

**5<sup>TH</sup> MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE  
Shanghai, China, 5-8 November 2013**

**Paper for Consideration by HSSC**

**Procedures for the maintenance of S-57 and S-52 – Final Draft**

<b>Submitted by:</b>	HSSC Secretary
<b>Executive Summary:</b>	This paper presents the outcome of the review of documents HSSC5-04.3A, HSSC5-04.3B and HSSC5-04.3C and further discussion at HSSC-5. It proposes consolidated amendments to the terms of reference of TSMAD and DIPWG to address the preparation and approval of S-57 Encoding Bulletins and proposes adopting a similar procedure for S-52 chart Presentation Bulletins and amendments.
<b>Related Documents:</b>	HSSC5-01D: Terms of Reference for HSSC and related Working Groups HSSC5-04.3A: Procedures for the maintenance of S-57 and S-52 (IHB) HSSC5-04.3B: Comments by Finland on the maintenance procedures of S-57 and S-52 HSSC5-04.3C: Comments from DIPWG Chair on Procedures for Maintenance of S-57 and S-52
<b>Related Projects:</b>	

**Introduction / Background**

1. After considering documents HSSC5-04.3A, HSSC5-04.3B and HSSC5-04.3C related to the procedures for maintaining S-57 and S-52, the Committee tasked the Secretary to draft a consolidated proposal with the representative of Finland and the chairs of TSMAD and DIPWG.
2. This document presents the proposal of the drafting group.

**Analysis/Discussion**

3. Annex 1 offers a revised wiring diagram for the maintenance of S-57 replacing Annex 1 to TSMAD Terms of Reference.
4. Annex 2 offers a similar wiring diagram for the maintenance of S-52.

**Recommendations**

5. It is recommended that HSSC adopts the procedures described in Annexes 1 and 2.

**Justification and impacts**

6. The proposed procedures intend to clarify the mechanism for the identification and appropriate processing of safety issues which may require amending the S-57 component *Use of the object catalogue for ENC* and S-52 portrayal rules.

**Action required of HSSC**

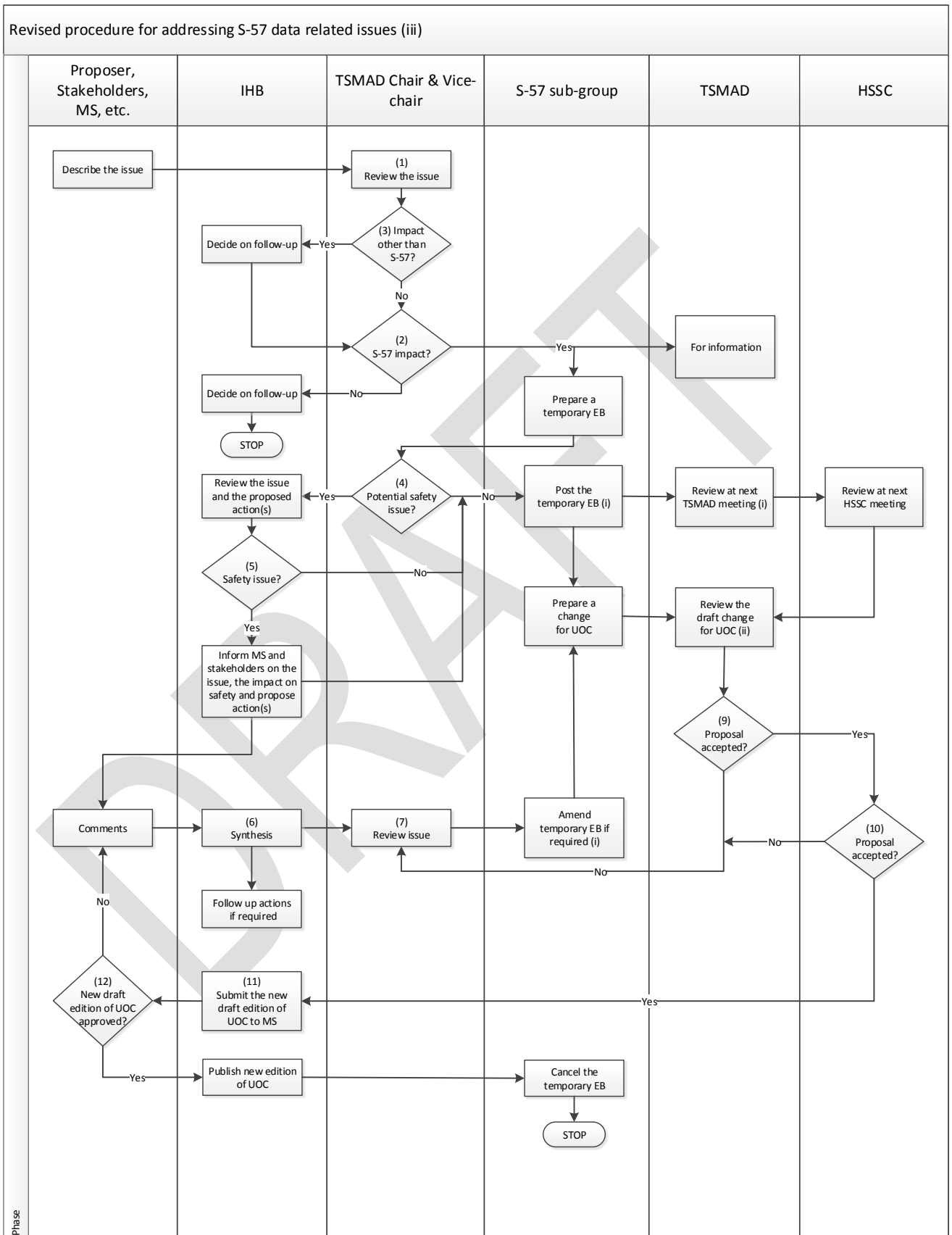
7. The HSSC is invited to:
  - a. **note** this report;
  - b. **endorse** the procedures described in Annexes 1 and 2;

- c. **adopt** the following amendments to the current ToR of TSMAD and DIWPG (changes emphasized in *italics*):
- TSMAD ToR:
    - (i) Amend article 3 (b) as follows:
      - b) The WG should work by correspondence, group meetings, workshops or symposia. Permanent or temporary sub-working groups may be created by the WG to undertake detailed work on specific topics such as: maintenance of the IHO transfer standard for digital hydrographic data, product specifications, tidal information, survey information, etc. *The terms of reference and rules of procedure of the sub-working groups are determined by the WG.* The WG should meet at least once a year. When meetings are scheduled, and in order to allow any WG submissions and reports to be submitted to HSSC on time, WG meetings should not normally occur later than nine weeks before a meeting of the HSSC.
    - (ii) replace Annex 1 with the document attached in Annex 1 to this report;
  - DIPWG ToR:
    - (i) at the end of article 3 a (i), add the following sentence:

*In the case of issues which may be related to the portrayal of objects according to S-52, the procedure described in Annex 1 must be adhered to.*
    - (ii) insert as Annex 1 the document attached in Annex 2 to this report; and
- d. **take** any other **action** as appropriate.

## Annex 1

### Draft revised procedure for addressing S-57 data related issues



Note: the changes to the text in Annex 1 of HSSC5-04.3A are shown in *italics*.

1. New issues which are potentially related to S-57 are submitted to the TSMAD chair group (chair and vice-chair of TSMAD) for review.
2. The TSMAD chair group considers whether the issue impacts S-57.
  - 2.a If it considers that the issue does not impact S-57, it reports to the IHB which decides on any follow-up action(s).
  - 2.b If it considers that the issue impacts S-57, it informs TSMAD members and tasks the S-57 sub-working group (S-57 SG, created in accordance with article 3b of the terms of reference) with the preparation of a temporary encoding bulletin (EB).
3. In parallel the TSMAD chair group considers whether the issue has any other impact, i.e. on other IHO publication or on other stakeholders. The TSMAD chair group reports other impact(s), if any, to the IHB which decides on any follow-up action(s).
4. In parallel, the TSMAD chair group considers whether the issue is related to safety of navigation.
  - 4.a If it considers that the issue is safety-related, it reports to the IHB with proposed actions. See item 5.
  - 4.b If it considers that the issue is not safety-related, it authorizes the posting of the relevant temporary EB. See note (i) and item 8.
5. The IHB reviews the report from the TSMAD chair group.
  - 5.a If the IHB agrees that the issue is safety-related, it informs Member States (MS) and stakeholders on the issue and the impact on safety, proposes the appropriate actions and invites comments. It also authorizes the posting of the relevant temporary EB. See note (i) and item 6.
  - 5.b If the IHB decides that the issue is not safety-related, it informs the TSMAD chair group and authorizes the posting of the relevant temporary EB. See note (i) and item 8.
6. The IHB analyses the comments from MS and stakeholders. It establishes a synthesis to be considered by the TSMAD chair group and takes any follow-up actions which it considers appropriate.
7. The TSMAD chair group reviews the issue and invites the S-57 SG to amend the temporary EB if required.
8. The S-57 SG prepares/reviews the appropriate draft change for S-57 Appendix B.1, Annex A - Use of the Object Catalogue for ENC (UOC) and submits its proposal to TSMAD.
9. TSMAD reviews the draft change for UOC as instructed by HSSC. See note (ii).
  - 9.a If TSMAD accepts the draft change for UOC, the proposal is submitted to HSSC. See item 10.
  - 9.b If TSMAD does not accept the draft change for UOC, the proposal is sent back to the TSMAD chair group. See item 7.
10. HSSC reviews the draft change for UOC.
  - 10.a If HSSC accepts the draft change for UOC, it invites the IHB to submit the draft to the approval of MS (in accordance with IHO Resolution 2/2007 as amended). See item 11.
  - 10.b If HSSC does not accept the draft change for UOC, the proposal is sent back to the TSMAD chair group. See item 7.
11. The IHB submit the draft new edition of the UOC to the approval of MS.
12. MS reviews the draft new edition of the UOC
  - 12.a If the draft new edition is approved by the simple majority of MS, then the IHB publishes the new edition (taking into account comments if appropriate) and the temporary EB is cancelled. END.

12.b If the draft new edition is not approved by the MS, see item 6.

Notes:

(i) The IHB informs MS *and stakeholders* of the posting of every EB by circular letter. Active EB are reviewed by TSMAD at its next meeting. TSMAD reports on the situation at the next HSSC meeting.

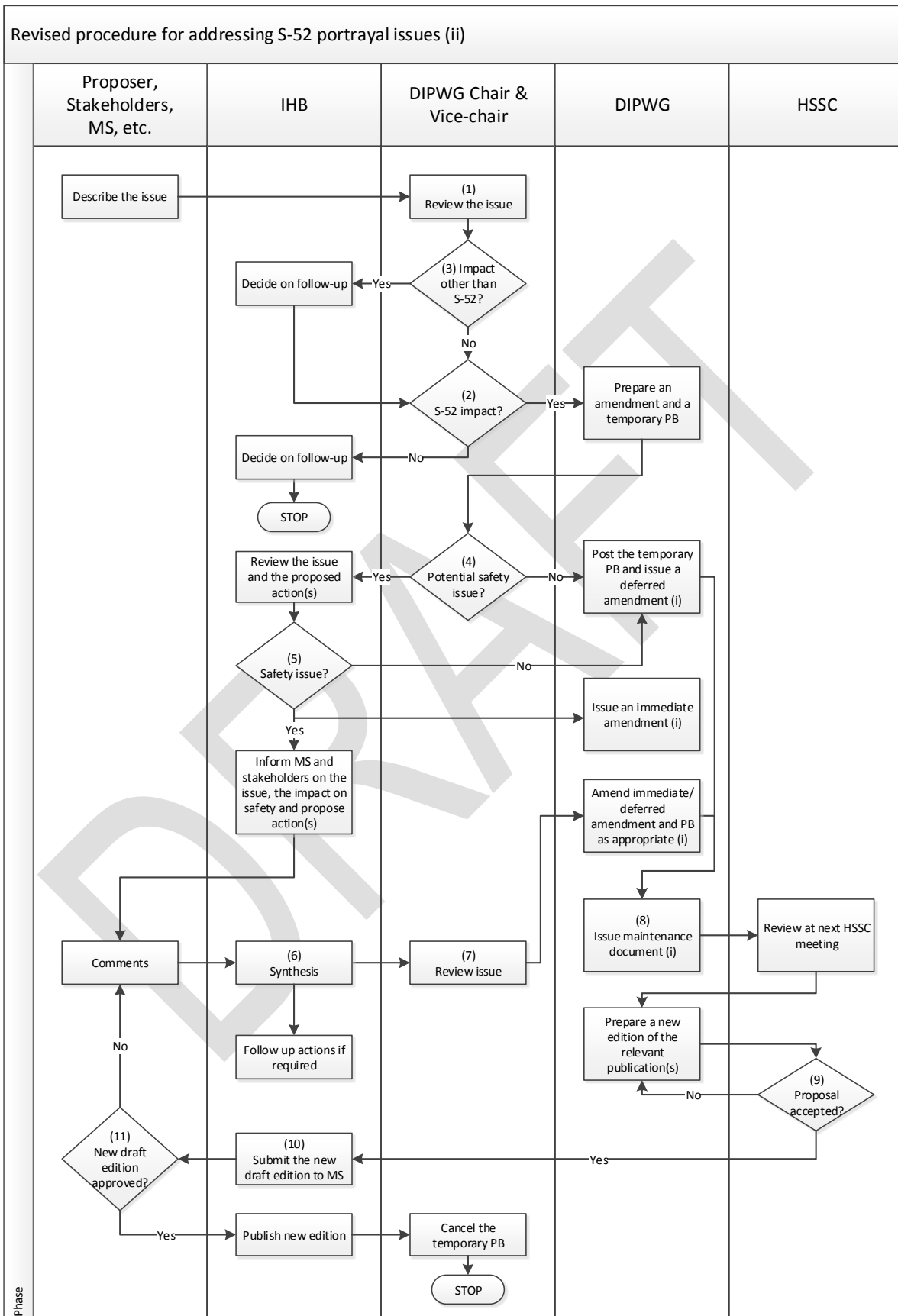
(ii) TSMAD may decide to postpone the update of the UOC until a number of EB have been promulgated or until a period of time has elapsed since the previous revision/edition of the UOC.

(iii) *The flow diagram does not reflect the timeline. Potential safety issues are processed as expeditiously as possible.*

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## Annex 2

### Draft procedure for addressing S-52 portrayal issues



Note: the changes to the text in Annex 2 of HSSC5-04.3A are shown in *italics*.

1. New issues which are potentially related to S-52 are submitted to the DIPWG chair group (chair and vice-chair of DIPWG) for review.
2. The DIPWG chair group considers whether the issue impacts S-52.
  - 2.a If it considers that the issue does not impact S-52, it reports to the IHB which decides on any follow-up action(s).
  - 2.b If it considers that the issue impacts S-52, it invites DIPWG to prepare an amendment to the relevant component(s) of S-52 and a temporary chart presentation bulletin (PB).
3. In parallel the DIPWG chair group considers whether the issue has any other impact, i.e. on other IHO publication or on other stakeholders. The DIPWG chair group reports other impact(s), if any, to the IHB which decides on any follow-up action(s).
4. In parallel, the DIPWG chair group considers whether the issue is related to safety of navigation.
  - 4.a If it considers that the issue is safety-related, it reports to the IHB with proposed actions. See item 5.
  - 4.b If it considers that the issue is not safety-related, it authorizes the posting of the relevant temporary PB and issue a deferred amendment to the relevant publication. See note (i) and item 8.
5. The IHB reviews the report from the DIPWG chair group.
  - 5.a If the IHB agrees that the issue is safety-related, it informs Member States (MS) and stakeholders on the issue and the impact on safety, proposes the appropriate actions and invites comments. It also tasks DIPWG to issue an immediate amendment. See note (i) and item 6.
  - 5.b If the IHB decides that the issue is not safety-related, it informs the DIPWG chair group and authorizes the posting of the relevant temporary PB and the issuance of a deferred amendment. See note (i) and item 8.
6. The IHB analyses the comments from MS and stakeholders. It establishes a synthesis to be considered by the DIPWG chair group and takes any follow-up actions which it considers appropriate.
7. The DIPWG chair group reviews the issue and invites DIPWG to amend the relevant amendment and temporary PB if required.
8. DIPWG prepares/reviews and issues a S-52 maintenance document and reports to HSSC at its next meeting. When appropriate, and as instructed by HSSC, DIPWG prepares a draft new edition of the relevant component of S-52. DIPWG submits its proposal to HSSC.
9. HSSC reviews the draft new edition submitted by DIPWG.
  - 9.a If HSSC accepts the draft new edition, it invites the IHB to submit the draft to the approval of MS (in accordance with IHO Resolution 2/2007 as amended). See item 10.
  - 9.b If HSSC does not accept the draft new edition, the proposal is sent back *to DIPWG*.
10. The IHB submit the draft new edition to the approval of MS.
11. MS reviews the draft new edition.
  - 11.a If the draft new edition is approved by the simple majority of MS, then the IHB publishes the new edition (taking into account comments if appropriate) and the temporary PB is cancelled. END.
  - 11.b If the draft new edition is not approved by the MS, see item 6.

Notes:

- (i) The IHB informs MS *and stakeholders* of the posting of every PB and the issuance of every amendment by circular letter.

(ii) *The flow diagram does not reflect the timeline. Potential safety issues are processed as expeditiously as possible.*

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