

14th CHRIS MEETING
Shanghai, China, 15-17 August 2002

STATUS OF IHO PUBLICATIONS ON ECDIS
(August 2002)

1. IHO S-52 - SPECIFICATIONS FOR CHART CONTENT AND DISPLAY ASPECTS OF ECDIS, 5TH EDITION, DECEMBER 1996

Main document.

English version distributed to Member States with IHB CL 2/1997.

A French version of S-52 has been produced and distributed to Member States with IHB CL 47/1998.

This edition has been revised as a result of the adoption by IHO Member States of the SENC delivery option (Decision by IHC/16, April 2002). The amended S-52 is available from the IHO website (www.iho.shom.fr).

S-52 includes four separate appendices, which are as follows:

.1 Appendix 1 - Guidance on Updating the ENC, 3rd Edition, December 1996

English version distributed to Member States with IHB CL 15/1997.

A French version has been produced and distributed to Member States with IHB CL 54/1998.

.2 Appendix 2 - Colour and Symbol Specifications for ECDIS, Edition 4.1, April 1999

English version of the 4th Edition was distributed to Member States with IHB CL 53/1997. This edition was then amended in 1999, as a result of a C&S immediate amendment, and it was then re-numbered Edition 4.1.

A new edition 4.2 is under preparation and is planned for publication before end 2002.

French version still under preparation.

S-52 Appendix 2 includes the following Annex A, which is published separately:

Annex A - IHO ECDIS Presentation Library, Edition 3.2, March 2000

Edition 3.0 of the PL was distributed on CD-ROM to Member States with IHB CL 49/1997. As a result of C&S immediate amendments, Editions 3.1 and 3.2 were subsequently produced in 1999 and 2000, respectively.

A new edition 3.3 is under preparation and is planned for publication before end 2002.

The CD-Rom PL is on sale from the IHB at the cost of 1,500 Euros. This relatively high price is intended for recovering part of the cost of developing the PL and to make provision for funding its future maintenance.

S-52 Appendix 2 and its Appendix A, i.e. the PL, are maintained by means of Maintenance Documents which are produced from time to time under the authority of the IHO Colours and

Symbols Maintenance WG and placed on the IHO website (www.iho.shom.fr). MDs contain amendments to S-52 Ap.2 and/or the PL, which are classified as "immediate" or "deferred" depending on their importance for the safety of navigation.

C&S **MD1**, including Immediate Amendment 01 was posted on the IHO Website in April 1999. As a result, the new edition of the PL was re-numbered 3.1. C&S **MD2**, including Deferred Amendments 02 and 03 was posted on the IHO Web-site in October 1999. C&S **MD3**, including Immediate Amendment 04 and Deferred Amendment was posted on the IHO Web-site in March 2000. As a result, the new edition of the PL was re-numbered 3.2.

A Users' Manual for the PL has been produced. It includes a Part 1 "Use of the PL", a Part 2 "mariners' Navigational Object", and a Part 3 "Additional features". **Edition 3.2 of the PL Users' Manual** is available from the IHO website (English only).

A hard copy addendum to the PL has also be produced and is intended for those who prefer not to use the digital PL. This addendum, which contains an ECDIS chart 1, symbols arranged alphabetically, and colour test diagrams, is distributed separately from the CD-Rom and has been included in the 4th edition of S-52 Appendix 2.

.3 Appendix 3 - Glossary of ECDIS-Related Terms, 3rd Edition, December 1997

English version distributed to Member States with IHB CL 12/1998. Also available to the general public from the IHO Web-site.
French version still under preparation.

.4 Appendix 4 - IHO Test Data Sets for use with IEC 61174

Under preparation.

Will contain sample ENC data and its updates on CD-ROM as well as the associated graphical representations of the ECDIS display. The IHO TDS will also include sample RNC data in the two formats in use within the IHO, i.e. HCRF (ARCS) and BSB. They are intended for use in conjunction with the Standard IEC 61174 (2nd Edition, August 2001) for ECDIS testing and certification/type approval. The IHO TDS are advertised on the IHO Website.

The ENC Test Data Set (TDS) was produced by the UKHO, on behalf of the IHO. The current version 2.0 is dated June 2001. The HCRF (ARCS) RNC TDS was also produced by the UKHO and made available to the IHB in September 2001. The BSB RNC TDS was produced by Maptech, Inc. (US-NOAA partnership) and made available to the IHB in September 2001. The ENC TDS is available from the IHO website, while the two RNC TDS are available on CD-ROM from the IHB on request. See also CHRIS-14-10A.

S-52 Appendix 4 on CD-ROM will also include graphical representations associated with the ENC TDS, as digital colour plots. Navintra-Furuno has kindly offered to produced these plots, after the new Edition 3.3 of the IHO Presentation Library has been released (expected before end 2002). There will be two sets of graphical plots, i.e. based on S-57 Editions 3.0 and 3.1 respectively.

2. IHO S-57 - IHO TRANSFER STANDARD FOR DIGITAL HYDROGRAPHIC DATA, EDITION 3.1, NOVEMBER 2000

Edition 3.1 of S-57 was published in November 2000 and will be frozen until further notice. Edition 3.0, dated 1996, remains valid for the time being (in addition to Ed 3.1), in order to

give time to ECDIS manufacturers and software developers to upgrade their systems to Ed 3.1 (although Ed 3.1 was made available a year in advance, i.e. in November 1999, precisely for that purpose).

S-57 Ed 3.1 contains limited changes from Ed 3.0, incorporating approximately forty additional attribute values but no other new information.

S-57 has been maintained by means of a **cumulative Maintenance Document**, which is promulgated **on the IHO Web-site** following TSMAD meetings. It included clarifications, corrections and extensions to S-57, although only clarifications apply to the current edition of the Standard. At the December 2001 meeting of TSMAD it was decided that:

1. No more new editions of the Maintenance Document will be published after MD8 (published in March 2002);
2. No more new editions of S-57 Appendix B.1 Annex A "Use of the Object Catalogue for ENC" will be published after Edition 2.1 (published in April 2002);
3. S-57 Appendix B.1 Annex C "Recommended ENC Validation Checks" will be removed from S-57 and published as a stand alone document, S-58.

The IHB website will be amended shortly to reflect these changes.

The S-57 documentation is available in English only. Edition 3.1 is distributed on CD-ROM. A booklet accompanies the CD-ROM and provides general information on the Standard.

3. IHO S-61- PRODUCT SPECIFICATION FOR RASTER NAVIGATIONAL CHARTS (RNC), 1ST EDITION, JANUARY 1999

An amendment to the IMO Performance Standards for ECDIS was adopted in December 1998, allowing the use by ECDIS of RNCs where there is no ENC coverage. Accordingly, a Product Specification for RNCs was developed by the IHO and is contained in S-61.

English version distributed to Member States with IHB CL 13/1999.
