

12th CHRIS MEETING
Valparaiso, Chile, 23 – 25 October 2000

STATUS OF IHO PUBLICATIONS ON ECDIS
(October 2000, by Michel Huet, IHB)

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.

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, 4th Edition, July 1997

English version distributed to Member States with IHB CL 53/1997.

French version under preparation.

This document includes the following Annex A, which is published separately:

Annex A - IHO ECDIS Presentation Library, Edition 3, July 1997

Edition 3.0 of the PL is available on CD-Rom. Distributed to Member States with IHB CL 49/1997.

The CD-Rom PL is on sale from the IHB at the cost of 10,000 FF. 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 Web-site (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 under preparation.

.4 Appendix 4 - IHO ENC Test Data Set for IEC

Under preparation.

Will contain sample ENC data and its updates on CD-ROM as well as the associated graphical representations of the ECDIS display. They are intended for use in conjunction with the Standard IEC 61174 for ECDIS testing and certification/type approval.

The digital part of the IHO ENC Test Data Set (sample ENC data and updates), dated June 1998, is available from the IHO Website. It is planned to prepare a new version which will include additional objects/attributes deemed necessary as well as new data to satisfy Edition 3.1 of S-57 (see CHRIS/12/8.1A). Some errors identified in the current version will also be corrected. In addition, sample RNC data will be included. The work will be carried out by the UKHO, on behalf of the IHB, in collaboration with several national HOs, OEM and QA software developers.

Graphical representations have been produced by NDI under contract to the IHB.

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

Edition 3.0 of S-57 was published in November 1996 and was frozen for a period of four years.

A **limited new edition of S-57, Edition 3.1**, will come into force in **November 2000**, which will incorporate approximately forty additional attribute values but no other new information. It was made available a year in advance (November 1999), to allow data producers and equipment manufacturers to familiarize themselves with the new contents. It is planned that, following its publication, Edition 3.1 will remain frozen until at least November 2002.

S-57 is maintained by means of a **cumulative Maintenance Document**, which is promulgated **on the IHO Web-site** following every TSMAD Meeting. The latest MD was produced in June 2000. It included clarifications, corrections and extensions to S-57. Only clarifications apply to the current edition of the Standard.

In addition, some parts of S-57, i.e. the "Use of the Object Catalogue for ENC" and the "IHO Codes for Producing Agencies", are maintained by means of new editions. These new editions are posted on the IHO Web-site.

It is planned to incorporate in Edition 3.1 two new documents which are being finalised: 1) A List of IHO Recommended Tests for ENC Validation; and 2) An INT1/S-57 Cross-reference Document (see CHRIS/12/13.1A).

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. Edition 3.1 is also available from the IHO Website, to IHO Member States and to those who have subscribed.

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 ../1999.