

## **Assessment of Training By Demonstration of Competency Mate—OSV (Domestic)**

Attached are proposed criteria for evaluating the competency of license candidates through the conduct of proficiency demonstrations. Candidates who complete these proficiency demonstrations and meet qualification requirements listed below will receive a license as Mate—OSV on vessels of less than 500 GRT (3,000 ITC) restricted to waters up to 200 miles off the U.S. coastline traveling on voyages between U.S. ports, including offshore installations on the OCS.

The appropriate knowledge, understanding, and proficiencies will be evaluated through a combination of a Coast Guard examination and on board demonstrations. Those proficiencies which are to be demonstrated on board ship are:

Use GPS.  
Use GPS man overboard/emergency save feature.  
Use LORAN (if available).  
Use echo sounders.  
Determine magnetic compass error.

Changing over steering system.  
Shift to emergency steering.  
Radiotelephone communications.  
Fix position by radar.  
Communicate by radiotelephone.  
Shiphandling.

Stow and secure cargoes.  
Transfer of dry and liquid bulk cargoes.  
Conduct and organize shipboard drills.  
Respond to emergencies.

It is understood that these criteria do not represent the final assessment tools to be used when demonstrating proficiency. A performance standard that requires radiotelephone procedures to be “conducted in accordance with regulations and accepted procedures,” for example, implies the development of a limited but functional assessment guide describing those regulations and procedures which can be used by a designated examiner in the conduct of the demonstration.

In addition to demonstrating proficiency in the items listed, candidates for a license as Mate—OSV on vessels of less than 500 GRT (3,000 ITC) restricted to waters up to 200 miles off the U.S. coastline traveling on voyages between U.S. ports, including offshore installations on the OCS will:

1. Complete Basic Safety Training and demonstrate continued competence within five years as per 46 CFR 10.205(l).
2. Complete an approved Basic and Advanced Fire Fighting course as per 46 CFR 10.205(g). (If Basic Training in fire fighting has already been completed, only Advanced Training will be required.)
3. Complete an approved First Aid and CPR course as per 46 CFR 10.205(g).
4. Complete an approved Radar Observer course.
5. Satisfy the requirements for Bridge Teamwork Procedures as per 46 CFR 10.205(o).
6. Complete an approved GMDSS and/or ARPA course, if applicable
7. Meet the qualification requirements of 46 CFR Part 10 for minimum age, citizenship, physical exam, character check, drug screen, sea service requirements and Coast Guard examination.

**RECORD : ASSESSMENT OF TRAINING BY DEMONSTRATION OF COMPETENCY – MATE —OSV (DOMESTIC WATERS)**  
**ALL ASSESSMENTS DONE ON BOARD VESSEL BY PERSONS HOLDING A LICENSE EQUAL OR SUPERIOR TO POSITION BEING ASSESSED**

**Function: Navigation**

Competence: 1.0 Plan and conduct a passage and determine position

	Knowledge, understanding, and proficiency	Performance Objective	Performance Measure	Performance Standard	Assessed by:	
1.1	Electronic systems of position fixing and navigation	1.1.1	Use GPS.	Determine ship's position by GPS and evaluate its accuracy.	Determine PDOP, mode, recency of data and other indicators of position accuracy.	Name: Date:
		1.1.2	Use GPS man overboard/emergency save feature	Use the GPS man overboard/emergency save feature.	Use the save feature within one minute.	Name: Date:
		1.1.3	Use LORAN (if available).	Determine ship's position and evaluate the accuracy of the LORAN position.	LORAN set is properly initialized and reads vessel position within manufacturer's tolerance.	Name: Date:
1.2	Echo sounders	Use of echo sounders.	Operate echo sounder.	Initialize unit, do performance check, select proper scale, adjust sensitivity for optimum display.	Name: Date:	
1.3	Magnetic compass	Determine and correct for errors in magnetic compass.	Use deviation table, charts, GPS, and other references to determine compass errors.	Compass errors are determined within +/- 3° of assessor's solution.	Name: Date:	
1.4	Steering control systems	Changing over and adjusting controls.	Initialize unit, conduct checks, and switch modes.	All tasks are performed in accordance with manufacturer and company procedures and selection of mode is suitable for prevailing weather, sea, and traffic conditions.	Name: Date:	
1.5	Emergency steering	Shift to emergency steering.	Engage emergency steering.	Emergency steering is effected in accordance with company and vessel operating procedures.	Name: Date:	

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Competence: 1.0 Plan and conduct a passage and determine position (*continued*)

	Knowledge, understanding, and proficiency	Performance Objective	Performance Measure	Performance Standard	Assessed by:
1.6	Radiotelephone communications	Transmit and receive messages by radiotelephone.	Use radiotelephone to transmit and receive messages.	Communications are conducted in accordance with regulations and accepted procedures.	Name:  Date:
1.7	Radar navigation	Use radar to fix position.	Plot range and bearing of prominent coastal feature and compare vessel's position with another source of information.	Fix is within +/- 0.2 miles of assessor's solution.	Name:  Date:

Competence: 2.0 Maneuver the ship

	Knowledge, understanding, and proficiency	Performance Objective	Performance Measure	Performance Standard	Assessed by:
2.1	Ship handling	Maneuver safely in the following situations:	Conduct the following evolutions:	Vessel is handled in an efficient, prudent, and seamanlike manner, staying within safe operating limits and maintaining the safety of navigation with respect to other vessel traffic.	

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		2.1.1	Undocking	Undock the vessel. (3 times)		<b>Make entries on page 5.</b>
		2.1.2	Docking	Dock the vessel. (3 times)		<b>Make entries on page 5.</b>
		2.1.3	Anchoring	Anchor the vessel. (3 times)		<b>Make entries on page 5.</b>
		2.1.4	Weighing anchor	Weigh anchor. (3 times)		<b>Make entries on page 6.</b>
		2.1.5	Mooring to a mooring buoy	Moor to a mooring buoy. (3 times)		<b>Make entries on page 6.</b>
		2.1.6	Open waters maneuvering	Maneuver the vessel in open waters.		<b>Make entries on page 7.</b>

**Function: Cargo handling and stowage**

Competence: 3.0 Monitor the loading, stowage, securing and unloading of cargoes and care during the voyage

	Knowledge, understanding, and proficiency	Performance Objective	Performance Measure	Performance Standard	Assessed by:
3.1	Handling, stowage, and securing of deck cargoes.	Stow and secure deck cargoes, including cargo-handling gear and lashing equipment.	Stow and secure deck cargoes.	Deck cargo is stowed and secured in a manner that is stable, safe, and efficient.	Name:  Date:
3.2	Transfer of dry and liquid bulk cargoes.	3.2.1 Understand and assist in the transfer of drillwater.	Participate in the transfer of drillwater.	Cargoes are transferred safely, efficiently, and without contamination or pollution. Two loadings and two discharges required.	<b>Make entries on page 8.</b>
		3.2.2 Understand and assist in the transfer of dry bulk cargoes.	Participate in the transfer of dry bulk cargoes.	Cargoes are transferred safely, efficiently, and without contamination or pollution. Two loadings and two discharges required.	<b>Make entries on page 8.</b>

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		3.2.3	Understand and assist in the transfer of liquid bulk cargoes.	Participate in the transfer of liquid bulk cargoes.	Cargoes are transferred safely, efficiently, and without contamination or pollution. Two loadings and two discharges required.	<b>Make entries on page 9.</b>
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**Function: Controlling the operation of the ship and care for persons on board**

Competence: 4.0 Operate emergency equipment and life saving appliances

	Knowledge, understanding, and proficiency	Performance Objective	Performance Measure	Performance Standard	Assessed by:	
<b>4.1</b>	Shipboard drills	4.1.1	Organize and conduct abandon ship drills.	Conduct drills in abandon ship.	Drills are held regularly, with advance preparation, evaluation, and remediation as necessary.	Name:  Date:
		4.1.2	Respond to abandon ship alarm.	Response to abandon ship alarm.	Reports to duty station promptly and responds appropriately to the situation.	Name:  Date:
		4.1.3	Organize and conduct firefighting drills.	Conduct drills in firefighting.	Drills are held regularly, with advance preparation, evaluation, and remediation as necessary.	Name:  Date:
		4.1.4	Respond to fire alarm.	Response to fire alarm.	Reports to duty station promptly and responds appropriately to the situation.	Name:  Date:
		4.1.5	Organize and conduct man overboard drills.	Conduct man overboard drills.	Drills are held regularly, with advance preparation, evaluation, and remediation as necessary.	Name:  Date:
		4.1.6	Respond to man overboard alarm.	Response to man overboard alarm.	Reports to duty station promptly and responds appropriately to the situation.	Name:  Date:
<b>4.2</b>	Rescue craft	Operate rescue craft.	Launch, operate, and recover rescue craft.	Operations are conducted safely and in a seamanlike manner, with the victim recovered within 15 minutes.	Name:  Date:	

Competence: 2.0 Maneuver the ship

**2.1.1 Undocking**

Assessed by	Date	Vessel	Location
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- 1. \_\_\_\_\_  
\_\_\_\_\_
- 2. \_\_\_\_\_  
\_\_\_\_\_
- 3. \_\_\_\_\_  
\_\_\_\_\_

**2.1.2 Docking**

	Assessed by	Date	Vessel	Location
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			
3.	_____	_____	_____	
	_____			

**2.1.3 Anchoring**

	Assessed by	Date	Vessel	Location
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			
3.	_____	_____	_____	
	_____			

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**2.1.4 Weighing anchor**

	Assessed by	Date	Vessel	Location
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			
3.	_____	_____	_____	
	_____			

**2.1.5 Mooring to a mooring buoy**

	Assessed by	Date	Vessel	Location
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			
3.	_____	_____	_____	
	_____			

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**2.1.6 Maneuvering in open waters**

	Assessed by	Date	Vessel	Location
<u>Course maintained for 30 minutes</u>				
1.	_____	_____	_____	
	_____			
<u>Course change made</u>				
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			
3.	_____	_____	_____	
	_____			
4.	_____	_____	_____	
	_____			
5.	_____	_____	_____	
	_____			

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**3.2.1 Assist in the transfer of drillwater**

	Assessed by	Date	Vessel	Location
	<u>Loading</u>			
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			
	<u>Discharging</u>			
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			

**3.2.2 Assist in the transfer of dry bulk cargoes**

	Assessed by	Date	Vessel	Location
	<u>Loading</u>			
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			
	<u>Discharging</u>			
1.	_____	_____	_____	
	_____			

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2. \_\_\_\_\_  
\_\_\_\_\_

**3.2.3 Assist in the transfer of liquid bulk cargoes**

	Assessed by	Date	Vessel	Location
<u>Loading</u>				
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____

<u>Discharging</u>				
1.	_____	_____	_____	
	_____			
2.	_____	_____	_____	
	_____			