Electronic Chart Display and Information System (ECDIS)

Scope

This 5 days course in the operational use of Electronic Chart Display and Information Systems (ECDIS) is designed to enhance the safety of navigation by providing the knowledge and skills necessary to utilize the features of ECDIS. The training and assessment incorporate the use of live marine ECDIS equipment networked with the instructor and with visual bridge simulators.

This course is designed to meet the STCW requirements for the use of ECDIS, as revised by the 2010 Manila Amendments in special regards to Tables A-II/I, A-II/2 and A-II/3. In addition the revised guidelines in Table B-I and B-II, Assessment in Navigational Watchkeeping and Evaluation of Competence are utilized in the updated program.

Objective

Trainees will become proficient in operating ECDIS equipment in a navigational context. Guided by task performance measures and standards through each lesson and exercise, and formal simulation evaluation, trainees will demonstrate skills in:

- Use, installation and correction of electronic charts,
- Validity of sensor data (including radar overlay),
- Potential errors of interpretation,
- Selecting operation settings and alarms for route monitoring
- Navigational calculations,
- Route planning, passage planning, and monitoring.
- Accessing ship's log and data playback functions, and
- ARPA and AIS functions.

Entry Standard

Prior to taking this course, trainees must have knowledge in basic computer operations.

Additionally, trainees will benefit from prior experience in:

- Collision avoidance on ARPA and radar
- Ship handling
- Bridge Resource Management
- Chart portfolio management
- Intermediate computer operations and electronic data management

Duration

5 Days

Maximum Participants

16 Trainees