

## **Procedure for measuring SPI allocated to IRCC**

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

**Target 1.2 Develop standards, specifications and guidelines in the areas of data assurance, including cyber security and data quality assessment.**

**SPI 1.2.2 Percentage of navigationally significant areas (e.g. Charted traffic separation schemes, anchorages and channels) for which the adequacy of the hydrographic knowledge is assessed through the use of appropriate quality indicators (2026:100%).**

**Responsible:** RHCs

**Supported by:** IHO-GIS, CBSC, CB Coordinators of RHCs, HSSC (DQWG/ENCWG/HSWG)

**Proposed way forward:**

1. Derive one estimate figure for the RHC in %
2. Consolidated figure after WS on SPI with improved mechanism
3. Gap analysis
4. Annual report on the figure to IRCC (**by 31 December**)

**Remarks:**

The figures in C55 and in the table of phases reached by MS within the RHC could be helpful and shall be consistent.

DQWG might provide a quality support in identifying the figures criteria.

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

**Target 1.3 Use capacity building and training to develop and increase the ability of Member States to support safety and efficiency of maritime navigation.**

**SPI 1.3.1 Ability and capability of Member States to meet the requirements and delivery phases of the S100 implementation plan (2026: 50%).**

**Responsible:** CBSC

**Supported by:** CB Coordinators of RHCs

**Proposed way forward:**

1. Derive a figure for each region of the percentage of MS, that are capable to provide S-101 and S-102 products data
2. Develop method to derive improved measurable figures and provide figures to IRCC (**by 31 December**)
3. Revise CB Strategy

**Remarks:**

A first check will be done at the 2022 IRCC Workshop on the IHO Strategic Plan implementation

**Goal 2: Increasing the use of hydrographic data for the benefit of society****Target 2.1 Build a portal to support and promote regional and international cooperation in marine spatial data infrastructures (MSDI).****SPI 2.1.1 Number of hits downloading data/information from the portal.****Responsible:** MSDI WG in cooperation with IHO Secretariat**Supported by:** RHCs**Proposed way forward:**

1. MSDI WG to provide procedure for the development of the portal at IHO secretariat and apply ISO 9001 principles on the development of the portal
2. MSDI and IHO Secretariat to derive number of hits (**by 31 December**).

**Remarks:**

Monitoring will be based on the increase of the value of the indicator and assessment of its significance.

In accordance with the Report of MSDI WG to IRCC13, it is expected that the Portal will be ready in 2024. Till 2024, the number of hits downloading data/information should be referred to the single national MSDI portals and communicated by MS to MSDI WG Chair and IHO Secretariat, via the regional representatives to MSDI WG.

**Goal 2: Increasing the use of hydrographic data for the benefit of society.****Target 2.2 Promote new tools and methods to accelerate and increase coverage, consistency, quality of surveys in poorly surveyed areas.****SPI 2.2.1 Percentage of adequately surveyed area per coastal state.****Responsible:** RHCs**Supported by:** CB Coordinators, CBSC, IHO Secretariat (GIS)**Proposed way forward:**

1. Taking into account the aim of the target, concentrate on poorly surveyed areas, where reported C-55 status for surveys is less than 50% (33%).
2. CBSC to derive rough figures from current C-55 and implement a routine procedure to derive percentage per coastal state in a simple manner, using also CATZOC information, and provide figures to IRCC (**by 31 December**).

**Remarks:**

Focus should be on a simple routine that enables to visualize the relative development of the surveys.

This SPI is not limited to MS only. For non-MS with no information we could simply state 0% for the start.

The system has to be C-55 consistent, taking into account further developments of C-55.

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

**Target 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.**

**SPI 2.3.1 Number of HOs reporting success applying the principles in their national contexts (2026: 70%).**

**Responsible:** MS via RHCs

**Supported by:** MSDIWG, CB Coordinators, IHO GIS, CBSC

**Proposed way forward:**

1. MSDI WG and UN GGIM HWG to set up definition of what application means. Possibly providing information documents.
2. MS (via RHCs) to report figures to IRCC and then to IHO Secretariat annually.
3. IRCC with the support of the IHO Secretariat to derive percentage (**by 31 December**).

**Remarks:**

MSDI, UN-GGIM to provide guidance on that.

HOs that are not from a MS should be considered.

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

**3.1 Collaborate with other bodies who deliver capacity building and training to improve effectiveness of capacity building activities and programmes.**

**SPI 3.1.1 Percentage of Coastal States that are capable to provide marine safety information (MSI) according to the joint IMO/IHO/WMO manual on MSI (2026 90%).**

**Responsible:** WWNWS

**Supported by:** //

**Proposed way forward:**

1. WWNWS to derive and report the figure annually to IRCC (**by 31 December**)
2. Operate a table showing the development of the figure over the years.

**Remarks:** //

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

**Target 3.2 Improve knowledge of the world's seafloors.**

**SPI 3.2.1 Amount of data received per year by the IHO Data Centre for Digital Bathymetry (DCDB).**

**SPI 3.2.2 Number of contributors to DCDB who are not hydrographic offices.**

**Responsible:** CSB in cooperation with DCDB

**Supported by:** //

**Proposed way forward:**

1. DCDB to derive and report the figures annually via CSB to IRCC (**by 31 December**).
2. Operate a table showing the development of the figures over the years.

**Remarks:** //

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

**Target 3.2 Improve knowledge of the world's seafloors.**

**SPI 3.2.3 Percentage of total sea area that is Seabed 2030 compliant for ingestion into the GEBCO dataset and services**

**Responsible:** GEBCO GC

**Supported by:** Seabed 2030 Initiative

**Proposed way forward:**

1. GEBCO to derive and report the figures annually via CSB to IRCC (**by 31 December**).
2. Operate a table showing the development of the figures over the years.

**Remarks:** //