



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

IN REPLY REFER TO

OPNAVINST 3501.153A
OP-375E
05 JAN 1988

OPNAV INSTRUCTION 3501.153A

From: Chief of Naval Operations

Subj: PROJECTED OPERATIONAL ENVIRONMENT (POE) AND REQUIRED OPERATIONAL CAPABILITIES (ROC) FOR THE TAFS 8 CLASS COMBAT STORES SHIP WITH MSC MANNING

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

Encl: (1) Projected Operational Environment (POE) for the TAFS 8 Class Combat Stores Ship with MSC Manning
(2) Required Operational Capabilities (ROC) for the TAFS 8 Class Combat Stores Ship with MSC Manning

1. Purpose. To issue a revised Projected Operational Environment (POE) and Required Operational Capabilities (ROC) for the TAFS 8 Class Combat Stores Ship with MSC manning.
2. Cancellation. OPNAVINST 3501.153.
3. Discussion. Enclosures (1) and (2) have been prepared per reference (a). The Required Operational Capabilities (ROC) and Projected Operational Environment (POE) provide the necessary details to describe the mission areas and operational capabilities for which the TAFS 8 Class Combat Stores Ship was designed and is organized. Together, the ROC and POE establish requirements requisite for developing civilian manpower requirements and the ship manpower document for the military detachment.
4. Information. The Chief of Naval Operations has approved the TAFS 8 class ROC and POE, and initial distribution has been made to commands concerned.
5. Action. Fleet Commanders in Chief are requested to periodically review enclosures (1) and (2) and recommend to the Chief of Naval Operations (Attn: OP-375) changes as may be appropriate when capability of the classes is significantly altered by introduction or deletion of systems.

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(Surface Warfare)

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PROJECTED OPERATIONAL ENVIRONMENT
FOR TAFS 8 CLASS COMBAT STORES SHIP

1. At sea in wartime.
2. Conduct underway replenishment in support of operating forces by simultaneously providing refrigerated stores, dry provisions, technical (including aviation) spares, general stores, fleet freight, mail, personnel and other items from five stations (two starboard and three port) for periods normally not to exceed thirty-two hours per week. UNREP hours are considered to commence with "first line over" and terminate with "last line clear". All other workload such as rigging, pre-staging of cargo, safety briefings, etc., will be counted under Utility Tasks and Evolutions (UT&E).
3. Conduct vertical replenishment in support of operating forces by providing refrigerated stores, dry provisions, technical (including aviation) spares, general stores, fleet freight, personnel, mail and other items with helicopters from other units or temporarily assigned for periods normally not to exceed 32 hours per week. This includes the time from the setting of flight quarters to securing from flight quarters.
4. Capable of performing all maintenance for which ship's company is responsible.
5. Capable of performing other functions which are not required to be accomplished simultaneously. UNREP/VERTREP functions may require simultaneous accomplishment.
6. Capable of supporting an embarked underway replenishment group staff subject to constraints imposed by existing installed shipboard communications equipment.
7. Primary and secondary mission areas are:

<u>AAW</u>	<u>ASU</u>	<u>CCC</u>	<u>FSO</u>	<u>INT</u>	<u>LOG</u>	<u>MIW</u>	<u>MOB</u>	<u>NCO</u>
S	S	P	S	S	P	S	P	S

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REQUIRED OPERATIONAL CAPABILITIES
FOR THE TAFS 8 CLASS COMBAT STORES SHIP
WITH MSC MANNING

	<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
a. <u>ANTI-AIR WARFARE (AAW)</u>					
AAW 6 - Detect, identify and track air targets.					
AAW 6.2	Recognize by sight friendly and enemy aircraft which may be encountered in expected operating areas.	F	F	F	
b. <u>ANTI-SURFACE SHIP WARFARE (ASU)</u>					
ASU 4 - Detect, identify, localize and track surface ship targets.					
ASU 4.1	Detect, localize and track surface contacts with radar.	F	F	F	
ASU 4.4	Detect and track surface contacts visually.	F	F	F	
ASU 4.7	Identify surface contacts.	F	F	F	
ASU 6 - Disengage, evade and avoid surface attack.					
ASU 6.2	Employ evasion techniques.	F		F	
c. <u>COMMAND AND CONTROL AND COMMUNICATIONS (CCC)</u>					
CCC 2 - Coordinate and control the operations of the task organization or functional force to carry out assigned missions.					

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	<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
CCC 2.6 Function as force or sector OTC/CWC (or alternate) to coordinate and control Battle Group/Task Force operations.		F			
CCC 2.8 Function as on-scene commander for a SAR operation.	F		F		
CCC 3 - Provide own unit's command and control functions.					
CCC 3.3 Carry out emergency destruction of classified matter and equipment rapidly and efficiently. R(P), IV(P), IP(P) Augmented by off-watch personnel.	F	P	P	P	A
CCC 3.4 Employ IFF/SIF including secure IFF Mode 4.	F	F	F		
CCC 4 - Maintain NTDS or data link capability.					
CCC 4.7 Receive Link 14 information.	F	F	F		
CCC 6 - Provide communications for own unit.					
CCC 6.1 Provide tactical voice communications. IP(P) Comms on Harbor Common or other voice circuits as directed.	F	F	F	P	
CCC 6.2 Maintain visual communications. IV(P), IP(P) Augmented by off-watch personnel. Work one contact and maintain watch simultaneously.	F	F	P	P	A

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		<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
CCC 6.3	Maintain multichannel cryptographically covered teletype receive circuits. IP(P) Augmented by off-watch personnel.	F	F	F	P	A
CCC 6.4	Maintain uncovered RATT/CW communications. IP(P) Augmented by off-watch personnel.	F	F	F	P	A
CCC 6.5	Maintain full duplex cryptographically covered HF teletype circuits. IP(P) Augmented by off-watch personnel.	F	F	F	P	A
CCC 6.6	Process message traffic. IP(P) Augmented by off-watch personnel.	F	F	F	P	A
CCC 6.9	Maintain multichannel cryptographically covered teletype send and receive circuits. R(P), IV(P), IP(P) Augmented by off-watch personnel.	F	P	P	P	A
CCC 6.10	Maintain voice/teletype/computer data cryptographically covered satellite communication circuits. IP(P) Augmented by off-watch personnel.	F	F	F	P	A
CCC 6.12	Maintain internal communications systems.	F	F	F	F	

	<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
CCC 6.18 Provide tactical, secure voice communications.	F	F	F	F	
CCC 7 - Implement Operations Security (OPSEC) measures and conduct military deception actions.					
CCC 7.2 Execute OPSEC measures.	F	F	F	F	
CCC 7.4 Execute Navy operational deception actions using tactics, operations, exercises or physical means.	F				
CCC 9 - Relay naval communications.					
CCC 9.1 Relay visual communications.	F	F	P	P	A
IV(P) Augmented by off-watch personnel. Work one contact and maintain watch simultaneously.					
IP(P) Capability reduced due personnel ashore.					
CCC 9.3 Relay electronic communications.	F	F	F	P	A
IP(P) Capability reduced due personnel ashore.					
NOTE: CCC2 through CCC9 pertain to the MILDET.					
d. <u>FLEET SUPPORT OPERATIONS (FSO)</u>					
FSO 3 - Provide support services to other units.					
FSO 3.5 Support helicopters (when assigned).	P	P	P	P	

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	<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
I(P), R(P), IV(P), IP(P) Limited capability.					
FSO 3.13 Provide motion picture exchange services.		F		F	
FSO 5 - Conduct towing/search/salvage/ rescue operations.					
FSO 5.3 Conduct rescue operations. I(P), IV(P) Augmented by special personnel.	P		P		E
FSO 6 - Support/conduct Search And Rescue (SAR) operations in a combat/noncombat environ- ment.					
FSO 6.4 Recover man overboard. R(P), IV(P), IP(P) Aug- mented by special detail.	F	P	P	P	E
FSO 6.6 Conduct search and rescue operations (including operations involving sub- marine disasters/rescues). I(P), IV(P) Limited capability.	P		P		
FSO 6.7 Conduct general surveil- lance. R(P) Restricted by along- side evolution.	F	P	F		
FSO 6.9 Report situation assessment.	F	F	F		
FSO 6.10 Coordinate SAR operations.	F		F		
FSO 9 - Provide routine health care.					
FSO 9.1 Conduct daily sick call.			F	F	
FSO 9.4 Conduct ward care.	F	F	F	F	

	<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
FSO 9.5 Conduct sanitation and safety inspections and provide preventive medicine instruction.			F	F	
FSO 9.6 Conduct appropriate industrial hygiene/environment health monitoring and occupational safety and health training.			F	F	
FSO 9.9 Conduct associated administrative services.			F	F	
FSO 9.10 Conduct on site emergency medical treatment during hazardous evolutions including flight quarters, underway replenishment/refueling, and amphibious assault boat operations.	F	F	F	F	
FSO 10 - Provide first aid assistance.					
FSO 10.1 Identify, equip and maintain appropriate first aid spaces.	F	F	F	F	
FSO 10.2 Train assigned personnel in first aid, self and buddy aid procedures.			F	F	
FSO 20 - Provide fleet training services.					
FSO 20.1 Act as target for submarines.	F	F	F		
FSO 20.6 Act as delivery or receiving ship for underway replenishment training.		F	P		E

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I	R	IV	IP	OFF/W
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IV(P) Augmented by
special detail.

FSO 20.11 Provide cargo handling
training to assigned
personnel and designated
augmentees.

		F		F
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e. INTELLIGENCE (INT)

INT 1 - Support/conduct intelli-
gence collection.

INT 1.5 Support/conduct radar
intelligence information
collection.

F	P	P	P	E
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R(P), IV(P), IP(P) Requires
augmentation by off-
watch personnel.

INT 1.11 Maintain radar scope
photography capability.

F	P	P	P	E
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R(P), IV(P), IP(P) Requires
augmentation by off-
watch personnel.

INT 2 - Provide intelligence.

INT 2.1 Maintain intelligence
summary plots on air,
surface, and subsurface
activities.

F	P	P	P	E
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R(P), IV(P), IP(P) May
require augmentation
from off-watch personnel.

INT 2.2 Evaluate and dissemi-
nate intelligence
information.

F	F	F	F	
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INT 3 - Conduct surveillance and
reconnaissance.

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	<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
INT 3.2 Conduct overt surveillance and reconnaissance operations.	F		F		
INT 4 - Provide the capability to conduct ocean surveillance operations against targets of interest.					
INT 4.1 Provide the capability to detect and locate targets of interest.	F		F		
INT 4.2 Provide the capability to classify and identify targets of interest.	F		F		
INT 4.3 Provide the capability to track targets of interest.	F		F		

f. LOGISTICS (LOG)

LOG 1 - Conduct underway replenishment.

LOG 1.3 Transfer cargo underway. F

LOG 1.4 Transfer cargo underway by STREAM. F

LOG 1.7 Transfer DFM underway. P

R(P) Augmented by special detail E

LOG 1.8 Transfer DFM underway by STREAM. P

NOTE: Only for ships with stream equipment. E

R(P) Augmented by special detail

LOG 1.11 Provide vertical replenishment underway. F

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	<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
LOG 1.12 Replenish other units underway with limited fuel, provisions, munitions, potable and feed water.		F			
LOG 2 - Transfer/receive cargo and personnel.					
LOG 2.2 Provide facilities and personnel for material, mail, and passenger handling.		F	F	F	
LOG 2.3 Act as a transient personnel receiving station.		F		F	
LOG 2.4 Transfer and receive personnel by helo. R(P), IV(P), IP(P) Augmented by special detail/off-watch personnel.		F	P	P	E/A
LOG 2.5 Transfer personnel and light freight by highline.		F			
LOG 3 - Provide sealift for cargo and personnel.					
LOG 3.1 Provide stowage and berthing spaces for equipment and personnel during transit.	F	F	F	F	
LOG 3.2 Provide small boat services for transfer of personnel, cargo, weapons, provisions and supplies.					F
LOG 4 - Support ships and aircraft in supplies, ordnance and other services.					
LOG 4.1 Provide fuel and lubricating oil to another unit.		F		P	E

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I R IV IP OFF/W

IV(P) Augmented by special detail.

LOG 4.4 Provide another unit with:

- (2) Electrical power F
- (5) Fresh water F

g. MINE WARFARE (MIW)

MIW 6 - Conduct magnetic silencing (degaussing, deperming, etc.)

- MIW 6.7 Maintain magnetic signature limits. F F F F[

h. MOBILITY (MOB)

MOB 1 - Steam to designed capability and in the most fuel efficient manner.

- MOB 1.1 Steam at full power. F F F

MOB 3 - Prevent and control damage.

- MOB 3.1 Control fire, flooding, electrical, structural, propulsion and hull casualties. F P P P

R(P), IV(P) Watch station personnel and sounding/security watch provide damage control surveillance.

IP(P) DC team in duty section.

- MOB 3.2 Counter and control NBC contaminants/agents. F P P P

R(P), IV(P), Reduced capability only until Condition I is set.

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		<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
	IP(P) Reduced capability due personnel ashore.					
MOB 3.3	Maintain security against unfriendly acts.				F	A
	NOTE: Limited number of small arms aboard.					
MOB 3.5	Provide damage control security/surveillance.	F	F	F	F	
MOB 3.8	Provide emergency breathing devices per ship's allowance.	F	F	F	F	
MOB 5 -	Maneuver in formation.	F	F	F		E
MOB 7 -	Perform seamanship, airmanship and navigation tasks.					
MOB 7.1	Navigate under all conditions of geographic location, weather, and visibility.	F	P	P		E
	R(P), IV(P) Augmented by special detail.					
MOB 7.2	Conduct precision anchoring.	P		P		E
	I(P), IV(P) Augmented by special detail.					
MOB 7.3	Get underway, moor, anchor, and sortie with duty section in a safe manner.				P	A
	I(P) Will require recall of personnel.					
MOB 7.6	Abandon/scuttle ship rapidly.	F	P	P		E
	R(P), IV(P), Augmented by special detail.					

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	<u>I</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
MOB 7.7 Provide lifeboat/raft capacity per unit's allowance.	F	F	F	F	
MOB 7.8 Tow or be towed (Towing engine not required). I(P), IV(P) Augmented by special detail.	P		P		E
MOB 7.9 Operate day and night and under all weather conditions.	F	F	F		
MOB 7.10 Conduct undetected transits.	F	F	F		
MOB 10 - Replenish at sea.					
MOB 10.1 Receive vertical replenishment. IV(P), IP(P) Augment by special detail.		F	P	P	E
MOB 10.2 Receive fuel while underway (alongside method).			F		
MOB 10.3 Receive munitions and provisions while underway.			F		
MOB 10.4 Receive potable and/or feed water while underway. R(P) Potable water only.			P		
MOB 10.5 Receive COD/VOD aircraft. IV(P), IP(P) Augmented by special detail.	F	F	P	P	
MOB 10.6 Receive fuel while underway (astern method).			F		

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I	R	IV	IP	OFF/W
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MOB 12 - Maintain the health and well-being of the crew.

MOB 12.1	Ensure all phases of food service operations are conducted consistent with approved sanitary procedures and standards.	P	F	F	F
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I(P) Battle messing. May require securing personnel from Condition I Stations.

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
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MOB 12.3	Monitor to ensure the protection of personnel from overexposure to hazardous levels of radiation, temperature, noise, vibration, and toxic substances in accordance with current instructions.	F	F	F	F
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i. NONCOMBAT OPERATIONS (NCO)

NCO 2 - Provide administrative and supply support for own unit.

NCO 2.1	Provide supply support services.	P	F	F	F
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I(P) Emergency breakout only.

NCO 2.2	Provide clerical services.			F	P
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IP(P) Limited by personnel ashore.

NCO 2.3	Provide disbursing services.			P	P
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I R IV IP OFF/W

I(P), R(P), IV(P), IP(P)
Limited to synoptic reports.

NCO 5.2 Collect and disseminate hydrographic information.

P P P P

I(P), R(P), IV(P), IP(P)
Limited to synoptic reports.

NCO 10 - Provide emergency/disaster assistance.

NCO 10.1 Provide emergency flooding/fire fighting assistance to another unit.

P P P P E

I(P) May require securing personnel from Condition I stations.

R(P), IV(P) Augmented by special detail.

IP(P) Capability reduced due personnel ashore.

NCO 10.4 Provide disaster assistance and evacuation.

P P E

IV(P), IP(P) Augmented by special detail.