

<p style="text-align: center;">TABLE A-II/2 ASSESSMENT CRITERIA MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)</p>

Attached are proposed assessment criteria for evaluating the competency of candidates for a license as Master–OSV on vessels of less than 500 GRT (3,000 ITC) on near coastal waters within 200 miles off any coast around the world. Although the criteria are based on the STCW competency Table A-II/2 for Chief Mate and Master of vessels of more than 500 gross tons, they have been modified as permitted by 46 CFR 10.497 to make them appropriate for implementation on OSV’s.

It should be noted that because the Mate of an OSV performs many of the activities of the Chief Mate and Master, many of the competencies of Table A-II/2 were addressed in the Mate program and consequently are not repeated here.

It should also be noted that the assessment criteria for oceans navigation are not included in this table. If a candidate for Master applies for the oceans endorsement, the criteria in the Table for Master/Mate (OSV) — Oceans Addendum will be used for assessment of that competency.

TABLE A-II/2 ASSESSMENT CRITERIA
MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)

Function: Navigation

Competence: Plan a voyage and conduct navigation

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Voyage planning and navigation	Plan voyages and navigate for all conditions.	Exam	Complete a comprehensive exercise that includes planning a voyage, using the required navigation charts and publications and accounting for: <ul style="list-style-type: none"> - Route - Local conditions - Local regulations - Water depths - Weather - Tides and currents - Aids to navigation - Hazards to navigation - Restricted waters - Restricted visibility - Traffic separation schemes 	70% minimum score on written exam

Competence: Determine and allow for compass errors

Operation and maintenance of magnetic and gyro compasses	Use and maintain magnetic and gyro compasses.	Exam	Describe the principles, components, operation, and care of magnetic and gyro compasses.	70% minimum score on written exam
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Function: Navigation

Competence: Co-ordinate search and rescue operations

**TABLE A-II/2 ASSESSMENT CRITERIA
MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)**

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Respond to a distress signal at sea.	Thorough knowledge of MERSAR.	Exam	Use MERSAR for conducting a simulated situation involving rendering assistance, on-scene coordination, and on-board emergencies.	70% minimum score on written exam

Competence: Establish watchkeeping arrangements and procedures

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Thorough knowledge of the Inland and International Rules of the Road.	Know the inland and international rules of the road regarding applicable waters, definitions, safe speed, good seamanship, look-outs, traffic separation schemes, and narrow channels.	Exam	Describe and apply the rules of the road regarding applicable waters, definitions, safe speed, good seamanship, look-outs, traffic separation schemes, and narrow channels.	90% minimum score on written exam
	Know the inland and international rules regarding lights and dayshapes.	Exam	Identify vessels by lights and dayshapes.	
	Know the inland and international rules regarding operation in restricted visibility.	Exam	List rules for operation in restricted visibility and the requirements for sound signals.	
	Know the rules that apply when risk of collision exists.	Exam	List the requirements for sound signals and maneuvering when risk of collision exists.	
Thorough knowledge of the principles to be observed in keeping a navigational watch.	Know the principles to be observed in keeping a navigation watch.	Exam	Describe the standards of Chapter VIII of the STCW Code related to keeping a navigational watch.	70% minimum score on written exam.

Function: Navigation

Competence: Establish watchkeeping arrangements and procedures *(continued)*

**TABLE A-II/2 ASSESSMENT CRITERIA
MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)**

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Effective bridge teamwork procedures	Know the principles and techniques of effective bridge teamwork procedures, including: <ul style="list-style-type: none"> - effective communications among the bridge team - error chain analysis - situational awareness - voyage planning - bridge procedures and watch arrangements - watchstander skill development - effective leadership 	Exam	Describe the elements listed in the performance objective along with the recommendations in Section B-VIII/2 regarding bridge resource management.	70% minimum score on written exam

Competence: Maintain safe navigation through the use of radar and ARPA and modern navigation systems to assist command decision making

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Thorough understanding of modern navigational systems, including ARPA	Use radar and ARPA to assess situations and take appropriate response.	Simulator or On board ship	Given a variety of situations, assess and take action.	Maintenance of radar observer and ARPA certificate, as appropriate

Competence: Forecast weather and oceanographic conditions

Synoptic charts and weather forecasts	Understand and interpret synoptic chart and forecast weather.	Exam	Evaluate a series of representative synoptic charts to forecast approaching weather.	70% minimum score on written exam
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TABLE A-II/2 ASSESSMENT CRITERIA MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)

Function: Navigation

Competence: Maneuver the ship

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Ship handling	Know the hazards and procedures for approaching a pilot station.	Exam	Describe the particular items to be aware of and the operational procedures for the evolutions listed.	70% minimum score on written exam
	Understand constant rate of return techniques.			
	Know how a ship and tug interact.			
	Understand dry-docking techniques.			
	Know procedures for navigating near ice.			

TABLE A-II/2 ASSESSMENT CRITERIA
MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)

Function: Cargo handling and stowage

Competence: Plan and ensure safe loading, securing, and care during the voyage and unloading of cargoes

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Cargo handling, stowage, and securing	Know the effect of stability and trim on cargo operations.	Exam	Given a series of cargo handling situations and load conditions evaluate the effects on stability and trim.	70% minimum score on written exam
	Use stability and trim diagrams to keep hull stress within acceptable limits.	Exam	Given a series of cargo handling situations and load conditions evaluate the effects on hull stress.	
Carriage of dangerous cargoes	Know the IMDG Code and BC Code.	Exam	Describe the requirements of the IMDG and BC codes.	

TABLE A-II/2 ASSESSMENT CRITERIA
MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)

Function: Controlling the operations of the ship and care for persons on board

Competence: Control trim, stability, and stress

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Ship stability	Understand fundamental principles of construction and stability.	Exam	List the ways that a vessel's construction affects its stability and seaworthiness.	70% minimum score on written exam
	Know the stability effects of flooding and countermeasures.	Exam	Calculate the impact of flooding and free surface effects.	
	Know IMO recommendations on stability.	Exam	List and describe IMO recommendations on stability applicable to OSV's.	

TABLE A-II/2 ASSESSMENT CRITERIA
MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)

Function: Controlling the operations of the ship and care for persons on board

Competence: Monitor and control compliance with safety of life at sea and pollution prevention regulations

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Pollution prevention requirements and procedures, national regulations and laws, international conventions	Know the following: <ul style="list-style-type: none"> - Certificates required and their period of validity - Responsibilities under the Load Line Convention - Responsibilities under SOLAS - Responsibilities under the International Convention of Pollution Prevention - Requirements of the International Health Regulations - International instruments affecting the ship, passengers, crew, and cargo - Methods and aids to prevent pollution by ships - National legislation and regulations for implementing international agreements 	Exam	Describe the impact and applicability of the items listed.	70% minimum score on written exam

**TABLE A-II/2 ASSESSMENT CRITERIA
MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)**

Function: Controlling the operations of the ship and care for persons on board

Competence: Maintain safety and security of the ship's crew and passengers and the operational condition of life-saving, fire fighting and other safety systems

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Operation and maintenance of life-saving appliances	Know life-saving appliance regulations under SOLAS.	Exam	List and describe the SOLAS requirements applicable to OSV's.	70% minimum score on written exam
	Maintain operational condition of life-saving, firefighting, and other systems	On board ship	Conduct inspection and keep logs related to safety systems required on OSV's.	Equipment is inspected and records are kept in accordance with applicable regulations and company policies.

Competence: Develop emergency and damage control plans and handle emergency situations

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Preparation of contingency plans	Prepare contingency plans for response to emergencies.	Exam	Prepare contingency plans for man overboard, fire, collision, grounding, heavy weather.	70% minimum score on written exam
Knowledge of ship construction features related to damage control	Know the features of ship construction related to damage control.	Exam	Describe the ship construction features related to damage control on OSV's.	
Knowledge of methods and aids for fire prevention, detection, and extinction.	Know methods and aids for fire prevention, detection, and extinction.	Exam	List methods and aids for fire prevention, detection, and extinction on OSV's.	
Knowledge of functions and use of life-saving appliances	Know functions and use of life-saving appliances.	Exam	Describe functions and use of life-saving appliances on OSV's.	

Function: Controlling the operations of the ship and care for persons on board

Competence: Organize and manage the crew

**TABLE A-II/2 ASSESSMENT CRITERIA
MASTER – OSV ON NEAR COASTAL WATERS (INTERNATIONAL)**

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Knowledge of personnel management, organization, and training on board ship	Know personnel management techniques for effective communication, conflict resolution, and training.	Exam	Describe the principles and techniques of effective communication, conflict resolution, and training.	70% minimum score on written exam
Knowledge of related international conventions, recommendations, and national legislation related to management of the crew.	Know the applicability of international conventions, recommendations, and national legislation.	Exam	List the provisions of international conventions, recommendations, and national legislation.	

Competence: Organize and manage the provision of medical care on board

KUP	Performance Objective	Condition of Assessment	Performance Measure	Performance Standard
Thorough knowledge of International Medical Guide for Ships (or equivalent), medical section of Code of Signals, and Medical First Aid Guide for Use in Accidents Involving Dangerous Goods	Know procedures for using medical guides and code of signals.	Exam	List procedures.	70% minimum score on written exam