

Appendix: References and glossary



Facts about electronic charts
and carriage requirements
2nd edition 2007

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Appendix: References and glossary

References

- International Convention for the Safety of Life at Sea (SOLAS), 1974 as amended
- IMO Resolution A817(19): Performance Standards for ECDIS;
- IEC 61174 (2001-10): Electronic chart display and information system (ECDIS) - Operational and performance requirements, methods of testing and required test results
- IEC 60945: Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results;
- IEC 61162: Navigation interfaces – Methods of testing and required test results;
- IHO S-57: IHO Transfer Standard for Digital Hydrographic Data, edition 3.1;
- IHO S-52 Appendix 2: IHO Colour and Symbols Specifications for ECDIS, edition 4.2;
- IHO S-61: IHO Product Specification for Raster Navigational Charts, edition 1.0;
- IHO S-62: IHO Codes for producing Agencies; and
- IHO S-63: IHO Data Protection Scheme, edition 1.0.

Most recent information on latest versions of documents mentioned above, please consult web site of issuing organisation.

International Maritime Organisation www.imo.org

International Hydrographic Organisation www.iho.int

International Electrotechnical Commission www.iec.ch

Glossary/list of abbreviations

Abbreviation	Explanation
AIS	Automatic Identification System
ARPA	Automatic Radar Plotting Aid
BIMCO	The worlds largest Association of shipowners and others representing more than 65% of the worlds tonnage
BSB	Raster data format used by e.g. USA and Canada
ECDIS	Electronic Chart Display and Information System.
ECS	Electronic Chart System (non complying with SOLAS requirements)
ECS charts	Non official (private) chart data (vector or raster)
ENC	Electronic Navigational Chart
GPS	Global Positioning System

HCRF	Hydrographic Chart Raster Format
Hydrographic Office	National Hydrographic Office.
IC-ENC	International Centre for ENC's, RENC operated by UK Hydrographic Office
IEC	International Electrotechnical Commission
IHO	International Hydrographic Organisation
IMO	International Maritime Organisation
ISM	International Safety Management Code
ISO	International Organization for Standardization
Primar Stavanger	RENC operated by Norwegian Hydrographic Office
PSC	Port State Control
PSCO	Port State Control Officer
RCDS	Raster Chart Display System
RENC	Regional ENC Coordination Centre
RNC	Raster Navigational Chart
RTCM	Radio Technical Commission for Maritime Services
S-52	IHO's special publication No. 52. IHO Colour and Symbols Specifications for ECDIS
S-57	IHO's special publication No. 57. IHO Transfer Standard for Digital Hydrographic Data
S-61	IHO's special publication No. 61. IHO Product Specification for Raster Navigational Charts IHO's special publication No. 62.
S-62	IHO Codes for producing Agencies
S-63	IHO's Special publication No. 63. IHO Data Protection Scheme
SATCOM	Satellite Communication
SENC	System ENC
SOLAS	International Convention for the Safety of Life at Sea
WEND	World ENC Database
WGS84	World Geodetic System 1984

Further reading

Paris MOU. 2001. Guidelines for PSCOs on Electronic Charts. TF18/TEG, Paris MOU in Port State Control, The Hague, Netherlands.

IMO STCW. 1995. International Convention for Standards for Training, Certification and Watchkeeping (STCW); Consolidated text of the 1978 STCW Convention with the Final Act of the 1995 Conference of Parties. International Maritime Organization, London.

Safety at Sea International, Vol 40 No 445

Falling short on ECDIS training, Primar Stavanger Newsletter Summer edition 2006

"The Electronic Chart - Functions, Potential and Limitations" by H.Hecht, B. Berking, G. Büttgenbach, M. Jonas, L. Alexander: (GITC Publisher; 2nd edition; 2006; ISBN: 90-806205-1-3)

Endorsement of this document

The following nations have checked and endorsed the information provided in this section:

- Cyprus
- The Danish Maritime Administration;
- The Finnish Maritime Administration, Maritime Safety Department;
- The France Maritime Administration, Ministry of Infrastructure, Transport, City Development, Tourism and the Sea, Department of Maritime Affairs and Seafarers;
- The German Ministry of Transport, Building and Housing;
- The Norwegian Maritime Directorate;
- The Swedish Maritime Administration, Department for Maritime Policy and Public Affairs; and
- The United Kingdom Maritime and Coastguard Agency.