

CHAPTER 2

INDOCTRINATION AND TRAINING

2-1. INTRODUCTION.

The NAVY 44 is the principal U.S. Naval Academy Sail Training craft. The fleet was designed for and is equipped to accomplish the missions of sail indoctrination, and command seamanship training for 3/C and 1/C midshipmen and its minor configuration changes, racing by varsity offshore team crews. The normal offshore training crew consists of an Officer-in-Charge (OINC), an Assistant Officer-in-Charge (AOINC), a midshipmen skipper and executive officer, and six crew for a total complement of ten. Crew qualifications for these training and racing missions at the Naval Academy are published by the Director, by separate notice or instruction. The minimum crew for safe operation of the Navy 44 may be as few as an OINC and two qualified crew depending upon sailing area, anticipated weather and experience of other participants embarked. Guidance concerning operating the Navy 44 with limited crew, introductory/indoctrination and proficiency sailing missions is contained in the STANDARD OPERATING PROCEDURES (SOP).

2-2. CREW DESIGNATIONS, QUALIFICATIONS & REQUIREMENTS.

Persons participating in the Naval Academy Sailing program of offshore training and assigned duties involving the operation of Navy 44's shall be designated in accordance with the Chief of Naval Education and Training, OFFSHORE SAIL TRAINING MANUAL standards. Although other designations may apply to certain individuals, the following categories define levels of experience, and mastery of sailing theory, systems knowledge and operational procedures of the Navy 44's offshore training role:

Non-crew - all participants not otherwise designated as offshore crew, watch-captain or senior skipper.

Offshore Crewman - individuals who through experience and training are familiar with sail theory, safety procedures, and basic

3. Knowledge of how to comply with Rules

engineering of cruising auxiliaries similar to the Navy 44.

Watch-Captain - individuals who through experience and training have mastered theory, boat systems, and demonstrated competence in all routine aspects of operating a large offshore cruising auxiliary.

Senior Skipper - individuals who through experience and training have demonstrated their ability to command a large offshore sail training craft (NAVY 44 or equivalent) over a wide range of weather conditions, in coastwise piloting waters as well as offshore passages.

NOTE

All personnel authorized to operate, or participate in the operation of U.S. Naval Academy Sail Training Craft (Navy 44's) should be familiar with and have recent experience using the systems, emergency procedures and safety equipment applicable to the Navy 44.

2-3. FAMILIARIZATION TRAINING.

Prior to participating in the operation of the Navy 44 it is advisable to complete a period of familiarization training or some other source of structured training designed to acquaint the operator with the systems, cautions, emergency procedures and practices which are unique to this fleet of boats. In addition, those individuals who have previously been assigned as Officers-in-Charge but who have no documented Navy 44 sailing experience within the past 12 months should complete a review and refresher program consisting of applicable topics listed in the following:

Shore-side Syllabus. Review crew responsibilities and tasks aboard the Navy 44 and demonstrate a capability in the following:

1. Including use of ship's bills and checklists.
2. Discuss and complete the "float plan", or "Naval Academy Boat Request Form" for operations in the local sailing area. Inventory, location and operation of all required safety equipment. 32 through 38 of the COLREGS using

the sound signals aboard the Navy 44; and the location of lights and day shapes for compliance with Rules 20 through 31.

4. Discuss heavy weather techniques, emphasizing use of inner-forestay, running backstays and storm sails as provided to the Navy 44.
5. Discuss Quick-Stop and Lifesling type recovery procedures, noting location of applicable deck hardware, safety equipment and its location in the boat stowage plan, and materials available to effect victim recovery.
6. Discuss and demonstrate use of communications and navigation equipment. Discuss boat's fuel capacity, fuel consumption and cruising range under power.
7. Discuss the list of manuals, publications and documents included as standard load-out. Discuss the maintenance documentation system, the discrepancy report process and equipment tag-out steps.
8. Describe and discuss a plan of action for steering failure, engine failure, broken-through-hull fitting and other emergency procedures contained in Chapter 5. Underway Syllabus.
9. Demonstrate appropriate helmsman and crew coordination for departure under power: line handling, fending-off, and a recovery plan for an engine failure in a crowded basin or harbor.
10. Demonstrate ability to maneuver under sail in close quarters: short tacks and controlled jibes.
11. Demonstrate Crew Overboard procedure: evaluating ability to maintain visual contact with the victim, minimizing distance traveled away from victim, and ability to direct and deploy safety equipment.
12. Demonstrate use of check-sheets and lists for daily checks of engine, electrical, mechanical and water systems aboard the Navy 44.
13. Demonstrate safe use of galley equipment, stove, oven, and refrigeration systems.

To facilitate crew administration and preparations for summer training and race/cruise

14. Understand and demonstrate proper navigation doctrine, ensuring use of applicable tide tables, piloting and dead reckoning procedures.
15. Demonstrate the correct use of hand bearing compass, fixing boat position, estimating time/speed calculations, use of danger bearings, and other accepted plotting and labeling techniques.
16. Demonstrate heavy weather procedures: shortening sail, use of preventer, and sailing with storm sails.
17. Select an anchorage and demonstrate appropriate helmsman and crew coordination skills for anchoring under power and the ability to pick up a mooring.
18. Demonstrate correct operation of advanced electronics such as the sail instruments, SSB radio, Loran, GPS, radar and Weatherfax.
19. Demonstrate the correct hoisting, trimming, dousing and packing of the spinnaker.

2-4. WAIVERS.

The Director of Naval Academy Sailing may waive certification, or participation in the syllabus training for special cases where an individual can demonstrate the requisite knowledge and proficiency of skills for Command at Sea. USCG licensing and personal logbooks are ways, but not the exclusive avenues upon which such waivers can be granted.

2-5. UNDERWAY WATCH ORGANIZATION.

A typical underway watch organization for each of the Navy 44 mission areas can be found in the Director's Standard Operating Procedures (SOP) manual. While underway, the prescribed on-deck crew should be assigned as follows:

1. consist of a minimum of two crew topside at any given time.
2. the functions of watch-captain, helmsman, lookout and navigation should be assigned or assumed by those on watch.
3. functions may be rotated among the on watch crew as directed by the OINC/Midshipman Skipper.

periods, it is recommended that crew members be assigned to primary billets such as navigator,

engineer, supply officer, and deck officer. The duties and responsibilities of these billets are detailed in the Standard Operating Procedures (SOP) manual.

2-6. RECORDS.

The United States Navy Sailing Association provides a special sailing log analogous to the Official Naval Aviator's Log Book that is intended for recording your sailing experience and

qualifications. There are several other suitable sailing logs available for the same purpose. Regardless of which log book you may choose to use, ensure that your qualifications are noted in it as may become important for documentation.

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