



IHB File No. S3/8151/S-64

12 June 2014

HSSC LETTER 02/2014

**IHO TEST DATA SETS FOR ECDIS (S-64)
HSSC vote to endorse the draft Edition 3.0.0 of S-64**

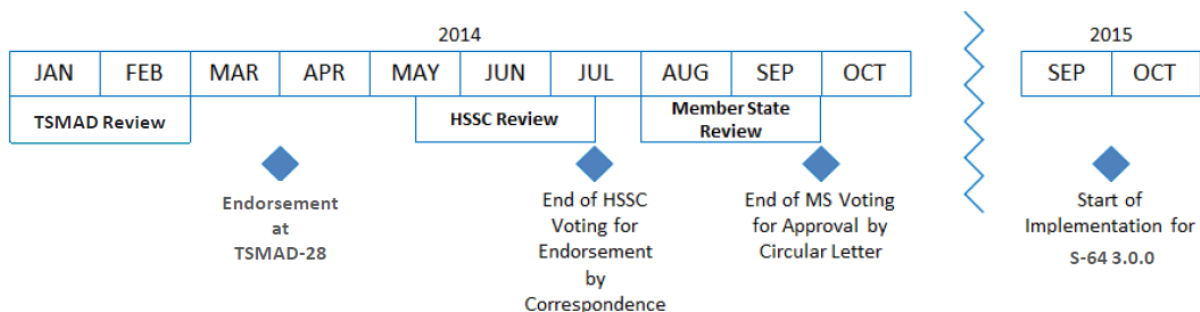
- References:
- A. IHO CL 08/2014 dated 20 January - *Outcome of the fifth meeting of the Hydrographic Services and Standards Committee (HSSC)*
 - B. IEC 61174 - *ECDIS - Electronic chart display and information system (ECDIS) – Operational and performance requirements, methods of testing and required test results*
 - C. S-63 – *IHO Data Protection Scheme*

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 3.0.0 of S-64 – *IHO Test Data Sets for ECDIS*, prepared by the Transfer Standard Maintenance and Applications Development Working Group (TSMAD). S-64 consists of ECDIS test data sets for both ENC and RNC data. An instruction manual for ENC is provided with a set of associated test data sets. The IEC test standard for ECDIS (IEC 61174 - reference B) requires that all mandatory tests described in S-64 be completed.

2. The Committee approved that a familiarization copy of S-64 should 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 HSSC5/13 to 16). The familiarisation copies were subsequently provided to the IHB by the TSMAD Chair and posted on the IHO website (action HSSC5/14). The draft publication underwent a thorough review by the full TSMAD membership and ECDIS OEMs and were further refined at TSMAD-28 in April. As a result, updated drafts, incorporating comments from the TSMAD 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 3.0.0 of S-64 is depicted in the graphic below.



The date of “start of implementation for S-64 3.0.0” (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).

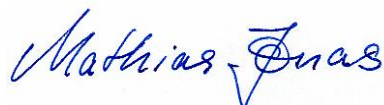
4. In accordance with action HSSC5/15, this letter invites the HSSC to review and endorse the new draft edition of S-64 edition 3.0.0. HSSC Members are requested to indicate their approval of the draft by returning the Voting Form, provided in Annex A, not later than **15 July 2014**.

5. Edition 3.0.0 of S-64 provides more explicit tests with accompanying expected output portrayed in a similar way to that used in the IHO “*ECDIS Data Presentation and Performance Check in Ships*”. Accordingly, graphic plots have been embedded within the expanded instruction manual rather than as separate PDF files, as in the existing edition. In addition, the new edition includes some chart related tests that were included in IEC 61174.

6. The timing of this review will facilitate the near simultaneous implementation of new editions of three closely linked documents. These are: 1) IEC 61174 (reference B); 2) S-64 (to which IEC 61174 makes references); and 3) IHO S-52 *Specifications for Chart Content and Display Aspects of ECDIS* (for which S-64 provides tests to ensure proper implementation of chart portrayal in ECDIS).

7. The IHO Data Protection Scheme Working Group (DPSWG), at its 10th meeting (Monaco, 13-15 May 2014), agreed the need to enhance S-63 (reference C) with a new annex describing the functionality required to provide a normative standard for the new edition of IEC 61174 (reference B) and how S-63 and S-57 revision information is to be displayed. . The new edition of IEC 61174 will refer to S-63 to define specific functionality required of the ECDIS in respect of the “ENC Update Status Report”. This will allow for the provision of a standard report showing status of ENC data to the end user (for planning) and to port state inspection. ECDIS has always been required to feedback revision information for installed ENC data but this was previously left to manufacturers to implement their own methodology. Due to the nature of S-63’s metadata information for data services, DPSWG agreed that S-63 is the most appropriate place to provide such a normative reference to IEC 61174. The addition of this annex to S-63 will result in a new edition 1.2.0. No other changes impacting on end users or data servers will be included in the new edition. Further, compliance with the new annex to S-63 will apply only to new systems which will be type-approved in accordance with the new edition of IEC 61174. Accordingly, DPSWG is preparing revised datasets for edition 3.0.0 of S-64 to test the functionality required by the new annex. These datasets will be supplied by DPSWG to the IHB as input to the HSSC review process.

Yours sincerely,

A handwritten signature in blue ink that reads "Mathias Jonas". The signature is written in a cursive style with a checkmark-like flourish at the end.

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 3.0.0 of S-64,
*IHO Test Data Sets for ECDIS***

Do you endorse recommending the draft new editions of S-64 to IHO Member States for approval?

YES

NO

Comments (if required)