

32 Hour ECDIS Course

COURSE DESCRIPTION

This course provides training in the basic theory and operation of an Electronic Chart & Display Information System (ECDIS). It examines the use of ECDIS to enhance navigation safety and its use for practical passage planning and monitoring through the safe use of the equipment, its capabilities and limitations, and effective use of Electronic Navigation Charts (ENC) and ECDIS related information.

COURSE APPROVAL

This ECDIS course is US Coast Guard-approved. A person successfully completing the course will be considered competent in accordance with STCW to:

- (1) *Plan and Conduct a Passage and Determine Position: Thorough Knowledge of and Ability to Use ECDIS* (Table A-II/1); and,
- (2) *Determine Position and the Accuracy of Resultant Position Fix: Position Determination Using ECDIS With Specific Knowledge of its Operating Principles, Limitations, Sources of Error, Detection of Misrepresentation of information and methods of Correction to Obtain Accurate Position Fixing* (Table A-II/2)

COURSE SCHEDULE

	Day 1	Day 2	Day 3	Day 4	Day 5
Morning	Basic Navigation Functions/Settings	Legal Aspects and Requirements	Updating	Status Indications, Indicators and Alarms	Back up
		Principal Types of Electronic Charts	Specific Functions for Route Planning (Open Sea)	Sensors	Documentation
			Route Planning (Open Sea)	Display of other Navigational Equipment	Route Planning (Coastal)
	Lunch	Lunch	Lunch	Lunch	Lunch
Afternoon	ECDIS data	Specific Functions for Monitoring	Errors of Displayed Data	Route Monitoring (Coastal)	Route Monitoring (Pilotage)
	Presentation of ECDIS Data	Route Monitoring (Open Sea)	Errors of Interpretation	Integrity monitoring	Final Exam and Proficiency Demonstration

COURSE REQUIREMENTS

Before entering the course, trainees should have completed a minimum of six months at sea and have gained some experience in bridge watchkeeping.

An examination will be administered on the last day of training. It will comprise a written and practical section. The written section covers ECDIS fundamentals. The practical section will require the student to properly energize and configure the ECDIS equipment; to set appropriate alarm, anti grounding and collision avoidance features; to plan and check a route; to retrieve, copy and save a route; to customize the display for contingency execution; and to demonstrate the ability to use data features.