

Radar Observer (Unlimited) (STRCTR-399)

Length 50 hours

Objective

To provide students with the detailed knowledge to support the training outcomes related to radar and in doing so, satisfy company, national and international regulations for candidates for certification as second mate or third mate as follows:

- STCW Code A-II/1

Upon completion of this course, the students will be knowledgeable of and have a proficiency in the following areas:

1. Basic radar theory;
2. Purpose and function of the main components that comprise a typical shipboard marine radar installation;
3. Radar performance including:
 - a) factors affecting performance and accuracy.
 - b) setting up and maintaining displays
 - c) detection of misrepresentation of information, false echoes, sea return, weather, racons, SARTS, etc.
4. Radar use including:
 - a) range and bearing; course and speed of other ships; time and distance of closest approach of crossing, meeting and overtaking ships.
 - b) identification of critical echoes; detecting course and speed changes of other ships; effect of changes in own ship's course or speed or both.
 - c) application of the International Regulations for Preventing Collisions at Sea.
 - d) Plotting techniques and relative and true motion concepts.
 - e) parallel indexing.
 - f) fixing the navigational position of own ship.

This Course is USCG Approved and STCW Compliant. The course certificate will state:

“Any applicant who has successfully completed our Radar Observer (Unlimited) (STRCTR-399) course will satisfy the training requirements of 46 CFR 11.480(d) for an endorsement as Radar Observer (Unlimited) and of 46 CFR 11.309(a)(4)(ii); 11.317(a)(3)(vi); 11.319(a)(4)(ii); and 11.321(a)(3)(vi) for STCW Code, as amended 2010, endorsements. The following practical assessments performed during the course have been determined to be equivalent of National Assessment Guidelines TASKS, as documented in NVIC 12-14: 1.4.A; 1.4.B; 3.1.A; 3.2.A; 3.2.B; 3.3.A; 3.4.A; 3.4.B; 3.4.C; 3.4.D; 3.4.E; 3.4.F; 3.4.G; 3.4.H. Any approved instructor may assess the above tasks during the delivery of the course. Applicants who have successfully completed our course need not present completed Task Control Sheets for these assessments in application for STCW certification.”

Scope

This course is intended to meet the training requirements as listed above in the USCG Approved and STCW Compliant Course Certificate section.

Entry standards

This course is open to students who have a need for such training as required by the United States Coast Guard and STCW as amended. Each student should have an STCW Certification as an “Officer-in-Charge of a Navigation Watch” or have an equivalent and experiential background, be in good physical health and speaks and understands English.

Teaching Facility

STAR Center, Dania Beach, Florida

