

ECDIS - Additional remarks regarding the IHO Check Data Set

References

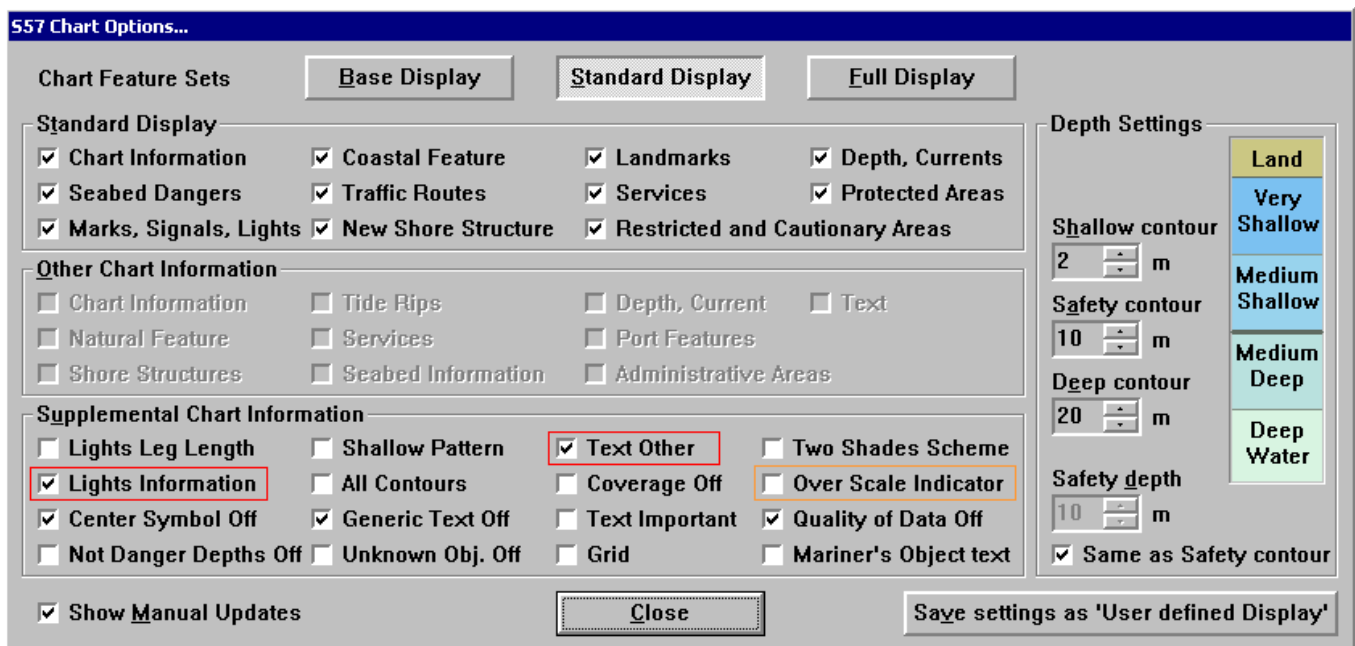
- IHO ECDIS Data Presentation and Performance Check in Ships (IHO Check Data Set)
 - ECDIS_check-Instructions_for_Mariners.pdf
 - ECDIS_check-Reporting_form.pdf
- IHO S-64 – Test Data Sets for ECDIS Ed. 2.0.0
- IHO S-52 Ed. 6.0 Annex A – IHO ECDIS Presentation Library for ECDIS Ed. 3.4
- Raytheon Anschütz ECDIS SW NB44-006 E04.12 or higher

General display settings

In § 2.7 is stated that all Text Display attributes shall be set to on for the tests.

For the Raytheon Anschütz ECDIS please apply the settings for Standard Display and then open the *S57 Options – Overlays – Options* Menu and activate the settings for *Text Other* and *Lights Information* as shown in the picture below (highlighted in red).

In order to reduce screen clutter and to concentrate on the tests the *Over Scale Indicator* should be deactivated (highlighted in orange).



Check 1 – Display of navigation areas recently recognized by the IMO

No ambiguity, not additional preparation required.

Check 2 – Display of complex lights

The Raytheon Anschütz ECDIS is displaying the interval of the light with one decimal digit (2.5s instead of 2s) which is more than the minimum requirement (see second note in this test).

Check 3 – Display of underwater features and isolated dangers

The Raytheon Anschütz ECDIS is displaying a ‘?’ together with some of the symbols to indicate low accuracy as described in the note to this test.

After switching to Full Display for Test 5, in order to reduce screen clutter, the Over Scale Indicator should be switched off and the Quality of Data Off setting should be activated.

Check 4 – Detection of objects by route checking in voyage planning mode

The Raytheon Anschütz ECDIS is consolidating the results of the route check to have a single indication for multiple occurrences of the same type of object within the route boundaries. Hence there will always be only one indication that the route intersects Land Area, even though there are several Land Area objects.

In order to prove that all Land Area Object are detected correctly, it is necessary to create shorter routes covering only one of the Land Areas (1), (3) and (6) at a time (as stated in 4. “... If it is unclear whether the system has checked the whole route or has stopped at the first feature, it may be necessary to run a shorter route over each object in turn, to see if it is detected.”)

Please keep in mind that the start point and the end point themselves are also Land Areas.

The Raytheon Anschütz ECDIS does not show the isolated danger symbol on the Obstruction symbol (4) as shown in Figure 7. There is no requirement to indicate this Obstruction as an isolated danger. According to S-52 IHO ECDIS Presentation Library Ed. 3.4 there is no need to show the isolated danger symbol on this obstruction.

The checks for display of underwater features and isolated dangers (Check 3) have all been passed as well as the test in the official S-64 IHO Test Data Sets for ECDIS.