



IHB File No. S3/8151/S-52

14 May 2014

HSSC LETTER 01/2014

**SPECIFICATIONS FOR CHART CONTENT AND DISPLAY ASPECTS OF ECDIS (S-52)
HSSC vote to endorse the draft Edition 6.1.0 of S-52
and its accompanying Presentation Library, draft Edition 4.0.0**

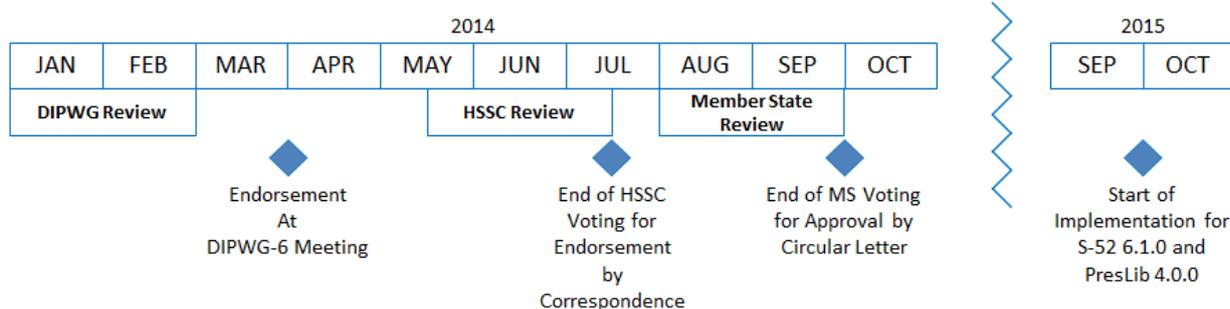
- References:
- A. IHO CL 08/2014 dated 20 January - *Outcome of the fifth meeting of the Hydrographic Services and Standards Committee (HSSC)*
 - B. IMO Resolution MSC.191(79) - *Performance Standards for the Presentation of Navigation-Related Information on Shipborne Navigational Displays*
 - C. IEC 62288 - *Presentation of navigation-related information on shipborne navigational displays – General requirements, methods of testing and required test results*
 - D. IEC 61174 - *ECDIS - Electronic chart display and information system (ECDIS) – Operational and performance requirements, methods of testing and required test results*
 - E. IHO S-52 - *Specifications for Chart Content and Display Aspects of ECDIS*

Dear Colleagues,

1. As reported in Reference A (paragraph 10) several updated versions of IHO publications were considered by HSSC-5 in November 2013. These included a draft edition 6.1.0 of S-52 - *Specifications for Chart Content and Display Aspects of ECDIS* and a draft edition 4.0.0 of its Annex A - *IHO Presentation Library for ECDIS* (PresLib), both prepared by the Digital Information Portrayal Working Group (DIPWG).

2. The Committee approved familiarization copies of these drafts to be placed on the IHO web site and then circulated for Committee's approval by HSSC letter followed by seeking Members States approval by IHO circular letter (actions HSSC/40 to 42). The familiarisation copies were subsequently provided to the IHB by the DIPWG Chair and posted on the IHO website (action HSSC5/40). Both drafts underwent a thorough review by the full DIPWG membership and ECDIS OEMs and were further refined at DIPWG-6 in April. As a result, updated drafts, incorporating comments from DIPWG and OEM reviews, have been posted on the IHO website at www.iho.int → Standards & Publications → Download IHO Publications → Draft Publications for Discussion (at the bottom of the webpage).

3. The schedule for approval of edition 6.1.0 of S-52 and edition 4.0.0 of the PresLib is depicted in the graphic below.



The date of “start of implementation for S-52 6.1.0 and PresLib 4.0.0” (around 1st October 2015) should be understood as the intended effective date to set this version formally in force as the governing standard (IHO Resolution 2/2007, as amended, refers).

4. In accordance with action HSSC5/41, this letter announces the start of a 60-day period for HSSC to review and endorse the new draft editions of S-52 and the PresLib. HSSC members are requested to indicate their approval of the drafts by returning the Voting Form, provided in Annex A, not later than **15 July 2014**.

5. The changes reflected in S-52 Edition 6.1.0 relate to the colour calibration information contained in its Annexes B and C, much of which referred to obsolescing CRT display technology. The explicit description of colour calibration methods has been replaced with references to current industry standards and practices.

6. The major changes between Editions 3.4 and 4.0.0 of Presentation Library, Part I are outlined on pages ii through vi of the document. The Addendum to Part I has been renamed *S-52 ENC Symbol Catalogue*. In the Catalogue, the line-weights for symbols depicting conspicuous and non-conspicuous symbols have been standardized to 0.6 mm and 0.3 mm respectively. Also three new symbols have been added, one to mark features that use the date dependent attributes and two to highlight features associated with automatic updates.

7. Part II of the Presentation Library was also changed. Most of "mariner objects" in Part II and the corresponding symbols in the Addendum to Part I have been deleted in Edition 4.0.0. In 2004 the IMO published *Performance Standards for The Presentation of Navigation-Related Information on Shipborne Navigational Displays* (MSC.191(79) - reference B). In response to the new IMO Performance Standards, the IEC published the first edition of the corresponding test standard, IEC 62288, in 2008 (reference C). The IEC standard describes most of the original mariner objects that were specified in Part II, making their inclusion in the Presentation Library redundant. Three of the original mariner objects were retained as they are not available in either the IMO or IEC standards.

8. The timing of these reviews will facilitate the near simultaneous implementation of new editions of three closely linked documents. These are: 1) IEC 61174 (reference D); 2) IHO S-64 - *IHO Test Data Sets for ECDIS* (to which IEC 61174 makes references); and 3) S-52 (for which S-64 provides tests to ensure proper implementation of chart portrayal in ECDIS).

Yours sincerely,

Mathias JONAS
HSSC Chairman

Distribution: HSSC Contacts representing Member States

Copy for information: Other HSSC Contacts

Annex A: Voting form for HSSC Member States.

VOTING FORM

(to be returned to the IHB, as HSSC Secretariat, by 15 July 2014

E-mail: info@iho.int - Fax: +377 93 10 81 40)

**HSSC Member
State:**

Contact:

E-Mail:

**Endorsement of draft edition 6.1.0 of S-52,
Specifications for Chart Content and Display Aspects of ECDIS and
draft edition 4.0.0 of S-52, Annex A,
*IHO Presentation Library for ECDIS***

Do you endorse recommending the draft new editions of S-52 and its Annex A (Presentation Library) to IHO Member States for approval?

YES

NO

Comments (if required)