



Electronic Chart Display and Information System (ECDIS)

Introduction

The Operational Use of Electronic Chart Display and Information Systems (ECDIS) is a computer based navigation information system that complies with the international Maritime regulations and can be used as an alternative to paper charts. This course is intended to provide the knowledge, skill and understanding of ECDIS and electronic charts fully purposely to safely navigate vessels whose primary means of navigation is ECDIS. The course emphasizes both the application and learning of ECDIS in a variety of underway contexts.

Objectives

The purpose of this training is to provide the required knowledge, skill and understanding of the electronic navigational system to competently perform navigation. The knowledge and skill in ECDIS competencies stipulated in the STCW code is not limited to:

- Knowledge of capabilities and limitations of ECDIS operation and all indicated sub topics.
- Proficiency in operation interpretations and analysis of information obtained from ECDIS, and all indicated sub topics.
- Management of operational procedures, system files and data, and all indicated topics.

Outline

This course content will cover the following areas.

- a. Course introduction & familiarization plan
- b. Purpose of ECDIS
- c. Value to navigation
- d. Correct & incorrect use
- e. Workstation start, stop & layout
- f. Vessel position
- g. Position source
- h. Basic navigation
- i. Heading and drift vectors

Simulator exercise & open sea (basic integrated navigation)

- j. Understanding chart data
- k. Chart quality & accuracy
- l. Chart organization

Course Outcomes

After successful completion of the course the trainee will have the understanding and competency to perform navigation as a watch officer using

Electronic Chart Display and Information System (ECDIS).

Pre-requisite

The candidate needs to have completed:

- High school and be fluent with the English language, both spoken and written.
- Basic terrestrial navigation
- Familiarization in visual navigation and performed supervised bridge watch keeping duties on radar/ARPA.
- And have familiarization with personal computing, operating systems, keyboards and mice or trackballs.

Training Facilities

Classrooms will be used for lecturing and practical demonstration. Each trainee will be allocated a PC work station with the installation of type approved ECDIS.

Simulation lab will be used for all simulation training.

Certificates

The trainee will receive a certificate of competency after successfully completing all assessments for the theory and Practical demonstrations.

Miscellaneous

Candidates attending this training must be 100% in attendance.

All candidates will need to demonstrate practically their understanding of required topics to be competent.

Training Details and Costs

Duration: 5 days
Time: 08.00am to 04.00pm
Tuition Fees: TBA
Venue: PMTC, Konedobu
Min number of persons: 10 persons

For further information please contact:

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