment (LEDET) and/or special forces VBSS personnel embarked. IV, V(L) - Plan and train.	F		L/A	L	L
MOS 4.6	Plan and direct quarantine operations. Note: When directed. I, III(L) - When LEDET and/or special forces VBSS personnel embarked. IV, V(L) - Plan and train.	L		L/A	L	L
MOS 4.7	Plan and direct sanction enforcement operations. I, III(L) - When LEDET and/or special forces VBSS personnel embarked. IV, V(L) - Plan and train.	L		L/A	L	L
MOS 4.8	Plan and direct maritime interdiction operations and VBSS with naval, joint, and combined forces operations. I, III(L) - When LEDET and/or special forces VBSS personnel embarked. IV, V(L) - Plan and train.	L		L/A	L	L
MOS 4.10	Screen all inward and/or outward-bound maritime shipping. I, III(L) - When LEDET and/or special forces VBSS personnel embarked. IV, V(L) - Plan and train.	L		L/A	L	L
MOS 4.11	Inspect and verify cargo and destinations. Note: When LEDET and/or special forces VBSS personnel embarked. I, III(L) – Activation of inspection team and transport-facilitating personnel requires securing personnel from other battle stations. IV, V(L) - Plan and train.	L		L/E	L	L
MOS 4.12	Establish and maintain a shipping database of all intercepted vessels. IV, V(L) - Plan and train.	F		F	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOS 4.13	<p>Conduct boarding and inspection of noncombatant vessels.</p> <p>Note: When Coast Guard LEDET and/or special forces VBSS personnel embarked.</p> <p>I, III(L) – Activation of inspection team and transport-facilitating personnel requires securing personnel from other battle stations.</p> <p>IV, V(L) - Plan and train.</p>	L		L/E	L	L
MOS 4.14	<p>Conduct seizure of noncombatant vessels.</p> <p>I, III, IV(L) – Activation of prize crew and transport-facilitating personnel requires securing personnel from other battle stations.</p> <p>Note: Requires supplement from embarked law enforcement personnel and equipment.</p> <p>V(L) - Plan and train.</p>	L/E		L/E	L/E	L/E
MOS 4.15	<p>Conduct illegal entry suppression operations.</p> <p>III(L) - When Coast Guard LEDET and/or special forces VBSS personnel embarked.</p> <p>IV, V(L) - Plan and train.</p>	F		L/A	L	L
MOS 5	PROVIDE FOREIGN INTERNAL DEFENSE (FID) ASSISTANCE.					
MOS 5.1	<p>Train host nation forces to conduct operations against the destabilizing forces within their country.</p> <p>III(L) - Support embarked Marine or TSOC forces.</p> <p>IV, V(L) - Plan and train.</p>			L	L	L
MOS 5.2	<p>Conduct intelligence activities that support FID programs.</p> <p>III(L) - Support embarked mini-JIC augmentees and/or USMC intelligence Det.</p> <p>IV, V(L) - Plan and train.</p>			L	L	L
MOS 5.3	<p>Conduct civil-military activities that isolate the insurgent and exploit his or her vulnerabilities.</p> <p>III(L) - Support embarked Marine or TSOC forces.</p> <p>IV, V(L) - Plan and train.</p>			L	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOS 5.4	Conduct tactical operations in close cooperation with the host nation that focus on neutralizing and destroying the insurgent threat in the maritime environment. IV, V(L) - Plan and train.	F	F	F/A	L	L
MOS 6	CONDUCT COUNTER TERRORISM (CT).					
MOS 6.1	Conduct hostage rescue actions. I, IA, III(L) - Support embarked forces. IV, V(L) - Plan and train.	L	L	L	L	L
MOS 6.2	Recover sensitive material from terrorist organizations. I, IA, III(L) - Support embarked forces. IV, V(L) - Plan and train.	L	L	L	L	L
MOS 6.3	Perform reconnaissance and surveillance of CT targets. III(L) - Support embarked forces. IV, V(L) - Plan and train.			L	L	L
MOS 6.4	Conduct direct action against terrorist infrastructure, including command, control and communications points, training facilities, and staging areas. III(L) - Support embarked forces. IV, V(L) - Plan and train.			L	L	L
MOS 6.5	Conduct subversion and/or sabotage actions against terrorist support systems to affect terrorist readiness and morale. III(L) - Support embarked forces. IV, V(L) - Plan and train.			L	L	L
MOS 7	PROVIDE SECURITY ASSISTANCE.					
MOS 7.1	Participate in programs authorized by the Foreign Assistance Act, the Arms Export Control Act or other U.S. statutes. III(L) - Support embarked Marine or TSOC forces. IV, V(L) - Plan and train.			L	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOS 7.2	Provide mobile training team or other training assistance. III(L) - Support embarked Marine or TSOC forces. IV, V(L) - Plan and train.			L	L	L
MOS 8	PROVIDE ANTITERRORISM (AT) ASSISTANCE.					
MOS 8.1	Ensure that the physical security for important persons, facilities, assets, and events meets acceptable standards.			F	F	F
MOS 8.2	Provide training and advice on how to reduce vulnerability to terrorism and other threats, particularly in the maritime environment. (a) General AT awareness training. Area of responsibility/country specific threat information for medium, high and/or critical threat areas.			F	F	F
MOS 8.12	Conduct unit pre-deployment/pre-overseas travel AT awareness training for: (a) Unit. (b) Det. (c) Temporary assigned duty/temporary duty personnel. (d) Permanent change of station (to overseas locations). (e) Leave.			F	F	F
MOS 8.13	Conduct hostage survival and code of conduct training.			F	F	F
MOS 8.14	Conduct vulnerability assessments, using DoD, and CNO vulnerability assessment guidance: (a) Review unit AT/FP posture annually. (b) Conduct self-assessment. (c) Request assessment from higher authority. (d) Conduct assessment of potential threat of terrorist use of weapons of mass destruction. (e) Conduct and assess unit AT exercises consistent with potential or actual threat environments.			F	F	F
MOS 8.15	Assimilate and disseminate AT intelligence on terrorist activities directed at U.S. military installations, ships and personnel. (a) Monitor threat information flow. (b) Request or provide threat condition warnings of possible terrorist activity. (c) Disseminate threat information to unit personnel. (d) Apply DoD terrorist threat analysis methodology.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
MOS 8.16	Integrate AT efforts into unit operations. (a) Assign a unit FP officer and an AT officer. (b) Implement unit AT program. (c) Coordinate AT in overseas location with host country/host command. (d) Implement local FP condition measures. (e) Implement unit terrorist incident response plan.	F	F	F	F	F
MOS 8.17	Anticipate and prepare for self-defense for terrorist activity directed at U.S. Navy ships, installations, facilities and personnel (including dependents). (a) Publish unit FP plan. (b) Publish a unit crisis action plan. (c) Include provisions for barriers, access control, intruder, surveillance, detection and electronic security systems (ESS). (d) Training, exercise the unit's AT response force. (e) Operate duress system. (f) Operate ESS.	F	F	F	F	F
MOS 8.18	Conduct screening of non-assigned personnel and equipment entering unit or facility. (a) Screen personnel (search, detect). (b) Screen equipment, provisions, supplies, etc., (metal detection, explosives).	F	F	F	F	F
MOS 10	CONDUCT SPECIAL ACTIVITIES AS GOVERNED BY EXECUTIVE ORDER 12333 AND FOLLOWING A PRESIDENTIAL FINDING AND CONGRESSIONAL OVERSIGHT. I, IA, III(L) - Support embarked forces. IV, V(L) - Plan and train.	L	L	L	L	L
NCO	NON-COMBAT OPERATIONS (NCO)					
NCO 2	PROVIDE ADMINISTRATIVE AND SUPPLY SUPPORT FOR OWN UNIT.					
NCO 2.1	Provide supply support services. I, IA(L) - Emergency supply support services.	L	L	F	F	F
NCO 2.2	Provide clerical services.			F	F	F
NCO 2.3	Provide disbursing services.			F	F	F
NCO 2.4	Provide post office services.			F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NCO 2.5	Provide messing facilities. I, IA(L) - Battle messing only.	L	L	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
NCO 2.8	Provide personnel for living space maintenance.			F	F	F
NCO 2.9	Provide personnel for area command security.	F	F	F	F	F
NCO 2.11	Provide personnel for fuels support. I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations.	L	F	F	F	F
NCO 3	PROVIDE UPKEEP AND MAINTENANCE OF OWN UNIT.					
NCO 3.1	Provide organizational level preventative maintenance. I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.	L	L	F	F	F
NCO 3.2	Provide organizational level corrective maintenance. I, IA(L) - Emergency repairs to equipment critical to ship's mission.	L	L	F	F	F
NCO 3.3	Provide small arms storage area.	F	F	F	F	F
NCO 3.4	Maintain preservation and cleanliness of topside and internal spaces.			F	F	F
NCO 3.5	Provide for proper storage, handling, use and transfer of hazardous material.	F	F	F	F	F
NCO 4	PROVIDE CLOSED-CIRCUIT TELEVISION SUPPORT FOR OWN UNIT.	F	F	F	F	F
NCO 5	CONDUCT METEROLOGICAL AND OCEANOGRAPHIC, HYDROGRAPHIC AND/OR BATHYMETRIC COLLECTION OPERATIONS OR SURVEYS.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NCO 5.1	Collect and disseminate meteorological information. Note: Routine data, no special equipment or personnel provided. If a Marine aviation Det is embarked, weather analysis and forecast equipment and personnel should be provided. V(L) - Plan and train.	F	F	F	F	L
NCO 5.2	Collect and disseminate hydrographic information. Note: Routine data, no special equipment or personnel provided. V(L) - Plan and train.	F	F	F	F	L
NCO 7	PROVIDE SPECIAL TECHNICAL RESEARCH.					
NCO 7.1	Serve as a platform for special technical research operations.			F	F	F
NCO 7.2	Conduct special technical research operations. Note: Embarkation of technical support personnel required.			F/E	F/E	F/E
NCO 8	SERVE AS A PLATFORM FOR OPERATIONAL TEST AND EVALUATION OF SYSTEMS, EQUIPMENT AND TACTICS.					
NCO 8.1	Provide technical assistance for installed test and evaluation equipment.			F/A	F/A	F/A
NCO 8.2	Perform the test and evaluation functions set forth in the appropriate test plans.			F/A	F/A	F/A
NCO 8.3	Perform the evaluation functions set forth in appropriate tactical memos.			F/A	F/A	F/A
NCO 9	SUPPORT/CONDUCT SPACE VEHICLE RECOVERY OPERATIONS.					
NCO 9.1	Perform associated communications functions. V(L) - Plan and train.			F	F	L
NCO 9.3	Support/perform sea recovery of space vehicles. V(L) - Plan and train.			F	F	L
NCO 10	PROVIDE EMERGENCY/DISASTER ASSISTANCE.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NCO 10.1	<p>Provide emergency flooding/firefighting assistance to another unit.</p> <p>Note: Full capability when rescue and assistance party is called away.</p> <p>I, IA(L) - May require securing personnel from selected condition I or IA stations.</p>	L/E	L/E	F/E	F/E	F/E
NCO 10.3	<p>Provide EOD assistance.</p> <p>Note: Full capability assumes EOD Det embarked in support of aviation ordnance handling requirements. EOD assistance available on a not-to-interfere basis with their primary mission. Assistance available may be further limited by development constrained inventory of technical documents and tools.</p> <p>I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations.</p> <p>I, IA(L) - May require securing personnel from selected condition I or IA stations.</p>	L/E	L/E	F/E	F/E	F/E
NCO 10.4	<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> <p>I, IA(L) - May require securing personnel from selected condition I or IA stations.</p>	L/E	L/E	F/E	F/E	F/E
NCO 10.5	<p>Clear and repair utilities and facilities damaged by natural disaster, fire and civil disturbance; decontaminate CBR effects.</p> <p>Note: Full capability when rescue and assistance party is called away. Augmentation by off watch personnel may be required to sustain effort. Off-ship decontamination of CBR effects is limited.</p>			F/E	F/E	F/E
NCO 11	SUPPORT/PROVIDE FOR THE EVACUATION OF NONCOMBAT PERSONNEL IN AREAS OF CIVIL OR INTERNATIONAL CRISIS.					
NCO 11.1	<p>Support and conduct helo and boat evacuation of noncombatant personnel as directed by higher authority from areas of civil or international crisis.</p> <p>Note: Support of embarked TSOC personnel.</p> <p>IA(L) - Selected personnel must stand down from their condition IA stations to man NEO stations.</p>		L/E	F/E	F/E	F/E

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NCO 11.2	Provide for embarkation, identification and processing of evacuees. IA(L) - Selected personnel must stand down from their condition IA stations to man NEO stations.		L	F/A	F/A	F/A
NCO 11.3	Provide care, feeding and berthing of evacuees. I, IA(L) - Battle messing and emergency care only.	L	L	F	F	F/A
NCO 11.4	Provide transportation for evacuees to designated safe havens or onward processing centers.	F	F	F	F	F
NCO 19	CONDUCT MARITIME LAW ENFORCEMENT OPERATIONS.					
NCO 19.1	Detect and identify noncombatant vessels.	F	F	F	F	F
NCO 19.2	Conduct boarding and inspection of noncombatant vessels. I, III, IV(L) - Requires supplement from embarked law enforcement personnel/equipment. V(L) - Plan and train.	L/E		L/E	L/E	L
NCO 19.3	Provide assistance to other law enforcement forces. I,IA(L) May require standing down selected personnel from other battle stations. V(L) - Plan and train.	L	L	F/A	F/A	L
NCO 19.4	Provide surveillance and protection of maritime resources.	F		F	F	
NCO 19.5	Conduct peacekeeping and disarmament operations. I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations. IA, III(L) - Support embarked forces. IV, V(L) - Plan and train.	L	L	L	L	L
NCO 19.6	Conduct seizure of noncombatant vessels. I, III, IV, V (L) - Requires supplement from embarked law enforcement personnel/equipment. Activation of prize crew and transport-facilitating personnel requires securing personnel from other battle stations.	L/E		L/E	L/E	L/E

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NCO 19.9	Conduct drug traffic suppression and interdiction operations. I, III, IV(L) - Requires supplement from embarked law enforcement personnel and equipment. V(L) - Plan and train.	L/E		L/E	L/E	L
NCO 24	SUPPORT/CONDUCT ROTARY-WING AIRCRAFT OPERATIONS.					
NCO 24.1	Support and conduct day rotary-wing aircraft flight operations. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
NCO 24.2	Support and conduct night rotary-wing aircraft flight operations. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
NCO 24.3	Support and conduct rotary-wing aircraft flight operations during all EMCON conditions. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
NCO 24.4	Support and conduct rotary-wing aircraft hot and cold refueling operations. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
NCO 24.5	Provide electrical power for rotary-wing aircraft starting, testing, etc.	F	F	F	F	F

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NCO 24.6	Provide ground handling equipment for loading and spotting rotary-aircraft. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	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
NCO 25.4	Plan and direct environmental operations. Note: When designated as incident OTC.			F	F	F
NCO 25.7	Assess environmental law matters and liaise with higher authority on policy and procedures affecting forces afloat. Note: When designated as incident OTC and augmented by appropriate legal aid.			F	F	F
NCO 26	SERVE AS A PLATFORM FOR SPONSOR ORGANIZATIONS PERFORMING DOD MISSIONS. V(L) - Plan and train.	F		F	F	L
NCO 32	CONDUCT COUNTER-NARCOTIC AND OTHER LAW ENFORCEMENT SUPPORT OPERATIONS IN CONJUNCTION WITH OTHER FORCES.					
NCO 32.1	Conduct operations with Coast Guard units. V(L) - Plan and train.	F		F	F	L
NCO 32.2	Conduct operations with other Federal law enforcement agencies. V(L) - Plan and train.	F		F	F	L
NCO 32.3	Conduct operations with state and local law enforcement agencies. V(L) - Plan and train.	F		F	F	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NCO 32.4	Conduct operations with other national governments. V(L) - Plan and train.	F		F	F	L
NCO 33	SUPPORT/PROVIDE COUNTER NARCOTICS AND OTHER LAW ENFORCEMENT SUPPORT PATROL OF A FIXED GEOGRAPHIC AREA.					
NCO 33.1	Operate as choke point patrol unit. V(L) - Plan and train.	F		F	F	L
NCO 33.2	Operate as an open ocean patrol unit. V(L) - Plan and train.	F		F	F	L
NCO 34	IN SUPPORT OF COUNTER NARCOTICS AND OTHER LAW ENFORCEMENT OPERATIONS, DETECT AND MONITOR SUSPECT SURFACE CONTACTS.					
NCO 34.1	Detect and monitor surface contacts with radar. V(L) - Plan and train.	F	F	F	F	L
NCO 34.2	Detect and monitor surface contacts visually. V(L) - Plan and train.	F	F	F	F	L
NCO 34.4	Detect and monitor surface contacts with ES methods. V(L) - Plan and train.	F	F	F	F	L
NCO 36	IN SUPPORT OF COUNTER NARCOTICS AND OTHER LAW ENFORCEMENT OPERATIONS, DETECT and MONITOR SUSPECT AIR CONTACTS.					
NCO 36.1	Detect and monitor air contacts with radar. V(L) - Plan and train.	F	F	F	F	L
NCO 36.2	Detect and monitor air contacts visually. V(L) - Plan and train.	F	F	F	F	L
NCO 36.3	Detect and monitor air contacts by ES measures. V(L) - Plan and train.	F	F	F	F	L
NCO 37	EMBARK AND SUPPORT LAW ENFORCEMENT DETACHMENT (LEDET).	F		F/A	F/A	F/A

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NCO 38	RECEIVE, DISPLAY, AND MAINTAIN COUNTER NARCOTIC INTELLIGENCE DATA.	F		F	F	F/A
NCO 47	CONDUCT EMERGENCY DISPERSAL OPERATIONS.					
NCO 47.1	Plan and direct emergency sorties for ships or launch aircraft to areas of less vulnerability. V(L) - Deployed, duty section fully capable. Not deployed, recall of personnel required.					L
NSW	NAVAL SPECIAL WARFARE (NSW)					
NSW 4	CONDUCT COMBATANT CRAFT OPERATIONS.					
NSW 4.2	Deliver, support and recover elements of SEAL and SEAL team delivery vehicle (SDV) teams. V(L) – Plan and train.	F	F	F	F	L
NSW 7	SUPPORT RAIDING PARTIES.					
NSW 7.1	Provide logistic support and facilities for raiding parties.	F	F	F	F	F
NSW 7.2	Provide logistic support, facilities and mobility for special forces (landing force reconnaissance units, or special operations forces).	F	F	F	F	F
NSW 7.3	Provide surface and/or air defense during launch and recovery of NSW forces. V(L) - Plan and train.	F	F	F	F	L
NSW 14	REPAIR OWN UNIT'S NSW EQUIPMENT. NOTE: During Condition III, full capability provided by off-watch personnel. I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.	L	L	F/A	F	F
NSW 24	CONDUCT SUPPORT TO MARITIME INTERCEPTION OPERATIONS.					

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
NSW 24.1	<p>Conduct special warfare helo-borne VBSS operations against vessels or gas and oil platform.</p> <p>Note: Requires supplement from embarked law enforcement personnel/equipment. Activation of prize crew and transport-facilitating personnel requires securing personnel from other battle stations.</p> <p>I(L) - 1 of 4 spots only, this limited flight quarters manning must be augmented from other battle stations.</p> <p>IV, V(L) - Plan and train.</p>	L		F/E	L	L
SUW	SURFACE WARFARE (SUW)					
SUW 1	USING ANTI-SURFACE ARMAMENTS, ENGAGE SURFACE THREATS.					
SUW 1.6	<p>Engage surface ships with minor caliber (cal) gunfire (i.e., 25 millimeter (mm), 20mm, .50 cal).</p> <p>Note: "F/A" in III and IV fully capable only when SCAT is on station.</p> <p>V(L) - Plan and train.</p>	F	F	F/A	F/A	L
SUW 1.9	<p>Engage surface ships with small arms gunfire.</p> <p>IV, V(L) - Plan and train.</p>			F/A	L	L
SUW 1.10	<p>Conduct close-in surface self-defense using crew operated machine guns (i.e., 25mm, 20mm, .50 cal, .30 cal).</p> <p>Note: "F/A" in III and IV fully capable only when SCAT is on station.</p> <p>V(L) - Plan and train.</p>	F	F	F/A	F/A	L
SUW 1.11	<p>Employ self-defense torpedo countermeasures using:</p> <p>(a) NIXIE.</p> <p>Note: Condition IA assumes NIXIE has been retrieved to permit well deck operations. Condition III assumes equipment is streamed and untended unless well deck operations are ongoing.</p> <p>IV, V(L) - Plan and train.</p>	F/A		F/A	L	L
SUW 1.14	<p>Direct embarked or non-organic armed helo to engage surface ships.</p> <p>I, IA, III(L) – Only when qualified tactical air control squadron or air intercept controller personnel embarked, advisory control only.</p>	L/A	L/A	L/A		

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
SUW 2	ENGAGE SURFACE TARGETS IN COOPERATION WITH OTHER FORCES. Note: Self-defense only.					
SUW 2.1	Conduct SUW as a member of a multi-ship SG, SAG, URG, or amphibious force (e.g., carrier strike group, ESG, surface strike group, amphibious task unit, amphibious task group, amphibious task force). IA(L) – Man all 30mm mounts and required .50 cal mounts. IV, V(L) - Plan and train.	F	L	F	L	L
SUW 2.3	Engage surface targets within assigned surface sector. Note: “F/A” in III and IV fully capable only when SCAT is on station. V(L) - Plan and train.	F	F	F/A	F/A	L
SUW 4	DETECT, IDENTIFY, LOCALIZE AND TRACK SURFACE SHIP TARGETS.					
SUW 4.1	Detect, localize and track surface contacts with radar. V(L) - Plan and train.	F	F	F	F	L
SUW 4.4	Detect, identify, classify and track surface contacts visually. V(L) - Plan and train.	F	F	F	F	L
SUW 4.5	Detect, identify, classify and track surface contacts with infrared equipment. V(L) - Plan and train.	F	F	F	F	L
SUW 4.6	Detect, identify, classify and track surface contacts by ESM. Note: Location and targeting requires cross fixing. IV(L) - Supervisor and system operator positions only for search and identification of non-communication signals. V(L) - Plan and train.	F	F	F	L	L
SUW 4.7	Identify surface contacts. V(L) - Plan and train.	F	F	F	F	L
SUW 4.13	Detect, identify, and track surface targets with night vision goggles. V(L) Plan and train.	F	F	F	F	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
SUW 6	DISENGAGE, EVADE and AVOID SURFACE ATTACK.					
SUW 6.1	Employ countermeasures. (a) Lighting configuration. (b) Hull markings. V(L) - Plan and train.	F	F	F	F	L
SUW 6.2	Employ evasion techniques. V(L) - Plan and train.	F	F	F	F	L
SUW 6.3	Employ EMCON procedures. V(L) - Plan and train.	F	F	F	F	L
SUW 8	PROVIDE AIR OPERATIONS TO SUPPORT SURFACE ATTACKS.					
SUW 8.1	Launch FW aircraft and/or rotary-wing aircraft. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
SUW 8.2	Recover FW aircraft and/or rotary-wing aircraft. I(L) – Flight quarters manning must be augmented from other battle stations. III(L) – Normal operation is two of four spots. Additional augmentation will be required to operate the additional two spots for an extended period of time. IV, V(L) - Plan and train.	L	F/E	L/E	L	L
SUW 8.5	Provide conventional ordnance within required aircraft turnaround times. Note: Full capability assumes AV-8/AH-1 LFORM class V(A) loaded when AV-8/AH-1 operating for amphibious operations. Note: Ship’s Force in coordination with embarked USMC/TSOC personnel responsible for load/unload of aviation ordnance on/from aircraft and movement of aviation ordnance to/from the staging areas. IV, V(L) - Plan and train.	L	F/E	F/E	L	L

	LPD 17 CLASS	READINESS STATE				
		I	IA	III	IV	V
SUW 8.6	Conduct air operations during all EMCON conditions. IV, V(L) - Plan and train.	F	F	F	L	L
SUW 8.9	Load/unload ordnance within required aircraft turnaround times. Note: Full capability assumes AV-8/AH-1 LFORM class V(A) loaded when AV-8/AH-1 operating for amphibious operations. Note: Ship's Force in coordination with embarked USMC/TSOC personnel responsible for load/unload of aviation ordnance on/from aircraft and movement of aviation ordnance to/from the staging areas. IV, V(L) - Plan and train.	L	F/E	F/E	L	L
SUW 12	SUPPORT AND CONDUCT ESCORTING AND INDEPENDENT SUW OPERATIONS.					
SUW 12.3	Conduct independent SUW operations. IV, V(L) - Plan and train.	F	F	F	L	L
SUW 14	REPAIR OWN UNIT'S SUW EQUIPMENT. NOTE: During Condition III, full capability provided by off-watch personnel. I, IA(L) - Emergency repairs to equipment critical to ship's mission. May require standing down selected personnel from their condition I or IA stations.	L	L	F/A	F	F
SUW 17	CONDUCT CASUALTY CONTROL PROCEDURES TO MAINTAIN/RESTORE OWN UNIT'S SUW CAPABILITIES. I, IA (L) - Emergency repairs to equipment critical to ship's mission. All critical spaces manned with at least one technician in each space. V(L) - Plan and train	L	L	F	F	L