



NAME: _____ DATE: _____

Task: (POS) “Minimum” requirements for Class II Boats
Specific standards must be adapted to region and boat

Conditions Performed shore side or underway. Operator must accomplish all tasks without prompting or use of a reference.

Task: Vessel - 01a

Task **State the Unique Characteristics of the Vessel.**

References Vessel Information Sheet

Conditions Performed at any time ashore, at the dock or afloat. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must state the design limitations specific to the vessel being trained on.

Completed **Performance Criteria**

- _____ 1. State the following characteristics of the vessel:
- a. Hull design and thickness
 - b. Length of vessel/length including attachments
 - c. Inside and outside beam width (inflated/deflated)
 - d. Engines/motors (H.P. & type of drive)
 - e. Fuel capacity and fuel/oil delivery system

f. Sponsons if equipped (diameter/air pressure & chambers)

g. Battery setup (starting and house batteries)

h. Type of steering

Accomplished: Operator signature _____ Date

Task: Vessel - 01b

Task **State the Usage and Stowage of the following Equipment.**

References

Conditions Performed at any time on the vessel, at the dock or afloat. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must state the design limitations specific to the vessel being trained on.

Completed

Performance Criteria

_____ equipment:

1. Identify and describe the usage and stowage of the following

a. Fire Extinguishers (dry chemical and Co2)

b. PFD's (all types carried onboard)

c. 406 MgHtz EPIRB

d. First Aid Kit

e. Anchor & anchor rode (type of anchor/amount of chain/length and size of anchor line)

f. Specialized gear

g. Air pumps (foot and fast inflation/deflation)

h. Sponson repair kit

i. Emergency signaling equipment (flares/mirrors)

Accomplished: Operator signature _____ Date

Task: Vessel - 01c

Task **State the Design Limitations of the Vessel.**

References

Conditions Performed at any time ashore, at the dock or afloat. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must state the design limitations specific to the vessel being trained on.

Completed **Performance Criteria**

1. State the design limitations of the vessel:
- a. Maximum speed
 - b. Economical cruising speed
 - c. Fuel consumption at cruising and full speeds
 - d. Maximum range at various speeds
 - e. Minimum required crew size for vessel/operation
 - f. Maximum number of people that can be safely carried
 - g. Maximum load capacity

Accomplished: Operator signature _____ Date

Task: Vessel Operator - 2a

Task **Vessel Underway Safety & Equipment Check Offs**

References

Conditions Performed at the dock and on the vessel. Trainee must accomplish task with out prompting, and may use the pre-underway check-off as a reference.

Standards In response to the vessel operator, the trainee must conduct a pre-underway check-off for the vessel to locate and check proper condition, operation, and stowage of required equipment. Routine mechanical, electrical and engine checks will also be done. The pre-underway check-off should be performed using an up-to-date prepared checklist for the vessel that covers the specific performance criteria listed below.

Completed

Performance Criteria

- _____ 1. Float Plan completed and signed.
- _____ 2. Located and checked the proper condition, operation, and stowage of the following equipment:
- _____ a. Personal Flotation Devices (PFD,s)
 - _____ b. Fire Extinguishers
 - _____ c. Visual Distress Signals
 - _____ d. Anchor and anchor line
 - _____ e. Sound producing device
 - _____ f. Tools
 - _____ g. Mooring lines

- _____h. Searchlight
- _____i. First aid kit
- _____j. Navigation lights
- _____k. Boat hook
- _____l. Fathometer
- _____m. Charts, navigation plotting instruments
- _____n. Rules of the Road

_____ 3. Completed the required mechanical, electrical, and engine checks listed below:

- _____ a. Oil level (if applicable)
- _____ b. Water level (if applicable)
- _____ c. Fuel system hoses and valves
- _____ d. Batteries

- _____ 4. Conducted crew briefing:
- _____ a. Purpose of mission
 - _____ b. Any special circumstances concerning the mission
 - _____ c. Expected weather and sea conditions
 - _____ d. Location of emergency equipment
- _____ 5. Performed the following to prepare vessel for getting underway:
- _____ a. Secured boat for sea. (No loose gear)
 - _____ b. Started engine(s)
 - _____ c. Checked cooling water overboard discharge.
 - _____ d. Energized the electrical and electronic systems
 - _____ e. All gauges at satisfactory levels
- _____ 6. Tested the following electronic equipment (if equipped):
- _____ a. VHF-FM radio
 - _____ b. SSB radio
 - _____ c. Loud Hailer
 - _____ d. Fathometer
 - _____ e. GPS/DGPS plotter
 - _____ f. RADAR

Accomplished: Operator signature _____ Date

Task: Vessel Operator - 2b

Task **Get U/W, Docking and Line Handling**

References

Conditions Performed at the dock in calm sea and wind conditions. All mooring lines must be attached before task begins. Adjust operation for any wind or current.

Standards In response to the vessel operator, the trainee must perform the steps listed below. Trainee must give verbal commands for all line handling procedures.

Completed

Performance Criteria

- _____ 1. Briefed the crew on the procedures to be used for getting underway and their assigned duties.
- _____ 2. Completed U/W Check Sheet.
- _____ 3. Float Plan approved.
- _____ 4. Tested Engine(s) prior to getting U/W.
- _____ 5. Gave commands for all line handling in a loud/clear voice and acknowledged the responses of the crew member(s).
- _____ 6. All lines brought aboard except the spring line (if needed).
- _____ 7. Stated and compensated for the expected effects of the wind and current and used proper throttle control to get the vessel U/W.

_____ 8. Boat was eased out from the dock until clear of all obstacles with room to move ahead.

MOORING:

_____ 9. Briefed the crew on the procedures to be used for mooring and assigned duties.

_____ 10. Stated the expected effects of the wind and current and used proper throttle control to dock the vessel.

_____ 11. Tested Engines in reverse prior to mooring.

_____ 12. Approached the dock slowly at an angle.

_____ 13. Directed the crew to secure the lines to the dock in the proper order.

_____ 14. Ensured that all mooring lines were adjusted for expected tidal changes and wave/wake action (if applicable).

Accomplished: Operator signature _____ Date

Task: Vessel Operator - 2c

Task **Anchoring**

References

Conditions Performed underway on vessel in calm wind and sea conditions during daylight. Trainee must be at the wheel as operator and must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must anchor and weigh anchor in accordance with the steps below. Operator trainee must give verbal commands for all line handling procedures. Tasks must be accomplished without endangering personnel or the boat. Vessel must be anchored with room to swing.

ANCHORING

Completed

Performance Criteria

- _____ 1. Selected a position for anchoring, noting the depth of water, bottom contours, and characteristics.
- _____ 2. Briefed crew. Assigned duties as necessary.
- _____ 3. Piloted boat to selected position.
- _____ 4. Described expected effects of wind and current on anchoring the boat.
- _____ 5. Determined approximate length of the scope, (rode), by checking depth of the water and room available for the boat to swing.
- _____ 6. Directed crew to rig anchor and prepare for anchoring (if applicable).
- _____ 7. Approached anchorage keeping boat headed into the wind/or current.

- _____ 8. Checked boat's headway at the anchoring position.
- _____ 9. Directed crew to lower (not throw) the anchor to the bottom with a round turn on bitt/cleat (if applicable).
- _____ 10. Backed down away from the anchor while slowly paying out the anchor line until proper scope is reached.
- _____ 11. Fixed actual position using GPS, visual bearings or radar ranges.
- _____ 12. Checked water depth using fathometer.
- _____ 13. Ensured anchor was not dragging.
- _____ 14. Set anchor alarm on plotter (if applicable).

WEIGHING ANCHOR

Completed

Performance Criteria

- _____ 1. Briefed crew on procedure to be used. Defined their duties and what hand signals will be used, emphasize safety.
- _____ 2. Moved boat ahead slowly, using engine(s).
- _____ 3. Directed crew to take up slack in the anchor line as boat moved forward to prevent fouling propellers (if applicable).
- _____ 4. If the anchor failed to break free:
- a. Made anchor line fast around a forward bitt or cleat.
 - b. Maneuvered boat around on the line to break the anchor out.
- _____ 5. Made up and secured all gear

Accomplished: Operator signature _____ Date

Task: Vessel Operator - 2d

Task Marlinspike Seamanship

References

Conditions Performed at any time on the vessel, at the dock or afloat. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must tie an assortment of knots, hitches and bends quickly and confidently. Know what each is used for. All knots, bends and hitches must hold under a strain.

Completed

Performance Criteria

- _____ 1. Tie a square knot.
- _____ 2. Tie a bowline.
- _____ 3. Tie a clove hitch.
- _____ 4. Tie a single and double becket bend.
- _____ 5. Demonstrate proper way to make up line on cleats and the tow post.
- _____ 5. Describe safety concerns with nylon line under strain.

Accomplished: Operator signature _____ Date

Task: Vessel Operator - 2e

Task **Rules of the Road**

References Navigation Rules Inland-International, COMDTINST
M16672.2

Conditions Performed while underway on the vessel. Signals under international and/or inland rules should be demonstrated depending on which rules normally apply in the trainee's operating area.

Standards In response to the vessel operator, the trainee must demonstrate an understanding of the Rules of the Road, including the proper sound signals in good and restricted visibility, navigation light displays common in operational area, requirements for use of radar and knowledge of recognized distress signals.

Note: When performing the task, care must be exercised to avoid confusing boats underway in the immediate vicinity.

Completed

Performance Criteria

- _____ 1. Stated proper sound signals for altering course to starboard and port.
- _____ 2. Stated sound signal for operating astern propulsion .
- _____ 3. Stated the signal for failing to understand the action/intention of another boat (danger signal).
- _____ 4. Stated the signal for power driven vessel underway with way on in restricted visibility.

- _____ 5. Stated the signal for power driven vessel underway with no way on in restricted visibility.
- _____ 6. Stated signal for boat not under command or with restricted maneuverability in restricted visibility.
- _____ 7. Stated signal for boat with stern tow and boat being towed in restricted visibility.
- _____ 8. Stated signal for boats at anchor in restricted visibility.
- _____ 9. Stated proper light display for vessels underway.
- A. Power driven
 - B. Sail
 - C. Towing
 - D. Fishing
- _____ 10. Stated proper light displays for vessels at anchored.
- _____ 11. Stated the vessel operators responsibilities for use of radar (if equipped).
- _____ 12. Describe the recognized distress signals.
- _____ 13. Stated and demonstrated a practical understanding of vessel right of way (give way and stand on).

Accomplished: Operator signature _____ Date

Task: Vessel Operator - 2f

Task **Boat Handling**

References

Conditions Performed underway. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must state the forces that affect boat handling as outlined in the steps below and demonstrate the boat handling tasks listed.

Completed

Performance Criteria

- _____ 1. Stated how weight and buoyancy affect a vessel's stability.
- _____ 2. Stated how any change in the center of gravity of a boat affects stability when weight is added, subtracted or shifted.
- _____ 3. Stated what effects the environmental forces of wind, seas and current have on the horizontal motion of a vessel.
- _____ 4. State at least 5 indicators of deteriorating weather.
- _____ 5. Stated the effect of running with head sea.
- _____ 6. Stated the effect of running before a sea (following seas).
- _____ 7. Stated the effect of traversing a beam sea.
- _____ 8. Stated how cavitation of a boat's propeller affects boat handling.

- _____ 9. Demonstrate coming alongside a vessel underway.
- _____ 10. Demonstrate coming alongside a vessel drifting.
- _____ 11. Demonstrate beaching the vessel.
- _____ 12. Demonstrate taking a vessel in a stern tow.
- _____ 13. Demonstrate taking a vessel in an alongside tow.

Accomplished: Operator signature _____ Date

Task: Vessel Operator - 2g

Task **State the Procedures to Follow for the Following Marine Engineering Casualties**

References

Conditions Performed at any time ashore, at the dock or afloat. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must describe or perform the procedures to follow for the following marine engineering emergencies:

Completed

Performance Criteria

_____ 1. Described possible causes and procedures to follow if Engines/Motors will not start..

_____ 2. Described possible causes and procedures to follow for high engine temperature.

_____ 3. Described possible causes and procedures to follow for loss of electrical power.

_____ 4. Described possible causes and procedures to follow for low/no engine oil pressure. (If applicable)

_____ 5. Described possible causes and procedures to follow for a steering casualty.

_____ 6. Described possible causes and procedures to follow if engine overspeeds. (Diesel only)

Accomplished Operator signature _____ Date

Task: Vessel Operator - 2h

Task **State the Procedures to Follow for the Following Marine**
Casualties

References

Conditions Performed at any time ashore, at the dock or afloat. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must describe or perform the procedures to follow for the following marine emergencies:

Completed

Performance Criteria

- _____ 1. Demonstrate proper procedures to follow if a person falls overboard.
- _____ 2. State the actions to take if your boat runs aground.
- _____ 3. Demonstrate proper procedures to follow for an onboard fire.
- _____ 4. State the actions to take when approaching a burning boat to recover personnel.
- _____ 5. Described possible causes for flooding and proper procedures to follow .

Accomplished Operator signature _____ Date

Task: Vessel Operator - 2i

Task **Navigation**

References

Conditions Performed at any time underway. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must demonstrate proficiency in navigating using boats compass, GPS and RADAR. .

Completed

Performance Criteria

_____ 1. Demonstrated an understanding of compass errors and how to apply them.

_____ 2. Take a visual fix using either the boats compass or a hand held compass, convert the bearings to magnetic or true and plot on chart.

_____ 3. Take a GPS fix and plot on the chart.

_____ 4. Take a radar fix using ranges and bearings and plot on chart (if applicable).

_____ 5. Complete a Sweat Chart that shows waypoints, tracklines, true or magnetic compass courses, and distances of the most commonly traveled routes within the area of operation. (Dock Side)

_____ 6. Demonstrated a knowledge of the local aids to navigation.

Accomplished: Operator signature _____ Date

Task: Vessel - 03a

Task **Vessel Electronics**

References

Conditions Performed at any time on the vessel, at the dock or afloat. Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must demonstrate a working knowledge of the following electronic equipment.

Completed

Performance Criteria

_____ 1. Identify and demonstrate how to operate and use the following boat electronics (if applicable):

- A. VHF Radio
- B. GPS Plotter
- C. RADAR
- D. Depth Sounder

Accomplished: Operator signature _____ Date

Task: Vessel - 04a

Task **Vessel Maintenance**

References

Conditions Performed at any time at the dock . Trainee must accomplish task without prompting or use of a reference.

Standards In response to the vessel operator, the trainee must demonstrate a knowledge of the following maintenance procedures.

Completed

Performance Criteria

- _____ 1. Demonstrate maintenance inspections for the following:
- A. Pre-trip inspection
 - B. Engine operation
 - C. Post-trip inspection

Accomplished: Operator signature _____ Date

Task: Vessel Operator - 7a

Task **Underway Check Ride**

References **All Operator Required Tasks**

Conditions Performed dockside and underway on the small-boat in calm sea conditions. Trainee must accomplish task without prompting or use of a reference. All prior operator tasks must be satisfactorily completed prior to checkride.

Standards In response to the Senior Vessel Operator, the trainee must, answer questions on, and perform the below listed evolutions for the operator position.

Completed

Performance Criteria

_____ 1. Conducted a pre-underway check off and confirmed the vessel was within its stated operational limitations to perform the assigned mission.

_____ 2. Conducted a pre-underway brief.

_____ 3. Ensured all crewmembers wore PFD'S and had a good understanding of the requirements and use of the personnel survival equipment.

_____ 4. Efficiently and safely handled the facility and communicated effectively with the crew while getting underway.

_____ 5. Used navigational charts, aids to navigation, and installed electronic navigation gear.

_____ 6. Responded to a Man-overboard drill, and safely recovered a simulated PIW.

_____ 7. Demonstrated proficiency and safety during a stern tow, including:

- a. Making preparations for taking a vessel in tow.
- b. Communication with crewmembers.
- c. Towing approach and station keeping.
- d. Proper speed and towline considered.
- e. Safety of and communications with personnel on the towed

boat.

- _____ 8. Demonstrated proficiency and safety during an alongside tow.
- _____ 9. Demonstrated proficiency while anchoring and weighing anchor.
- _____ 10. Used appropriate navigational sound signals when needed.
- _____ 11. Correctly piloted and labeled navigational charts during the trip given by the VOC or designee. Correctly demonstrated the following during the trip:
 - a. Correctly converted from true to compass course.
 - b. Speed, Time, and Distance computed.
 - c. ETA computed within a reasonable time.
 - d. Fixes taken and properly labeled to verify vessel's position.
- _____ 12. Efficiently and safely moored the boat.

_____ 13. Satisfactorily answered questions on policies and procedures, engine casualties, boat handling, aids to navigation, rules of the road and local area.

Accomplished: Senior Vessel Operator _____ Date