ECDIS ON BOARD FAMILIARIZATION CHECKLIST

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| --- | --- | --- | --- | --- |
| Vessel: |  |  | Date Generic Training: |  |
| ECDIS Manufacturer: |  |  | Model Type / Number: |  |

This Familiarization Form is to be completed within the specified time lines:

-  Complete the checks before the Officer stands his first Navigation watch as Officer of the Watch (OOW).

- Questions highlighted in Grey: Within 72 hours of joining the vessel and the form signed-off by the Master.

- This checklist was devised for use on Chartworld ECDIS, Model: eGlobe2

| 1.  Initial Preparation | | Comments | Tick () |
| --- | --- | --- | --- |
|  | Confirm familiarity with ECDIS procedure/forms in SMS |  |  |
|  | Establish location of Main and Backup ECDIS |  |  |
|  | Know the Location of Marker user manual and OFS (Offline Familiarization software) |  |  |
|  | Know the emergency procedures in case of ECDIS Data Input Failure |  |  |
|  | Determine what sensors have been interfaced with the ECDIS and list them under remarks |  |  |
|  | In the Task Bar ‘System Setting’, determine where to locate the system compliance, software version and license information |  |  |
|  | Determine where Chartbrowser is installed |  |  |
|  | Determine Main and Emergency sources of power to Primary and Backup sets. |  |  |
|  | Determine location of Base and Update media (USB flash drives) |  |  |
|  | Establish whether or not ECDIS is used as primary means of navigation. Specify under remarks. |  |  |
|  | Familiarize yourself with touch, mouse and keyboard functionality. |  |  |

| 2.  Functionality Checklist | | Comments | Tick () |
| --- | --- | --- | --- |
|  | Determine how to switch the ECDIS on and off |  |  |
|  | Access the Integrator Window and understand the functions of File Manager, Replay mode, Update software, Navigation Mode, Service Menu and System Shutdown buttons. |  |  |
|  | Understand the general colour code used in the eGlobe2 – Red, Yellow, Orange, Green, Grey and Blue |  |  |
|  | Determine the methods for setting day, Dusk and night viewing modes, brightness, contrast and colour correction and How to establish the optimum brilliance. |  |  |
|  | Understand how and when to use the ‘Block Screen’ |  |  |
|  | Determine the methods for scrolling and zooming charts, including determining the current scale of displayed charts and setting the display to a particular scale. |  |  |
|  | Understand the data displayed in S-Mode. (S-Mode Must not be confused with Sailing mode or Standard display) |  |  |
|  | Establish the difference between Alarms and warnings. Understand how to enable ‘Auto Show’ alarms and how to read and acknowledge them. |  |  |
|  | Understand various settings available under Traffic settings. ARPA/AIS Targets, Targets association, Alert/warnings and  Route rendezvous |  |  |
|  | Determine how to select the Chart Setting for Base,Standard, All and Custom Display |  |  |
|  | Familiarize yourself with EBRL setting – data display, use only as EBL or as VRM, relative data, lock function and delete method. |  |  |
|  | Determine how to select the Safety/Shallow/Deep contour and Safety depth |  |  |
|  | Determine how to input the factors influencing the watchdog alarm such as: Minimum speed and distance, Port and Stbd angle |  |  |
|  | Determine how to set the height of overhead obstruction. (Be aware that Alarm may or may not be generated for overhead obstructions) |  |  |
|  | Setting and selecting of the Alarm areas |  |  |
|  | Determine how to set local time |  |  |

| 3.  Charts | | Comments | Tick () |
| --- | --- | --- | --- |
|  | How to use the ChartBrowser to manage chart, create a route, ordering, receiving new chart permit and receiving updates. |  |  |
|  | Determine how to access the chart loader for Chart loading/updating for the memory stick/disk |  |  |
|  | Understand error messages displayed after loading or updating ENC permits or data. |  |  |
|  | Determine how to check the update status of installed charts |  |  |
|  | Determine how to check the chart inventory for expiry dates and last update done and how to compare Chart loader and Chartbrowser data. |  |  |
|  | In the Chart Loader taskbar, know how to use the ‘Review Updates’ to inquire the latest updates applied to the charts |  |  |
|  | Determine how to use the ‘User chart’ to add notes, objects, and text. |  |  |
|  | Determine the use of the Manual Updates to update/overlay the information onto the ENCs and to plot T&P notices and Navarea warnings. |  |  |
|  | Know how to insert and delete marks on ECDIS. |  |  |
|  | Know where to obtain details of chart legends and symbols |  |  |
|  | Know how to generate a report for the complete Chart Inventory to obtain from File Manager |  |  |
|  | Understand how to update the Admiralty ENC Maintenance Record - NP133C |  |  |
|  | Determine how Zone of Confidence (CATZOC) information can be displayed. |  |  |
|  | Know how to use the AIO function and the different colours used for representing the type of notice/information. Learn how to obtain detailed information in the AIO using the Pick report. |  |  |
|  | Determine how to obtain Magnetic variation at a given position |  |  |

| 4.  Navigation Tools and Functions | | Comments | Tick () |
| --- | --- | --- | --- |
|  | Determine how to zoom in and out. |  |  |
|  | Access “Nav” tool to view and edit own ship, anti-grounding and Route information |  |  |
|  | Setting up for GPS and Dead Reckoning position and how to reset DR on obtaining a FIX. |  |  |
|  | Determine how adjust the screen layout in the Sailing Mode to enable Split screen, Orientation, Relative and True motion, Head up/North Up and Ship Frame. |  |  |
|  | Determine how to display the legend of general information e.g. North Arrow, scale bar, range widget |  |  |
|  | Determine how to select information about an object (Pick report) |  |  |
|  | Establish the facilities provided for the measurement of range and bearing (e.g. EBRL and cursor) and determine their use |  |  |
|  | How to display Bow/Stern speed |  |  |
|  | Determine how to set minimum sounder depth |  |  |
|  | Determine how to change vector length, track duration and to activate outline. |  |  |

| 5.  Route Planning | | Comments | Tick () |
| --- | --- | --- | --- |
|  | Determine how to graphically add, delete, move and adjust position of waypoints |  |  |
|  | Determine how to add annotation and show details of way point |  |  |
|  | 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 and duplicate route plans |  |  |
|  | Determine the method(s) used for inserting Parallel Index lines. |  |  |
|  | Determine how to combine and reverse routes. |  |  |
|  | Determine how to use the ‘Check Route’ facilities for safety check (verifying) the planned route for any dangers and alarms and how to determine the time of last safety check. |  |  |
|  | Determine how to save route as text file and access it from File Manager. |  |  |
|  | Determine how to copy certain values like speed, turning radius, leg-type to all previous or all subsequent waypoints. |  |  |
|  | Determine how to place danger zones and cautions along a route (NO-GO areas, Change of Engine status etc) |  |  |

| 6.  Route Monitoring | | Comments | Tick () |
| --- | --- | --- | --- |
|  | Determine how to activate and use the planned route |  |  |
|  | Determine how to manage and change the own Profile |  |  |
|  | Determine the available display orientation modes and how to switch between them (e.g. North Up, Head Up, 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 and differentiate between them |  |  |
|  | Determine how to input LOP for determine ship’s position and using combined Bearing and distance LOP. Learn the difference between EP and FIX. |  |  |
|  | Determine how to select Primary and secondary sources of position fixing, how to display secondary position on screen and how to set an alarm for variance between Primary and secondary position. |  |  |
|  | Establish familiarity with the Route Monitoring display, including the display of position, heading, course, speed and time |  |  |
|  | Monitoring vessel position using the Echo Reference to cross-check GPS position |  |  |
|  | Determine how the configure the route alarm setting/limit |  |  |
|  | Understand the monitoring of the routes using the XTD |  |  |
|  | Understand various Toolbars and info labels available under settings and how best to use them. |  |  |
|  | Determine how to use the page ‘Watch Handover’ information to facilitate handing over of navigational watch. Determine how to save and subsequently access them from File manager. |  |  |
|  | Locate the Scale widget in Sailing mode to change the chart scale |  |  |
|  | Determine the frequency of repeated safety checks required as per Company policy/Master’s standing instructions |  |  |

| 7.  Other | | Comments | Tick () |
| --- | --- | --- | --- |
|  | Service Menu in the Start-up screen – Vessel is not the change the settings (Integrator) |  |  |
|  | Using the File Manager to save previous route and profiles |  |  |
|  | Able to manage, play and export the recordings made from the Replay Mode |  |  |
|  | Determine how to demonstrate/verify correct functioning of mandatory alarms |  |  |
|  | Learn how to replace ECDIS hard drive. |  |  |
|  | Determine how to install, use and delete raster (ARCS) charts. |  |  |
|  | Learn about the functions and limitations of EPFS interfaced with ECDIS (HDOP, Signal-noise ratio, Chart datum etc) |  |  |
|  | Study and, if required, review JHAs with regard to use of ECDIS as means of navigation. |  |  |
|  | Complete training on OFS |  |  |

I have fully understood the familiarization training given and may request for more training as when requested.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name: |  |  | Rank: |  |
| Signature: |  |  | Date of Completion: |  |
| Master’s Signature: |  |  |  |  |