

**7TH MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE
Busan, Republic of Korea, 10-13 November 2015**

Paper for Consideration by HSSC

Programme Performance Indicators for HSSC

Submitted by:	IHB
Executive Summary:	This paper reports on the implementation of the operational performance indicators for HSSC and on the biannual reporting regime introduced by the 5 th Extraordinary International Hydrographic Conference to help assess the progress of the IHO Work Programme. It also invites the Committee to consider arrangements for the preparation of the next IH Conference/IHO Assembly.
Related Documents:	HSSC6-04.1A - <i>Programme Performance Indicators for HSSC</i> Final minutes of HSSC-6 (section 4.1) Final minutes of WENDWG-5 (section 4) Annual Report of the IHO for 2014 – Annex B - <i>Status Report on Performance Monitoring</i> EIHC-5 - Decision No. 3 (<i>PRO. 5 - Improving the total cost estimate of the IHO tasks for the definition of a prioritized Work Programme</i>) IHO Circular Letter 17/2015 dated 24 February - <i>Report on the overall status of the IHO Work Programme - end of 2014.</i> IHO Circular Letter 66/2015 dated 2 September - <i>Report on the overall status of the IHO Work Programme – mid-year 2015.</i> IHO Circular Letter 45/2015 dated 19 June - <i>Dates for the XIXth International Hydrographic Conference / 1st session of the IHO Assembly.</i> IHO Resolution 12/2002 as amended - <i>Planning cycle.</i>
Related Projects:	HSSC Work Plan.

Background

1. Following the decision of the 4th Extraordinary International Hydrographic Conference (EIHC-4) in 2009 to introduce IHO performance indicators and the review of the relevant monitoring system by the 18th International Hydrographic Conference (IHC-18) in 2012, the Annual Report of the IHO for 2012 included Performance Indicators (PIs) for the first time.
2. At its 5th meeting in 2013, the HSSC agreed to retain its current working level (operational) performance indicators (WPI) until sufficient historical data is available to assess their usefulness. HSSC-5 also tasked the IHB to invite the Working Group on the World-wide ENC Database (WEND-WG), via the Inter-Regional Coordination Committee (IRCC), to assess how representative is the ENC usage indicator based solely on the inputs from Primar and IC-ENC, and to propose alternatives if appropriate.
3. At its 6th meeting in 2014, the HSSC agreed to retain the current WPIs until the next Conference/Assembly in 2017 when they will be reconsidered as part of the revision of the IHO Strategic Plan.

4. At its 5th meeting in March 2015, the WEND Working Group (WENDWG) reviewed the PIs that are related to WENDWG activities and agreed to retain the current strategic PIs (SPIs) and WPIs until the next Conference/Assembly in 2017. For the future, the WENDWG also suggested that the targets of the SPIs and WPIs should be estimated.

5. In addition, the 5th Extraordinary International Hydrographic Conference (EIHC-5) agreed by Decision No 3 to:

..... reinforce the existing reporting requirements for Committees, Sub-Committees, and Working Groups (WGs), and underlined the importance of submitting these reports in order to offer the IHB and Member States a tool to both estimate and provide the necessary resources as well as assess results and progress. Accordingly the Conference tasked the IHB Directing Committee:

1) to direct the chairs of Committees, Sub-committees and WGs to, twice annually at year-end and mid-year, report on the overall status of their respective work programmes by completing a simple, two-part template that requests brief lists of a) current goals and priorities, and b) current or expected gaps and needs.

2) to communicate these brief summary reports in an IHO Circular Letter, as well as noting any groups that did not report, with a view to offering Member States a snapshot of the status of the work of the IHO.

3) ...

6. The first biannual status report on the situation at the end of 2014 was circulated to Member States through IHO Circular Letter (CL) 17/2015 dated 24 February. The second status report at mid-year 2015 was circulated through IHO CL 66/2015 dated 2 September.

Analysis

7. The status of HSSC WPIs as of 31 December 2014 was reported in Table 2 of Annex B of the Annual Report of the IHO for 2014. A copy is provided in annex A to this paper.

8. The progress in the percentage of annual work programme achieved (52% versus 19% in 2013 and 17% in 2012) seems to indicate a more realistic estimate of the time and resources required to address the work items.

9. Although the number of meetings increased from 10 in 2013 to 11 in 2014, the participation was much lower (171 participants in 2014 versus 258 in 2013). This is due partly to the fact that the working group with the most participants by far (TSMAD) met three times in 2013, including a joint TSMAD-DIPWG meeting, but only once, as a joint TSMAD-DIPWG meeting, in 2014. In addition, the number of participants was significantly lower in the joint TSMAD-DIPWG meeting as well as in the meetings of the DQWG, SNPWG and MSDIWG in 2014, compared to 2013.

10. In order to ensure the continuity of the indicators, the participation in the MSDIWG meeting will continue to be included in the subsequent assessment of the participation at meetings, although the governance of the MSDIWG was transferred to the IRCC on 1 January 2015.

11. Most entities under the governance of the HSSC provided their biannual reports as requested by the IHB in accordance with Decision No 3 of the EIHC-5. The following entities did not provide their report:

- End of 2014: TSMAD, SNPWG/NIPWG, TWLWG/TWCWG, HDWG and ABLOS;
- Mid-2015: S-66PT and ABLOS.

12. The extract relevant to HSSC of the overall assessment compiled by the IHB and reported to Member States is provided in Annex B.

Preparation of the next IH Conference / IHO Assembly

13. The next IH Conference or first IHO Assembly is scheduled from 24 to 28 April 2017.

14. The agenda of the Conference/Assembly will include a review of the IHO Strategic Plan and consideration of the IHO Work Programme for the next 3-year or 5-year cycle. In accordance with IHO Resolution 12/2002 as amended the relevant documents will be prepared by the IHB in consultation with the HSSC and the IRCC.

15. In particular, IHO Resolution 12/2002 provides that in April 2016, the IHB should invite Member States, HSSC and IRCC to submit proposals to update the Strategic Plan. These proposals are expected to be circulated to all Member States in August 2016, well before the next meeting of HSSC.

16. In that perspective, the Committee is invited to consider appropriate arrangements to prepare and consolidate in due course its inputs to the review of the IHO Strategic Plan and to the preparation of the next IHO pluriannual Work Programme.

Action required of HSSC

17. The HSSC is invited to:

- a. **note** this report,
- b. **consider** appropriate arrangements for its contribution to the preparation of the next IH Conference / IHO Assembly, and
- c. **take** any actions considered necessary.

Annex A
Extract from the Annual Report of the IHO for 2014

HSSC Working Level Performance Indicators

HSSC4 agreed to implement the WPIs listed in table 2.

Table 2 provides values for the Working Level Performance Indicators for 2014 associated with Work Programme 2.
 Values for 2013 are included to enable trends and comparisons to be made.

Table 2
HSSC WPIs

Metric	Source	Rationale	Status 31 Dec 2013	Status 31 Dec. 2014	General Trend
Number of S-100 based product specifications approved	IHB	Relative indicator of uptake of IHO standards including for purposes other than SOLAS navigation	0	0	↔
Percentage of annual work programme achieved	HSSC WGs (all)	Progress against objectives in the strategic plan	19%	52%	↑
Total number of participants at meetings (MS and Expert Contributors)	HSSC WGs (all)	Indicates participation of MS and wider community in execution of the plan	258 <i>MS: 172</i> <i>Expert Contributors.: 86</i>	171 <i>MS: 128</i> <i>Expert Contributors: 43</i>	↓ ↓ ↓
Number of technical revisions and clarifications approved	IHB	Indicative of ability to provide comprehensive, safe and effective standards	3	2	↓
Number of ENC distributed annually under license (equivalent annual licences)	WEND WG	Relative indicator of ENC usage throughout SOLAS market	2,202,487	2,272,923 ¹	↑

¹ Total of Primar and IC-ENC distribution only - does not include local distribution or other distribution mechanisms

Annex B
Compilation of the biannual status reports from IHO bodies and
inter-organizational bodies involving the IHO

Status of the work programme of the HSSC

B.1 Status - End of 2014 (Extract from Annex A to IHO CL 17/2015)

The new or revised editions of IHO ECDIS-related standards required to support the completion and approval of the new edition of IEC standard 61174 – *Electronic Chart Display and Information System (ECDIS) – Operational and performance requirements, methods of testing and required test results* were adopted according to the timeline reported to the International Maritime Organization (IMO) as a result of the combined effort of all parties involved. During the transition phase, the new ENCWG will need to be attentive and, if required, reactive, as the practical implementation of the new versions of these complex standards may reveal errors or ambiguities that will require clarifications or revisions to resolve.

The development of S-100 and S-100 based product specifications, as well as the operation of the S-100 Registry, relies on a small number of dedicated experts from the Member States and from the industry. This situation is fragile and could undermine the central role of S-100 in the development of the common maritime data structure in support of e-navigation.

The implementation of the re-organized structure of HSSC, reported in IHO CL 11/2015, has confirmed the difficulty to attract volunteers for the positions of office-bearers of the working groups that was reported to EIHC-5.

B.2 Status - Mid-2015 (Extract from Annex A to IHO CL 66/2015)

A procedure has been implemented in liaison with the ENC Standards Maintenance Working Group (ENCWG) to monitor and address errors or ambiguities identified through the practical implementation of the new or revised editions of IHO ECDIS-related standards required to support the new edition of IEC Standard 61174 – *Electronic Chart Display and Information System (ECDIS) - Operational and Performance Requirements, Methods of Testing and Required Test Results*. Close liaison with the ECDIS equipment manufacturers and the shipping industry is required during the one-year transition phase to ensure that any issue arising is dealt with in the most appropriate manner².

The revision of Edition 5.0.0 of S-58 - *ENC Validation Checks* (IHO CL 18/2015 refers) is still ongoing; the ENCWG identifies the need to develop a test dataset to accredit ENC production software.

The development of S-100 and S-100 based product specifications, as well as the operation of the S-100 Registry, continues to rely on a small number of dedicated experts from the Member States and from the industry. This situation is fragile and could undermine the central role of S-100 in the development of the common maritime data structure in support of e-Navigation.

The Hydrographic Dictionary Working Group (HDWG) reports that lack of participation continues to impede progress in its activities.

² See IHO Circular Letter 65/2015 dated 31 August – *Status of IHO ECDIS and ENC Normative References*.