



NAVY SAILING



LOCAL
AND
OFFSHORE
QUALIFICATION
STANDARDS
FOR
LARGE
SAIL-TRAINING
CRAFT



UNITED STATES NAVAL ACADEMY

CNET MANUAL P1552/1 USNA VERSION (05-04)

QUALIFICATIONS

CNET P1552/1

NAME _____ RATE/RANK _____

This page records satisfactory completion of designated sections of the Personnel Qualification Standards (PQS).

QUALIFICATION: Having observed satisfactory knowledge and performance, I recommend that the above-named individual be designated qualified

RECOMMENDED FOR
CRUISING SKIPPER _____
[Signature]

DATE _____
[Printed Name] (Qualified Senior Skipper D-SS Instructor/ OINC/Coach)

APPROVED FOR
CRUISING SKIPPER _____
[Signature]

DATE _____
[Printed Name] (Commanding Officer or Designated Representative)

RECOMMENDED FOR
SENIOR SKIPPER _____
[Signature]

DATE _____
[Printed Name] (Qualified Senior Skipper D-SS Instructor/ OINC/Coach)

RECOMMENDED FOR
SENIOR SKIPPER _____
[Signature]

DATE _____
[Printed Name] (Commanding Officer or Designated Representative)

APPROVED FOR
SENIOR SKIPPER _____ DATE _____
(DONS/ Executive Director, USNSA)

United States Navy Offshore Qualification Standards for Large Sail-Training and Recreational Sailing Vessels Qualification Record Book

This is the official record of verified skills for Offshore Qualification Standards for Large Sail-Training and Recreational Sailing Vessels as demonstrated by the following owner of this Qualification Record Book

Name _____
First Middle Initial Last

Address _____

City State Zip

Telephone _____

If found please return to the above named individual or to

Executive Director
NAVSTA/USNSA
58 Bennion Rd.,
Annapolis, MD 21402-5054

Phone 410 293-2130 (Commercial)
281-2130 (DSN)
410 293-4845 (Fax)
email: usnsa@usna.edu
website: www.NavySailing.org

The Qualification Book, when properly completed, identifies you as having met all the requirements for a NAVY sailing qualification at the appropriate level. It also serves as your "Navy Log of Sailing" until you decide to obtain a copy of CNET P1552/02 (Hardbound Navy Sailing Log).

Rigging, Sails & Deck Gear

- a. Inspects and maintains sails, running rigging, mooring lines, anchor, winches and related equipment.
- b. Adjusts standing rigging.
- c. Troubleshoots and applies corrective actions to rigging, sails, towing gear and ground tackle.
- d. Accomplishes deck, sails and running rigging preventive maintenance.

Instructor Name _____

Instructor Signature _____ Date _____

Engineering

- a. Maintains engine, steering gear and other auxiliary equipment in a safe manner.
- b. Troubleshoots and applies corrective actions to engine, propulsion, steering, mechanical refrigeration, head and stove casualties.
- c. Demonstrates ability to accomplish all engineering and steering preventive maintenance.

Instructor Name _____

Instructor Signature _____ Date _____

Electrical

- a. Troubleshoots and applies corrective actions to electrical casualties.
- b. Accomplishes all electrical preventive maintenance.

Instructor Name _____

Instructor Signature _____ Date _____

Damage Control

- a. Troubleshoots and applies corrective actions to all safety, hull or plumbing casualties.
- b. Accomplishes all safety, hull and plumbing preventive maintenance.

Instructor Name _____

Instructor Signature _____ Date _____

Logistics and Environment

- a. Troubleshoots and applies corrective actions to all galley casualties.
- b. Accomplishes all galley preventive maintenance.

Instructor Name _____

Instructor Signature _____ Date _____

Leads the boat

- a. Aligns crew interests with planned underway events.
- b. Demonstrates capability to transfer appropriate qualities, values, and skills to others in a non-confrontational manner.
- c. Demonstrates the ability to coach a subordinate to operate in a leadership capacity.
- d. Instills appropriate personal appearance and behavior in crew.
- e. Anticipates and encourages favorable outcomes, precludes unfavorable outcomes, and mitigates damage from unforeseen situations.
- f. Instills confidence by personal demeanor, actions and words.

Instructor Name _____

Instructor Signature _____ Date _____

Sets the example

- a. Demonstrates qualities of responsibility; accountability; accomplishment; safety; forehandedness; stewardship; attention to detail; enthusiasm; compatibility; selflessness; mentoring; and conservative respect for the seas, wind and weather.
- b. Demonstrates understanding of personal strengths and limits.
- c. Demonstrates appropriate personal appearance, behavior and etiquette.

Instructor Name _____

Instructor Signature _____ Date _____

Safety

- a. Maintains safety, safety, safety.
- b. Creates a safety-focused climate by personal actions and strict adherence to safety standards and procedures which results in a safe passage of assigned crew, boat and equipment.
- c. Instills within crew an attitude of safety first.
- d. Emphasizes boom, winch and bight danger zones.
- e. Trains crew in danger areas of bridge deck and main sheet partners.
- f. Takes all reasonable precautions to precludes crew overboard.
- g. Carries out periodic crew recovery drills, including in darkness.
- h. Ensures each crew participates in abandon ship drill.
- i. Takes appropriate precautions with gasoline and propane.

Instructor Name _____

Instructor Signature _____ Date _____

4. SENIOR SKIPPER (D-SS)

- a. QUALIFICATION SUMMARY: Commands an offshore-capable, inboard auxiliary-powered sailboat during continuous offshore passages across unfamiliar waters day, night and reduced visibility in strong to heavy wind and sea conditions.
- b. PREREQUISITES: Qualified as Cruising Skipper (D-CS)
- c. STANDARDS SUMMARY:
 - i. Completion of Senior Skipper PQS and,
 - ii. after award of Cruising Skipper (D-CS) Qualification, a minimum of *fifty six* hours underway on watch more than 15 nm offshore of which at least 20 hours are under sail,
 - iii. which includes a continuous passage of at least 200 nm more than 15 nm offshore, aboard an offshore-capable sailing vessel generally greater than 30 feet in length,
 - iv. demonstrating practical knowledge to command a sailing vessel through a safe offshore passage, and
 - v. successful completion of written examinations.
- d. PERFORMANCE:
 - i. Command Responsibilities

Commands the boat

- a. Ensures boat meets all commitments.
- b. Sets and maintains standards of excellence.

Instructor Name _____

Instructor Signature _____ Date _____

Leads the boat

Aligns crew interests with mission.

Instructor Name _____

Instructor Signature _____ Date _____

Readiness

Supervises readying boat for offshore operations.

Instructor Name _____

Instructor Signature _____ Date _____

Advanced Navigation Plotting

- a. Uses set and drift to calculate course such that estimated position will lie along track.
- b. Calculates tides and currents at a specific time and substation from tide and current tables.
- c. Using LORAN/ GPS enters and edits way points in memory; creates, edits and activates routes; changes way points manually when required; determines SOA, distance, ETA and bearing to next way point (if available) [SOA/ETA/BTW ____]; and determines position, SOG, COG and VMG (if available) [SOG/COG/VMG ____].
- d. Confirms chartwork with electronic navigation equipment.

Instructor Name _____

Instructor Signature _____ Date _____

Rigging, Sails & Deck Gear

- a. Inspects sails, running rigging, mooring lines, anchor, winches and related equipment.
- b. Maintains preservation and cleanliness of boat exterior.
- c. Inventories sails, running rigging, mooring/ docking lines, ground tackle, deck and towing gear and related equipment.
- d. Maintains sail stowage plan.
- e. Operates ground tackle, mooring lines, towing gear and related equipment in a safe manner.
- f. Completes deck, sail, standing and running rigging pre-underway checks.
- g. Devises effective chafe protection.
- h. Selects and ties appropriate knots in running rigging and mooring/ docking lines.
- i. Demonstrates ability to send crew loft in safe manner.

Instructor Name _____

Instructor Signature _____ Date _____

Electrical

- a. Operates electrical system in a safe manner.
- b. Conducts electrical pre-sail checks.
- c. Monitors condition of all battery banks and recommends charging or maintaining.
- d. Monitors electrical load.

Instructor Name _____

Instructor Signature _____ Date _____

The United States Navy
Sailing Qualification System

INSHORE SAILOR
QUALIFICATION LEVELS:

[For dinghies, keel, and centerboard daysailers and catamarans]
(Small to mid-size sailboats are *generally* under 30' and without live-aboard accommodations)

Mate (A)

Minimum qualification to crew on small sailing craft

Dinghy Skipper (B-DS)

Qualified to handle small centerboard sailing craft in local water

Keel Boat Skipper (B-KBS)

Qualified to handle a small keel boat sailing craft in local waters.

Cruising Skipper (B-CS)

Qualified to handle small to mid-size sailing craft with auxiliary power in local waters

Cruising Skipper (B-CSN)

Qualified to handle small to mid-size sailing craft with auxiliary power in local waters. The N signifies certification for night and reduced visibility sailing.

OFFSHORE SAILOR
QUALIFICATION LEVELS:

[For larger sailboats, *generally* > 30', with keels and live-aboard accommodations.]

Senior Crew (SC)

Minimum qualification to be considered crew-qualified on an offshore-capable, auxiliary-powered sailing vessel. Completion of the Senior Crew PQS required.

Watch Captain (WC)

Qualified to supervise operations aboard an offshore-capable, auxiliary-powered sailing vessel offshore with a qualified Skipper (Cruising Skipper (D-CS), Senior Skipper (D-SS) or Master Skipper (E-MS)) aboard. Completion of the Watch Captain PQS required.

Cruising Skipper (D-CS)

Qualified to *command* an offshore-capable, auxiliary-powered sailing vessel in designated waters under geographic and visibility limits specified by local installation Commander. Completion of the Cruising Skipper PQS, written exam, check-ride and local knowledge required.

Senior Skipper (D-SS)

Qualified to *command* an offshore-capable, auxiliary-powered sailing vessel in offshore waters, night and day. Demonstrated knowledge of Celestial Navigation, completion of the PQS for Senior Skipper, and written exam required.

Master Skipper (E-MS)

Qualified to command an offshore-capable, auxiliary-powered sailing vessel in open ocean under all conditions. Senior Skipper qualification a prerequisite, supplemented with significant offshore racing or sailing and a demonstrated ability to teach others to skipper.

Please forward comments for correction, additions, and revisions to

United States Naval Sailing Association
USNSA\NAVSTA
58 Bennion Road
Annapolis, Maryland 21402-5054

410 293-2130

Fax 410 293-4845

email: <usnsa@usna.edu>

US NAVAL SAILING ASSOCIATION

The U.S. Naval Sailing Association (USNSA) consists of military affiliated individuals and groups (branches) promoting fleet readiness and professionalism in maritime endeavors, and strengthening naval ties to our heritage. We do this by encouraging and assisting Commanding Officers to promote sailing and boating as part of their training and recreational programs. All sailing programs within the Navy and DOD use the standards and qualification levels promulgated in the Chief of Navy Education and Training (CNET) Instruction 1520.10 series. USNSA assists CNET in the administration of the Navy Sailing Program, working closely with CNET, Navy Department, Bureau of Naval Personnel (PERS 6), US Naval Academy, and United States Sailing Association to insure that instructions, standards, and qualifications are common across all sailing programs. While the words may differ between military and civilian programs, the objective is the same: to promote the skill and sport of sailing.

This document is a reorganization of CNET MANUAL P1552/1 TEST ALTERNATIVE (01-03), PERSONNEL QUALIFICATION STANDARD FOR LARGE SAIL TRAINING CRAFT for use at the USNA. The reorganization relocates USNA-specific navigation requirements to the qualification level required at USNA; there are no changes in requirements. The reorganization was done by LTC Ray Knell, USA (Ret.). LTC Bob Howe, Executive Director, USNSA, and LCDR Neil Covington, USNA Sailing Training Officer, provided guidance and input.

3. CRUISING SKIPPER (D-CS)

- a. QUALIFICATION SUMMARY: Commands an offshore-capable, inboard auxiliary-powered sailing vessel during short passages within designated waters day, night and reduced visibility in protected to moderate wind and sea conditions.
- b. PREREQUISITES: Qualified as Watch Captain
- c. STANDARDS SUMMARY:
 - i. Completion of Cruising Skipper (D-CS) PQS and,
 - ii. after award of Watch Captain, a minimum of *fifty six* daylight hours underway on watch of which at least 20 hours are under sail and a minimum of *twelve* night hours underway on watch of which at least 9 hours are under sail, aboard an offshore-capable sailing vessel generally greater than 30 feet in length,
 - iii. demonstrating practical knowledge to command a sailing vessel through a safe passage in designated waters,
 - iv. successful completion of written examinations, and
 - v. successful check-ride.
- d. PERFORMANCE:
 - i. Command Responsibilities

After completion of Cruising Skipper (D-CS) time and performance requirements, completed a minimum of *fifty six* hours underway on watch at least 15 nm offshore of which at least 20 hours are under sail, including a continuous passage of at least 200 nm more than 15 nm from the shore, aboard an offshore-capable sailing vessel at least 30 feet in length, demonstrating practical knowledge to command a sailing vessel through a safe offshore passage. See log.

Instructor Name _____

Instructor Signature _____ Date _____

Recommended to sit for Senior Skipper (D-SS) written examination.

Instructor Name _____

Instructor Signature _____ Date _____

Successful completion of Senior Skipper (D-SS) written examination.

Instructor Name _____

Instructor Signature _____ Date _____

Commands the boat

- a. Accepts responsibility and accountability for all actions, evolutions, and outcomes aboard the vessel.
- b. Interfaces between the boat/ crew and the external environment of weather, seas, mission, resources, other friendly or hostile elements, and obstacles.
- c. Anticipates future situations; develops a strategy for success; and resources, organizes, and trains the crew to implement that strategy.
- d. Exhibits a concurrent awareness across short, mid-term, and passage perspectives.
- e. Assigns everything which is definable; remains free to find and react successfully to the abnormal or unexpected or undefined.
- f. Sets and maintains standards.
- g. Maintains personal and crew decorum ashore and afloat.

Instructor Name _____

Instructor Signature _____ Date _____

Readiness

- Supervises readying boat for the intended voyage in designated waters.
- Remains cognizant of status of all maintenance.

Instructor Name _____

Instructor Signature _____ Date _____

ii. Supervisory Responsibilities

- Determines crew fitness to stand watch.
- Executes the ship's routine and general readiness.
- Maintains boat cleanliness and stowage.
- Supervises the performance of navigation, engineering, electrical, damage control, logistics and environment, rigging sail and deck gear, and medical.
- Supervises the preparation and execution of towing operations including being towed and towing another vessel.
- Maintains reliable, timely, short, clear communications.
- Ensures no sewage discharge in restricted waters.
- Precludes oil spills.
- Displays ensign and courtesy flags, as appropriate.
- Observes boat etiquette in nests and rafts.
- Maintains personal and crew decorum ashore and afloat.
- Controls the use of consumables.

Instructor Name _____

Instructor Signature _____ Date _____

iii. Technical Responsibilities

Navigation

- Procures, maintains and uses all charts, sailing directions, light lists, coast pilots and other publications needed underway.
- Creates route of waypoints.
- Completes the pre-sail navigation checks.
- Ensures all charts prepared.
- Ensures accurate plot of position maintained by all available means.
- Remains apprised of current and forecast weather conditions and makes appropriate course and speed adjustments.
- Reviews and corrects log daily.

Instructor Name _____

Instructor Signature _____ Date _____

ii. Supervisory Responsibilities:

Navigation

- Ensures all charts prepared and tracks laid out.
- Trains and reviews performance of navigation plotters in principles and practice of dead reckoning and celestial navigation.

Instructor Name _____

Instructor Signature _____ Date _____

iii. Sailing Responsibilities

Demonstrates preparing, raising, trimming, jibing, dousing and stowing the spinnaker and its running rigging. [Wind (kt) ____]

Instructor Name _____

Instructor Signature _____ Date _____

iv. Technical Responsibilities

Administration & Training

- Updates and publishes the watch, quarter and station bill.
- Prepares, maintains and supervises execution of watch bills.
- Prepares and executes a training plan to support program objectives.
- Develops and implements a regular schedule of training for periods underway.
- Supervises the training of navigation, engineering, electrical, damage control, logistics and environment, rigging sail and deck gear, and medical.
- Evaluates individual and crew attitude and proficiency; briefs individuals evaluated.
- Understands, trains and supervises each crew member in the performance of member's primary billet.
- Ensures bills and stowage plans are posted.
- Prepares the daily night orders for signature.

Instructor Name _____

Instructor Signature _____ Date _____

Celestial Navigation

Prepares, shoots, reduces and plots sun lines, local apparent noon, and Polaris

Instructor Name _____

Instructor Signature _____ Date _____

Engineering

- a. Operates engine, steering gear and other auxiliary equipment in a safe manner.
- b. Conducts pre-underway checks with appropriate entries in engine log.
- c. Keeps inventory of all mechanical spares.
- d. Checks engine for proper fluid levels and for seeps during operation.
- e. Supervises refuel.
- f. Supervises the care, stowage and use of potable water.

Instructor Name _____

Instructor Signature _____ Date _____

Medical

- a. Maintains and inventories medical kit.
- b. Ensures supply of seasick-friendly foods and drinks available.
- c. Ensures personal, food handling, head and boat hygiene standards are maintained.
- d. Supervises or provides application of first aid and CPR afloat.
- e. Supervises and records use of medicines.
- f. Seeks external advice for and recommends disposition of ailing crew.

Instructor Name _____

Instructor Signature _____ Date _____

Damage Control

- a. Inspects and restows damage control equipment.
- b. Inspects all safety harnesses and inflatable life vests.
- c. Inspects piping and valves.
- d. Inspects spaces for fire hazards, cleanliness and watertight integrity.
- e. Insures all thru-hulls have soft wood plugs attached with lanyard and double-clamped hoses.
- f. Operates manual and electrical bilge (and MSD pumps if equipped).
[MSD pump _____]
- g. Identifies alternate dewatering methods.
- h. Identifies emergency exit routes from cabin.
- i. Opens and secures seacocks and overboard discharges.
- j. Aligns valves for head and holding tank discharge lines.
- k. Prepares and, if necessary, implements response plans for weakened structural integrity, flooding, fire, collision, gas/ propane leak, and standing rigging failure.

Instructor Name _____

Instructor Signature _____ Date _____

Logistics and Environment

- a. Procures, receives, issues and accounts for all stores and equipment.
- b. Maintains satisfactory crew living conditions aboard.
- c. Maintains and posts the general load plan.
- d. Maintains and post the non-food stowage plan.
- e. Organizes and stores food in reefer, pantry and other spaces; posts the food storage plan.
- f. Maintains menu and develops an underway menu/ meal plan.
- g. Discusses special food procedures with the meal preparer.
- h. Controls use of propane and exchange of active bottle.
- i. Trains crew in use of stove and galley hygiene.
- j. Monitors reefer temperature and cools the reefer if necessary.
- k. Controls plastics, waste management, and overboard discharge.

Instructor Name _____

Instructor Signature _____ Date _____

After award of Watch Captain qualification, completed a minimum of *fifty six* daylight hours underway on watch of which at least *20* hours are under sail and a minimum of *twelve* night hours underway on watch of which at least *9* are under sail, aboard an offshore-capable sailing vessel at least 30 feet in length. See log.

Instructor Name _____

Instructor Signature _____ Date _____

Successful check-ride demonstration of ability to command an offshore-capable, auxiliary-powered sailing vessel through a safe passage in designated waters.

Instructor Name _____

Instructor Signature _____ Date _____

Recommended to sit for Cruising Skipper (D-CS) written examination.

Instructor Name _____

Instructor Signature _____ Date _____

Successful completion of Cruising Skipper (D-CS) written examination.

Instructor Name _____

Instructor Signature _____ Date _____