

**10th Meeting of the Standardisation of Nautical Publications Working Group (SNPWG)
23– 27 February 2009, NOAA, Norfolk, Virginia**

ANNEX B TO SNPWG 10 PORTRAYAL PAER DATED 30 JANUARY 2009

M-3 TR K2. 26

DIGITAL INFORMATION PORTRAYAL W.G. (DIPWG) - Terms of Reference
(Formerly, Colours and Symbols Maintenance W.G.)

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 Hydrographic Services and Standards Committee (HSSC). Its work is subject to HSSC approval.

3. Procedures

a) The WG should:

- (i) Maintain IHO Special Publication S-52 and its accompanying Presentation Library, by preparing and promulgating maintenance documents when required.
- (ii) Perform maintenance of S-52 by immediate amendments for safety related matters and long-term revisions by deferred amendments.
- (iii) Draft new editions of S-52 as instructed by HSSC.
- (iv) Identify basic scientific fundamentals and provide guidance to ECDIS manufacturers related to colours and symbolization of hydrographic [and nautical](#) information.
- (v) Provide and maintain a framework for display of SENC information that is feasible and practicable within available technology.
- (vi) Coordinate technical exchange between DIPWG, type-approval authorities, ECDIS manufacturers and ECDIS user community, including the conduction of comprehensive testing and validation of colours and symbolization by manufacturers, and at-sea trials with mariners.
- (vii) Monitor the operational performance and development of IHO specifications, progress in display technology, and human perception analysis.

(viii) Consider new topics and other applications affecting electronic chart display, and/or draft the relevant extension documents.

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, [SNPWG](#), CSPCWG, IEC, IMO/IHO HGE, IALA, WMO, IACS, NATO, etc.).

d) The WG should identify a work programme for each year, including expected time frame.

4. Composition and Chairmanship

a) The WG shall comprise representatives of IHO Member States (M/S), Expert Contributors and Accredited NGO Observers.

b) Decisions should generally be made by consensus. If votes are required on issues or to endorse proposals presented to the WG, only M/S may cast a vote. Votes shall be on the basis of one vote per M/S represented.

c) Expert Contributor membership is open to entities and organisations that can provide a relevant and constructive contribution to the work of the WG.

d) The Chair and Vice-Chair shall be a representative of a Member State. The election of the Chair and Vice-Chair shall be decided at the first meeting after each ordinary session of the Conference (Conference to be replaced by Assembly when the revised IHO Convention enters force) and shall be determined by vote of the Member States present and voting.

e) If the Chair is unable to carry out the duties of the office, the Vice-Chair shall act as the Chair with the same powers and duties.

f) Expert Contributors shall seek approval of membership from the Chairman.

g) Expert Contributor membership may be withdrawn in the event that a majority of the M/S represented in the WG agree that an Expert Contributor's continued participation is irrelevant or unconstructive to the work of the WG.

h) All members shall inform the Chairman in advance of their intention to attend meetings of the WG.

i) In the event that a large number of Expert Contributor members seek to attend a meeting, the Chairman may restrict attendance by inviting Expert Contributors to act through one or more collective representatives.

Ref: 20th CHRIS Meeting (Niteroi, RJ, Brazil, 3-7 November 2008)