



IHB File No. S3/8151/CSMWG

CIRCULAR LETTER 29/2008  
20 March 2008

**NEW EDITIONS of S-52 APPENDIX 2 and its ANNEX A - PRESENTATION LIBRARY**

Reference: CL25/2004 dated 21 April

Dear Hydrographer,

1 Edition 4.3 of IHO Publication S-52 Appendix 2 "*IHO Colour & Symbol Specifications for ECDIS*" (C&S Specs) and Edition 3.4 of its Annex A "*IHO Presentation Library*" (PresLib), both dated January 2008 has now entered force. Copies on CD will be provided to all Member States and to other organizations that have previously purchased the superseded editions. New purchasers of the S-52 CD will be charged 500 Euros per copy. These fees will be used to finance and support the necessary maintenance of the PresLib.

2 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.

3 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.  
✓ **Addendum to Part I**  
This provides a diagram for each symbol followed by cross references to INT 1 where these exist.
    - **Part 2** Mariners' Navigational objects  
This includes Mariners' object classes and attributes, and their symbolization.

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

- **Digital Presentation Library, and other software**

This includes a symbol library, colour tables and look-up tables, provided as a .dai file; 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**

4 S-52 App.2 is maintained by the IHO Colours and Symbols Maintenance Working Group (CSMWG). CSMWG is a subordinate body of the Committee on Hydrographic Requirements for Information Systems – CHRIS.

5 Changes to the C&S Specs and PresLib, formulated at meetings CSMWG 15 (2005), 16 (2006) and 17 (2007) have been included in Maintenance Documents (MD) Nos 5 and 6, also included on the S-52 CD, to indicate where these changes impact upon C&S Specs ed. 4.3 and PresLib ed. 3.4. MD No 5 provides the symbology developed by CSMWG to display the new objects and attributes introduced by the S-57 Supplement No. 1 (Edition 3.1.1) to accommodate newly introduced IMO features such as Particularly Sensitive Sea Areas (PSSAs) and Archipelagic Sea Lanes (ASLs). MD No 6 includes all changes resulting from the revised Performance Standards for ECDIS which were adopted by IMO in December 2006.

6 The authoritative “official” IHO Symbol Library is provided in a readable form as a word-processed file which forms the Addendum to Part I. The digital version (.dai file) is provided as a manufacturer's option. The new edition of the .dai file, like its predecessors, was created for the IHO gratis by Furuno Finland; however, this may not be possible for future editions. The continued existence of a machine-readable Preslib will depend on a suitable provider being found.

7 The new editions of the C&S Specs and the PresLib supersede the previous editions which were announced by the reference.

8 The IHB is most grateful to all those who have contributed to the preparation of these new editions, with special thanks to the BSH, US-NOAA, AHS and Furuno Finland for their continuous support.

On behalf of the Directing Committee  
Yours sincerely,



Captain Robert WARD  
Director

Encl: S-52 CD