



13th Meeting of the Hydrographic Services and Standards Committee

Report of the HSSC Chair

**Implementation of the SPIs of the
IHO Strategic Plan allocated to HSSC**
Way forward – Report and Proposals to C-5 SPIs

Agenda Item 4.3

HSSC-13, VTC Event, 3 – 7 May 2021



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IHO STRATEGIC PLAN, GOALS AND TARGETS

International
Hydrographic
Organization

Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation

<i>Targets</i>	<i>Relation with IHO Object</i>
1.1 Deliver standards for hydrographic data and specifications of hydrographic products; support their regular production; and coordinate regional and global services for their provision.	a, d, e
1.2 Develop standards, specifications and guidelines in the areas of data assurance, including cyber security and data quality assessment.	b
1.3 Use capacity building and training to develop and increase the ability of Member States to support safety and efficiency of maritime navigation.	c



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Goal 2: Increasing the use of hydrographic data for the benefit of society

<i>Targets</i>	<i>Relation with IHO Object</i>
2.1 Build a portal to support and promote regional and international cooperation in marine spatial data infrastructures (MSDI).	b, g
2.2 Promote new tools and methods to accelerate and increase coverage, consistency, quality of surveys in poorly surveyed areas.	b, d
2.3 Apply UN shared guiding principles for geospatial information management in order to ensure interoperability and extended use of hydrographic data in combination with other marine-related data.	d, g



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Goal 3: Participating actively in international initiatives related to the knowledge and the sustainable use of the Ocean

<i>Targets</i>	<i>Relation with IHO Object</i>
3.1 Collaborate with other bodies who deliver capacity building and training to improve effectiveness of capacity building activities and programmes	c
3.2 Improve knowledge of the world's seafloors	b, f
3.3 Implement a comprehensive IHO digital communication strategy in order to enhance its visibility and accessibility to its work	a, b, e



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ALLOCATION OF SPI TO HSSC

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- The Council 4 allocated specific SPIs to HSSC, IRCC and the IHO Secretariat
- After A2 and C4, 9 December 2020, the HSSC Chair Group had a meeting where we agreed upon how to measure the SPIs allocated to HSSC and how HSSC could support IRCC on their adjacent SPIs



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SPI ALLOCATED FOR HSSC

International Hydrographic Organization

Targets	Strategic Performance Indicator (SPI)-measurement for success	Proposed Lead
Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation		
<p>1.1 Deliver standards for hydrographic data and specifications of hydrographic products; support their regular production; and coordinate regional and global services for their provision.</p>	<p>1.1.1 Percentage of Member States having operationalized production and distribution of hydrographic data products and services based on IHO Universal Hydrographic Data Model (S-100), under an implementation framework of coordination and agreed timelines (2026: 100%).</p> <p>1.1.2 Number of hydrographic data products and services based on Universal Hydrographic Data Model that cater for the new requirements: autonomous shipping, reduction of emission.</p>	<p>HSSC</p> <p>60 % of MS distribute at least one product based on S-100.</p> <p>By 2026, 7* Product Specifications should be operational (ed 2.0.0.)</p>

* S-101, S-102, S-104, S-111, S-124, S-128, S-129 (identified 2020)



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Targets	Strategic Performance Indicator (SPI)-measurement for success	Proposed Lead
Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation		
1.2 Develop standards, specifications and guidelines in the areas of data assurance, including cyber security and data quality assessment.	1.2.1 Percentage of hydrographic data products and services based on S-100 model that are covered by IHO standards, specifications and guidelines on cyber security (2026: 100%).	HSSC 7 Product Specifications includes cyber security and data quality assessment
	1.2.2 Percentage of navigationally significant areas (e.g. charted traffic separation schemes, anchorages, channels) for which the adequacy of the hydrographic knowledge is assessed through the use of appropriate quality indicators (2026:100%).	IRCC Supported by HSSC (DQWG/ENCWG/HSWG – CATZOC/Quality of Bathymetry)



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Targets	Strategic Performance Indicator (SPI)-measurement for success	Proposed Lead
Goal 2: Increasing the use of hydrographic data for the benefit of society		
2.2 Promote new tools and methods to accelerate and increase coverage, consistency, quality of surveys in poorly surveyed areas.	2.2.1 Percentage of adequately surveyed area per coastal state.	IRCC
	2.2.2 Number of new applications of the new version of Standards for Hydrographic Surveys (S-44).	HSSC New survey methods/platforms used as a result of S-44 ed 6.0.0. Will be monitored, by HSWG, and reported annually.



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ACTIONS REQUESTED FROM HSSC

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1. Note the SPIs allocated for HSSC
2. Endorse the proposed SPI measurements to be proposed by HSSC
3. Agree on the metric definition, way forward and responsibilities to HSSC WGs
4. Approve to experiment it. Task the HSSC Chair Group to report by end of September 2021 on the outcome.
5. Take any other action it consider appropriate