

ECDIS training Course Structure and Session Objectives

Day 1

0900-1000 Introduction and enrolment

1000-1300 Purpose of Ecdis + Work Station familiarity

Lecturer will go through the PowerPoint on Purpose and structure of Ecdis. Then the candidates will familiarise themselves with the work station controls. After the session the candidates will have the understanding of Purpose of ECDIS, its Value to navigation, its Correct & incorrect use, Work station start, stop & layout, how to quickly locate Vessel position, identify Position source, do Basic navigation, understand the representation of Heading & drift vectors, acknowledging alarms

1330-1630 Simulator exercise – open sea (basic integrated navigation) (including 30 min debrief in the end)

Candidates will work in an open sea scenario on the workstation. After the session, the candidate will have the understanding of chart data, chart quality and accuracy, function of info button

1630-1730 Chart Types

Lecturer will go through the PowerPoint on different types of charts available. After the session, the candidate will have the knowledge of various types of electronic charts available for ecdis.

Day 2

0900-1300 Watchkeeping with ECDIS

Candidates will go through NP 231 and apply the knowledge on the Workstation. After the session, the candidate will have the knowledge of Sensors, Ports & data feeds, Chart selection, Chart information, changing the settings, Chart scaling, Information layers, chart symbols using NP 5012

1330-1730 Simulator exercise – coastal waters (including 30 min debrief in the end)

Candidates will navigate in a coastal area and go through NP 231 and apply the knowledge on the Workstation. After the session, the candidate will have the knowledge of System and position alarms, depth and contour alarms

Day 3

0900-1300 ECDIS Route Planning and Monitoring

Instructor to explain the function of route planning and monitoring on the Workstation.

After the session, the candidate will have the understanding of how ecdis uses vessel maneuvering characteristics. They will be able to understand how to do route planning by table, Route planning by chart, Track limits, Check plan for safety.

1330-1730 Simulator Exercise Coastal and restricted waters(including 30 min debrief in the end)

Candidates will navigate in a coastal area and restricted waters on the Workstation.

After the session, the candidate will have the knowledge of navigation alarms route scheduling, additional Navigational Information, activate Route schedule, find user charts in route planning, How to amend route while underway and use

Day 4

0900-1000 ARPA Overlay and Radar Function

Instructor to explain the function of ARPA and Radar overlay

After the session, the candidate will have the understanding echo referencing, target list, ARPA overlay and radar overlay. They will also be able to control radar through the ECDIS.

1000-1100 AIS overlay function

Instructor to explain the function of AIS overlay

After the session, the candidate will have the understanding AIS target list, How to filter and Poll targets.

1100-1300 Procuring and installing Charts

Instructor to explain the function of procuring and installing charts using Admiralty chart catalogue and NOAA website

After the session, the candidate will have the understanding of how to install charts on ecdis.

1330-1530 Installing chart corrections

Instructor to explain the function of installing charts corrections

After the session, the candidate will have the understanding of how to install charts corrections and also make manual corrections.

1530-1630 TIDE Function

Instructor to explain the function of Tide menu
After the session, the candidate will have the understanding of tide menu and be able to calculate tide for any given port.

1630-1730 Search and Rescue function

Instructor to explain the function of SAR menu
After the session, the candidate will have the understanding SAR menu. Be able to generate search patterns and use it to navigate.

Day 5

0900-1300 Simulator Exercise restricted waters(including 30 min debrief in the end)

Candidates will navigate in restricted waters on the Workstation.
After the session, the candidate will have the knowledge of System reset & backup and how to do archiving with ECDIS data.

1330-1430 EXAM – CBT

1430-1630 Simulator EXAM restricted waters - Underway

Candidates will navigate in restricted waters on the Workstation.
Candidates to demonstrate knowledge gained in the previous sessions.

1630-1730 Cert Issue

№	Subject Area and Topics	Total hours	Including	
			Lectures	Simulator training
1	SECTION 1. Elements of ECDIS	3.0	2.0	1.0
2	SECTION 2. <u>Watchkeeping</u> with ECDIS	10.0	3.0	7.0
3	SECTION 3. ECDIS Route Planning and Monitoring	11.0	1.0	10.0
4	SECTION 4. ECDIS Targets, Charts & System	11.0		11.0
5	SECTION 5. ECDIS Responsibility & Assessment	5.0		5.0
	Total:	40.0	6.0	34.0