

## B4 ECDIS FAMILIARISATION

Initial Preparation	Tick
Establish if the vessel is approved to use ECDIS for navigation	
Establish whether there are Company procedures concerning the use of ECDIS and ensure that these are followed	
Establish whether any passwords are needed for the management of the system and, if so, obtain the details	
Establish how one to one familiarisation is supported, such as by a CBT package and/or a built-in mode	
Identify the primary ECDIS equipment and the facilities for back-up (if the back-up is a second ECDIS of a different type to that of the primary installation, then this familiarisation checklist should be completed for both systems)	
Understand ship procedures in event of ECDIS failure	
Location of user manuals for ECDIS and its back-up	
Location of Base and Update media	
Understand the procedures to obtain additional chart permits	
Understand the position fixing systems that feed the ECDIS. Determine the method of switching between sources, such as primary and secondary position fixing systems	
Determine what other systems supply ECDIS, such as speed logs, GNSS, gyro compass, radar/ARPA (acquired targets, radar picture overlay), AIS and echo sounder. For each, establish the reference framework, e.g. ground, water or ship stabilised	
Determine where to find maintenance records related to the ECDIS and service reports, non-conformity reports and inspection, validation reports	
Determine the power supply modes and their specifications such as UPS duration	
Basic Operation	
Determine how to switch the ECDIS on and off	
Establish the function(s), position and general operation of the physical controls and switches, including cursor control, and the access and selection of menu items	
Understand how to access the main menu and select menu options	
Determine the methods for setting day/night viewing modes, brightness, contrast and colour correction	
Determine how to switch between traditional and simplified symbology	
Determine how to put equipment in route monitoring mode and route planning mode	
Determine the methods for scrolling and zooming charts, including determining the current scale of displayed charts and setting the display to a particular scale	
Determine how to select the Display Base and Standard Display	
Determine how to display other information from ENC's, including the display of All Other Information	
Determine how to check that information concerning own ship, such as dimensions, is correct	
Determine how to select the safety contour and safety depth	
Determine how to select two or four colour contour mode	
Determine how to select deep and shallow area display options	
Determine how to set all other safety parameters	
Establish how alarms and other alerts are given by the ECDIS and understand the procedure needed to acknowledge them	

<b>Electronic Charts</b>	
Determine how to access the chart directory and to identify whether charts are ENC's, RNC's or unofficial (private)	
Determine how to select a chart for display on the screen	
Determine how to load new chart licence keys	
Determine how to load base data	
Determine how to check the update status of loaded charts	
Determine how to update charts using the normal cumulative update procedures	
Determine how to apply non-cumulative or electronically transmitted updates	
Determine how to apply manual updates	
<b>Navigation Tools and Functions</b>	
Determine how to display the legend of general information	
Determine how to select information about an object using a pick report/chart query	
Determine how Category Zone of Confidence (CATZOC) information can be displayed	
Determine how to access the presentation library	
Determine what Marine Information Overlays (MIOs) are available and how to access them	
Determine the single operator action needed to remove MIOs from the display	
Determine the single operator action needed to set the Standard Display setting	
Determine how to view, add, edit and delete Mariners' Notes	
Determine how to access all navigational elements and parameters, such as past track, vectors, position lines (LOP) and anti-grounding cone (AGC)	
Establish the facilities provided for the measurement of range and bearing (e.g. EBLs and VRMs) and determine their use	
Determine the method(s) used for inserting parallel index lines	
Determine what other navigational tools are available and how to access them	
Determine how to change to using the ECDIS back-up system	
Determine the procedure for identifying and reacting to sensor/GNSS failure	
Determine how to switch chart text (text for charted objects) on and off	
<b>Route Planning</b>	
Determine how to load existing routes and enable for editing	
Determine how to initiate a new route plan	
Determine how to initiate and plan alternate routes	
Determine how to save route plan	
Determine how to add, delete and adjust graphically the position of waypoints	
Determine how to add, edit and delete critical points	
Determine how to display time varying objects relevant for the timing of the planned voyage	
Establish all the features available for planning routes, such as use of straight and curved segments, wheel over positions, turn radius, and inserting pilotage aids	
Determine the ship's procedures for displaying MSI, T&P Notices and other relevant notes into the passage plan	
Determine how to use the facilities for checking the planned route	
Determine how to load the planned route and alternatives into the back-up system	
If available, determine how to use RCDS mode where ENC's are not available and as appropriate	

Route Monitoring	
Determine how to load a pre-planned route	
Determine how to select the primary or an alternative route, and how to distinguish between them on the display	
Determine the single operator action that selects the charted display of own ship's position	
Determine the available display orientation modes, and how to switch between them (e.g. north up, head up or course up)	
Determine the available display motion modes and how to select them and change the parameters, such as the position of own ship on the display when Relative Motion is selected	
If Radar or AIS targets can be displayed on the ECDIS, determine what target vector modes are available and how to switch between and differentiate them	
Determine how to create time labels along the ship's track	
Establish familiarity with the Route Monitoring display, including the display of position, heading, course, speed and time	
Determine how to set the length of own ship's vector and intermediate time marks	
Determine how to display radar and AIS MIOs, if available	
Determine how to use the ECDIS as the input to a track-keeping autopilot (this will require reference to the autopilot handbook)	
Determine how to input lines of position (LOP) to form the reference for an estimated position (EP)	
Determine how to configure the ECDIS to use the above reference for subsequent estimated position (EP)	
Determine how to switch to dead reckoning (DR) mode and to identify when the ECDIS is in DR mode	
Determine how to use the review facilities of the voyage recorder (if appropriate and not essential knowledge prior to sailing)	

*Reference: Based on Industry Recommendations for ECDIS Familiarisation*

Bridge Team Member: ..... Date: .....

Master's Signature: ..... Date: .....