

# ECDIS

## Onboard Training Modules

ECDIS is the primary means of navigation on this vessel, and as such using it correctly is critical to safe navigation. All Deck Officers must be (and remain) thoroughly familiar with the system and how to use it and to this end the company has established a familiarisation and training program for ECDIS.

### Training

The program is divided into nine modules, one of which is to be completed approximately every week (but at intervals of not more than 14 days). Training sessions should be scheduled at a time that ensures all Deck Officers will be available to participate and should last a minimum of 30 minutes (but as long as is required to properly complete the module). **This is a continuous training program**, and so when all modules have been completed training recommences for all Deck Officers at module 01.

A record of all training carried out, signed by those who participated, is to be kept on the Bridge.

### Familiarisation

New Deck Officers must have completed a shore based “type-specific” ECDIS course before joining the ship. Once onboard, however, they must demonstrate to the Master that they can operate the ECDIS unit to a satisfactory standard to ensure safe navigation.

The Company has provided an ECDIS familiarisation form for this purpose which is to be completed in the presence of the Master before a new Deck Officer takes charge of a navigational watch. An Officer who has not sailed on the vessel in the previous 12 months is considered a “new Officer” for the purposes of ECDIS familiarisation.

### Training Modules

ID	Detail
01	<p>The Basics:</p> <ul style="list-style-type: none"> <li>• legal basis of ECDIS as primary means of navigation (certificate of class)</li> <li>• how to demonstrate that the ECDIS charts are up to date</li> <li>• backup arrangements</li> <li>• power (turning on/off, shutting down correctly, sources, backup)</li> <li>• modules (overview, opening/closing, switching between)</li> <li>• dimming the display</li> </ul>
02	<p>Navi-Planner Module:</p> <ul style="list-style-type: none"> <li>• installing cells using the TADS DVDs (whole of world to be installed at all times)</li> <li>• ordering permits based on a passage plan</li> <li>• installing permits</li> <li>• creating a report of all installed cells and permits</li> </ul>

Management System

03	<p>ECDIS Module:</p> <ul style="list-style-type: none"> <li>display settings (information layers, features, setup as per standard parameters)</li> <li>contours: meaning and setup (safety contour, safety depth, shallow contour, deep contour)</li> <li>radar Overlay (setup and use)</li> <li>target management (display by (name, ID, none))</li> <li>effect of the STD display button (how does it impact the standard parameters)</li> </ul>
04	<p>Passage Planning:</p> <ul style="list-style-type: none"> <li>planning a passage a)visually, b) using the planning table</li> <li>setting up leg parameters</li> <li>checking a planned passage for dangers</li> <li>the importance of visually checking the entire passage for dangers</li> <li>drawing and removing “no-go” highlight zones (a. how to, b. when to: should be used for highlighting isolated no-go areas rather than large swathes of shallow water as this should be highlighted by the “no-go” safety contour)</li> <li>generating a waypoint report</li> </ul>
05	<p>Route Monitoring:</p> <ul style="list-style-type: none"> <li>Standard display parameters (where to find, how to set up, verifying each leg)</li> <li>Orientations, moving the display and re-centring</li> <li>Inputs used for route monitoring</li> <li>Where to locate and how to interpret GPS and track information</li> <li>Cross-checking positional accuracy</li> <li>Responding to errors and failures</li> </ul>
06	<p>Alarms and Warnings:</p> <ul style="list-style-type: none"> <li>Setting up alarm parameters (how to, where to source from)</li> <li>How alarms are displayed on the units</li> <li>Meaning of common alarms and how to respond to known and unknown alarms</li> <li>How to silence and acknowledge alarms and where to locate alarm list</li> <li>How alarms are linked to the standard settings (eg. Safety contour alarm)</li> </ul>
07	<p>Compliance:</p> <ul style="list-style-type: none"> <li>Electrician to demonstrate the location and operation of the backup arrangements, all Deck Officers to be familiar with the setup and operation of these systems</li> <li>Procedure for updating ECDIS in such a way as to ensure that inspectors can see it has been updated</li> <li>How to print a list of installed charts and permits and where to file same</li> <li>Training and familiarisation requirements for Deck Officers</li> </ul>
08	<p>Refresher Week:</p> <ul style="list-style-type: none"> <li>Master to select a module from the list above which he feels requires additional training</li> </ul>
09	<p>Refresher Week:</p> <ul style="list-style-type: none"> <li>Master to select a module from the list above which he feels requires additional training</li> </ul>

**Missed Training**

If a Deck Officer routinely misses ECDIS training sessions, the Master is to treat this as a disciplinary matter and should also inform the Ship Management Team.