

11th CHRIS MEETING
IHB, Monaco, 16-19 November 1999

COLOURS AND SYMBOLS MAINTENANCE WORKING GROUP (C&SMWG)

DRAFT TERMS OF REFERENCE

(prepared at the C&SMWG Meeting, 10-12 November 1999)

1. *Objective*

To maintain IHO specifications for colours, symbols and display rules used to show SENC information on ECDIS in a safe and ergonomic manner.

2. *Authority*

This WG is a subsidiary of the Committee on Hydrographic Requirements for Information Systems (CHRIS). Its membership and decisions are subject to CHRIS approval.

3. *Procedures*

a) The WG should:

- (i) Maintain Appendix 2 of IHO Special Publication S-52 and its accompanying Presentation Library, by preparing and promulgating maintenance documents when required.
- (ii) Monitor the operational performance and development of IHO specifications, progress in display technology, and human perception analysis.
- (iii) Coordinate technical exchange between C&SMWG, ECDIS manufacturers and ECDIS user community.
- (iv) Consider new topics and other applications affecting electronic chart display, and draft the relevant extension documents.
- (v) Propose new topics and other applications for consideration by CHRIS.
- (vi) Draft new editions of S-52 Appendix 2 as instructed by CHRIS.
- (vii) Provide and maintain a framework for display of SENC information that is feasible and practicable within available technology.
- (viii) Provide guidance to ECDIS manufacturers in terms of C&S presentation.
- (ix) Identify basic scientific fundamentals related to colours and symbolization.

- b) The WG should work by correspondence, group meetings, workshops or symposia. The WG should meet at least once every two years.
- c) The WG should liaise and harmonize with other ECDIS-related bodies as appropriate (e.g., TSMAD, IEC, IMO/IHO HGE, IALA, WMO, IACS, NATO, etc.)

4. *Composition and chairmanship*

- a) Membership is open to IHO member states, industry, academia, and ECDIS user groups. Others may be invited by the Chairman or members of the WG. Attendees are to inform the WG Secretary or Chairman of their intention to attend.
- b) The WG should be chaired by an IHO representative.

5. *Guiding Principles*

- a) The primary focus of the C&S specification should be on matters pertaining to safety of navigation (e.g. SENC display in Route Monitoring mode).
 - b) There is a distinction between immediate amendments and long-term revisions. Immediate amendments should be limited to safety-related matters.
 - c) The WG should consider what is happening related to ECDIS type-approval. This should include such matters as current exceptions granted and future regulations (e.g., carriage requirements).
 - d) New specifications should not be adopted without first conducting comprehensive testing and validation by manufacturers and at-sea trials with mariners.
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