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IHO COLOUR & SYMBOL SPECIFICATIONS FOR ECDIS
S-52 Appendix 2 - Edition 4.2, March 2004

and its Annex A:

IHO PRESENTATION LIBRARY - Edition 3.3, March 2004

Reference: IHB Circular Letter 49/1997 dated 23 October 1997.

Dear Hydrographer,

Attached is a CD containing new editions of IHO Publication S-52 Appendix 2 "*IHO Colour & Symbol Specifications for ECDIS*" (C&S Specs) and of its Annex A "*IHO Presentation Library*" (PresLib), both dated March 2004.

The C&S Specs and PresLib comprise a set of specifications, plus a symbol library, colour tables, look-up tables and symbolization rules, which link every object class and attribute of the SENC* to the appropriate presentation on the ECDIS display.

The C&S Specs and the PresLib form Appendix 2 to IHO Publication S-52 "*Specifications for Chart Content and Display Aspects of ECDIS*". The PresLib provides details and procedures for implementing the display specifications contained in the C&S Specs by decoding and symbolizing the elements of the SENC. S-52 App.2 is structured as follows:

COLOUR & SYMBOL SPECIFICATIONS

- Annex A - **IHO ECDIS Presentation Library**
 - **Word-processed Presentation Library**
 - **Part 1** Chart objects
This includes a Users' Manual, special symbology instructions, Look-up Tables, Conditional Symbology Procedures, Colour Tables, Chart 1, symbol plots, symbol meanings and colour test diagram.
 - **Part 2** Mariners' Navigational objects
This includes Mariners' object classes and attributes, and their symbolization.

* System Electronic Navigational Chart : data held in the ECDIS system resulting from the transformation of the Electronic Navigational Chart (ENC) for appropriate use.

- **Addendum Symbol Library**
This gives a diagram for each symbol followed by cross-references to INT 1 where these exist.

- **Digital Presentation Library, and other software**
This includes a symbol library, colour tables and look-up tables, as .dai files; ECDIS chart 1 and colour test diagram; special-purpose look-up tables; CRT calibration software; and a 'C' program LITDSN.
 - Annex B - **Procedure for initial calibration of colour CRTs**
 - Annex C - **Procedure for maintaining the calibration of CRTs**

S-52 App.2 is maintained by the IHO Colours and Symbols Maintenance Working Group (C&SMWG) [of the Committee on Hydrographic Requirements for Information Systems - CHRIS]. Changes to the C&S Specs and PresLib, resulting from meetings C&SMWG 13 (2001) and 14 (2003), have been recapitulated in Maintenance Document No 4, also included on this CD, to point out where these changes have been applied in producing C&S Specs ed. 4.2 and PresLib ed. 3.3.

Regarding the PresLib, its overall structure has changed little since 1992, but many changes in detail have been made and this edition 3.3 marks a considerable change in format. The Symbol Library is now specified in hard-copy format with the offsets of the pivot point specified explicitly, a major development carried out by Hochschule Wismar, Fachbereich Seefahrt Warnemunde, funded by the German HO (BSH). The entire PresLib is now published in man-readable form as a word-processed file, and this is the authoritative "official" version. The digital version (.dai file) is provided as a manufacturer's option for edition 3.3, but may not be available for succeeding editions. Its continued existence will depend on a voluntary provider (Furuno-Navintra in the case of edition 3.3). The same change applies to the ECDIS Chart 1.

The IHB is most grateful to all those who have contributed to the preparation of these new editions, with special thanks to the BSH and Mr. Mike Eaton (Canada) for their continuous support.

On behalf of the Directing Committee
Yours sincerely,

(original signed)

Rear Admiral Kenneth BARBOR
Director

Encl: PresLib CD