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S-64 Ed. 3.0.1 – SevenCs Remarks

Introduction

The implementation of the new edition 4.0 of IHO S-52 Presentation Library and the new edition 3.0 of the IEC 61174 standard into the EC2007 ECDIS Kernel was checked by means of the new edition of the S-64 Standard.

- S-64 Edition 3.0.1, Instruction Manual, June 2015
- S-64 Edition 3.0.1, ENC Unencrypted TDS, June 2015

During the test following questions and remarks came up.

3.1.4 - Display Category Standard plus individual viewing groups

The Test ENC AA5STNDR does not contain a land area at the bottom.

3.1.4 - Chart scale boundaries

Chart scale boundary is not displayed in plot.

3.1.6 - Other Text

Text of current velocity is missing in plot. Currents belong to “Other text” as well.

3.2.1 b - Display of Invalid Objects

The description only requires GB5X01NE but image shows also GB4X0000.

3.3.9b- Display of additional Chart Information Symbol

Also the LNDMRK and RDOCAL objects have a INFORM attribute.

3.6.2 - Same priority

The fog signal in the bottom middle pylon is linked to the upper left connected node of the pylon object. Therefore it is displayed as a point fog signal at that position and not in the center of the pylon.

3.6.7 Display of unknown symbols

Unknown objects are missing in test chart.

3.9.1/2 - Display of ENC Data up to 85 degrees

The restricted areas shown in the plots do not exist in the charts.

5.1 - Detection and Notification of Navigational Hazards

- Isolated danger symbols are not shown in un-surveyed areas according to S-52, Ed.4, 13.2.19, CSP UDWHAZ05
- Area Obstructions with a depth value (VALSOU) are not color-filled according to S-52, Ed.4, 13.2.5, CSP OBSTRN07, Continuation C. This is related to the previous point, too.

5.2 - Detection and Notification of Navigational Hazards

- The display of the safety contour in the image does not fit to the safety contour of 0m in the setup, e.g. a depth area 20 to 30 is displayed as unsafe water.