

NauticEd Practical Skipper Competency Check-out

NauticEd Student _____ Date _____

Checked out by NauticEd Qualified Captain _____

BELOW DECKS

Discussion of and Identify locations of:

- Tool kit
- Flares
- Location of first aid kit
- Owners Manual
- Emergency numbers
- Flashlight

Salon

- Closing Hatches under sail,
- Hatches and locking procedure
- CO2 sensors
- Bilge: Pump/high water alarm/AC bleed

Head

- No bleach in head
- Clean and wipe bowl after **every** outing
- Sea Cocks
- Shower Drain
- "Y" valve
- Only limited amount of paper and previously eaten items to be flushed
- Manual and Electric Head Pump Use

Galley

- Stove, igniting and bleeding LP lines for shut off
- Lock all drawers and cabinets before sailing
- Trash bin to be emptied
- Wipe down sink and countertops, microwave
- Sink drain sea cocks
- Fresh water system and valves

Engine

- Check oil level
- Spare oil
- Water pump and impeller
- Packing gland and active drain
- Filter locations: Fuel and oil
- Raw water strainers, location and cleaning
- Transmission fluid check
- Transmission linkages
- Decompression switch on engine
- Extra engine keys
- Engine raw water intake

Berths

- Hatches

Electric Panel

- AC/DC panel explanation
- Entertainment systems
- Genset or Inverter operation
- Air conditioner, heat
- Speed and depth transducer location
- Air Conditioning on/off panel
- VHF. Perform simulated Mayday and Pan
- GPS
- Radar
- Windlass reset
- Water heater- 110v and engine heat
- Battery Locations. Switching procedures.

ABOVE DECKS

Discussion of and Identify locations of:

- Emergency lights,
- PFD's, and proper use
- Throw cushion,
- Life ring,
- Flashlight
- Shore power connect/disconnect
- Shore power reset switch
- Fuel fill port and refill instructions
- Pump out port and refill instructions
- Water fill port and refill instructions
- Deck brush and cleaning supplies
- Manual bilge pump
- Outdoor shower
- Emergency tiller
- Halyards - roller furling/ non-roller furling
- Outhaul lines,
- Inhaul lines,
- Boom vang,
- Sheets,
- Traveler lines,
- Genaker equipment

Discuss and Demonstrate Standards and use and care of, as applicable to various boat models:

Forward

- Windlass usage
- Clean rode and anchor after use
- Water fill port and instructions
- Do not sit on hatches
- Roller furling components
- Hose off roller furling after use

Amidships

- Fender placement and attachment
- Main roller furling
- Main sail attachments inside mast.
- Stowage of Halyards and topping lift lines at mast

Aft/cockpit

- Engine start procedure including warm up
- Gear lever including neutral warm up button
- Engine shut off procedure
- High temperature alarms
- Life line clips
- Shore power disconnect procedure including turn off switches prior
- Wheel lock and rotate
- GPS use
- Autopilot use
- Radar use
- Wind Instruments
- Describe appropriate means of pulling the boat closer to a dock including not using life lines or stanchions.
- Dockline stowage and appropriate knots
- Halyard, outhaul, traveller lines stowage and appropriate knots

SAILING AND MANEUVERING

SLIP DEPARTURE

- Use proper procedures, see that boat and crew are ready for departure
- As Skipper, communicate departure plan taking into account wind and current directions and speed
- As Skipper, assign appropriate crew stations
- Give proper commands to cast off dock lines in appropriate order
- Use spring lines appropriately to power away from dock
- Demonstrate and discuss knowledge of various wind and current conditions in leaving the dock
- Leave dock completely in control

BOAT HANDLING UNDER POWER

- Start the inboard auxiliary engine, observing safety procedures
- Maneuver the boat to a full stop with the beam of the boat less than ½ of a boat length away from a mark without overshooting the mark with approaches from downwind and up wind
- Maneuver the boat in 3 full circles around a mark at 1500 rpm and 2500 rpm in forward
- Demonstrate handling of the wheel with two hands when maneuvering the boat in reverse
- Maneuver the boat in 3 full circles around a mark at 1500 rpm and 2500 rpm in reverse
- Maneuver the boat in a figure 8 pattern in forward, around two marks twice at 2000 rpm
- Maneuver the boat in a figure 8 pattern in reverse, around two marks twice at 2000 rpm
- Perform a "Standing Turn" maneuver, turning the boat 360° in a confined area using 1-2 second short bursts on the throttle to 2500 rpm.
- Back the boat in a straight line for 100 feet and stop the boat within ½ a boat length of a mark at the stern.
- Maneuver the boat to a full stop parallel to and 2 feet away from dock. Approach with dock to port and then starboard, without passing a given mark on the dock.
- Stop the engine observing safety procedures

PARALLEL DOCKING

- Issue proper commands to crew to ready the boat for return including setting out fenders and cleat dock lines to stern and forward cleats
- Use correct approach based on wind and current direction and speeds
- Use slow speed, keeping boat under control
- Stop the boat the correct distance from dock
- Give proper commands for stepping ashore, securing dock lines
- Tie boat securely to dock to prevent excessive movement

HOISTING, DOUSING, FURLING AND UNFURLING FURLING SAILS

- Unfurl, set & furl sails correctly with boat in proper orientation to the wind
- Apply appropriate back tension to outhauls/sheets when furling sails
- Check stopper knots in sheets
- Lines neatly coiled, flaked, or stacked appropriately
- Explain extreme care when using winch on jib and main inhauls
- Genoa inhaul line cleated, coiled and properly stowed

PROPER WINCH TECHNIQUES

- Safety – aware of high tension on halyards and sheets
- Proper wrapping techniques
- Removal of winch handle after use

BOAT HANDLING UNDER SAIL / POINTS OF SAIL

- As helmsperson – use proper commands, select and maintain a given course
- As crew – give appropriate responses and set sails properly
- Sail and stop the boat head to wind within ½ a boat length of a mark abeam
- Demonstrate proper traveler use
- Demonstrate proper headsail fairlead track positioning: reefed and unreefed

As helmsperson and crew, demonstrate proper sail angles when:

- | | |
|---|---|
| <input type="checkbox"/> Close Hauled | <input type="checkbox"/> Broad Reaching |
| <input type="checkbox"/> Close Reaching | <input type="checkbox"/> Running |
| <input type="checkbox"/> Beam Reaching | |

HEADING UP / BEARING AWAY

- As helmsperson – use proper command (“Heading up”), sail closer to wind
- As crew – trim sails correctly
- As helmsperson – use proper command (“Bearing away”), sail further from wind
- As crew – ease sheets and trim sails correctly

TACKING

- As helmsperson – use proper commands: “Ready about; Helm’s over”
- As helmsperson – select then sail a new heading holding a steady course
- As helmsperson – execute maneuver without overshooting new desired heading
- As crew – give proper responses (“Ready”), release sheets at proper time
- As crew – re-trim sheets correctly

GYBING

- As helmsperson – use proper commands: “Prepare to Gybe [center main]; Gybe-ho”
- As helmsperson – select then sail a new heading with out over shooting new desired heading and maintain a steady course
- As crew – mainsheet control (center main; “Ready”)
- As crew – release sheets with proper timing
- As crew – re-trim sheets correctly
- As crew – cleat lazy jib sheet to ensure head sail does not wrap around head stay prior to gybe

LUFFING UP, STOPPING, AND GETTING OUT OF IRONS

- As helmsperson, bring boat to a close reach
- As crew – ease the sheets to stop the boat (complete luff)
- As helmsperson and crew – Place the boat in irons (head to wind) and, using proper rudder control and backing of the sails, sail off in a predetermined direction
- As crew – sheet in at proper time

STEERING / RULES OF THE ROAD

- Steer a compass course for 5 minutes within +/- 10 degrees of course at all times
- Demonstrate knowledge of right of way rules (opposite tack, same tack, sail meeting power, power meeting power and overtaking)

HEAVING-TO / REEFING

- Heave-to on starboard and get underway sailing normally again
- Properly reef the mainsail
- Properly reef the headsail
- Shake out reef while under control

ANCHORING

- As helmsperson and crew – Drop anchor in water more than 10 feet in depth and reverse away using appropriate throttle.
- Friendly deployment of chain so as not to damage boat gelcoat
- As crew - Use proper hand signal communication
- As crew – set appropriate scope
- Raise anchor with boat ready for departure
- Use proper windlass techniques with engine. Do not pull boat to anchor with windlass. Use Engine.
- Proper retrieval techniques so as not to knock anchor against bow.

LOCAL CONDITIONS

- As Skipper, point out local hazards including overhead wires, known shallows and underwater hazards
- Local sources of weather and tidal information
- Point out and correctly identify day marks
- Discuss local commercial shipping lanes and dangers

CREW OVERBOARD RECOVERY

- Called COB, Appointed a Spotter, Deployed Flotation (Type IV PFD), organized appropriate throw lines
- Controlled the event and crew with confidence
- Crash tack method with Engine on
- Used proper approach. Head to wind engine on
- Stopped the boat next to the MOB
- Discussed bringing an exhausted person aboard

NIGHT TIME SAILING

- Able to identify significance and location of local lighted marks
- Able to identify correct return to dock lighted marks
- Able to identify correct lighting on power boats, sailing vessels and locally operated commercial traffic
- Able to determine direction of movement based on light colors and positions of traffic
- Able to identify sufficient markers to determine positions of local hazards

SLIP RETURN

- As crew – handle dock lines so as to allow for easy retrieval upon return
- As crew – set fenders at appropriate locations using correct knots
- As Skipper give appropriate commands to ready crew and dock lines for safe return
- As Skipper – return boat to slip safely and under control
- As crew – use proper cleat hitches when securing dock lines to boat
- Performed holding tank pump out

KNOTS

- | | |
|--|--|
| <input type="checkbox"/> Stow all lines according to the boat requirements | <input type="checkbox"/> Clove Hitch |
| <input type="checkbox"/> Bowline | <input type="checkbox"/> Round Turn and 2 Half Hitches |
| <input type="checkbox"/> Figure 8 Knot | <input type="checkbox"/> Square (Reef) Knot |
| <input type="checkbox"/> Cleat Hitch | <input type="checkbox"/> Sheet Bend |

Instructions for Check out Captain

Once your student has demonstrated competency and knowledge in ALL areas above

- Login to NauticEd.org with your email address and password.
- In the search box, enter the students email address and logbook code.
- Check the box next to the appropriate Verified Practical Competency check out you performed with the student.