

SWPHC18 – IHO Strategic Plan 2021-2026: GAP Analysis

(Ref: IHO Strategic Plan 2021-2026)



Coastal State: Republic of Marshall Islands

GOAL 1	Target	Current State	Gap	Actions
Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation	<ul style="list-style-type: none"> Deliver standards for hydrographic data and specifications of hydrographic products; support their regular production; and coordinate regional and global services for their provision Develop standards, specifications and guidelines in the areas of data assurance, including cyber security and data quality assessment Use capacity building and training to develop and increase the ability of Member States to support safety and efficiency of maritime navigation 			<p>RMI is working with the US NGA regarding the provision of hydrographic data and services. We expect to have a formal MOU in place during the 2021 calendar year.</p> <p>RMI is engaging with the SPC in capacity building to ensure compliance with the safety of navigations</p>
Strategic Performance Indicators SPI 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%)	0%	100%	<p>S-100 products will be coordinated nationally and with the PCA as products are approved and developed.</p> <p>We will work with our PCA to transition to S-101 in line with the established IHO timelines.</p>
SPI 1.2	Number of hydrographic data products and services based on the Universal Hydrographic Data Model that cater for the new requirements: autonomous shipping, reduction of emissions	Nil	S-101, S-104 & others to be determined	No Action
SPI 1.3	Percentage of hydrographic data products and services based on the S-100 model that are covered by IHO standards, specifications and guidelines on cyber security (2026: 100%)	0%	100%	<p>S-100 products will be coordinated nationally and with the PCA as product standards are approved and production plans developed.</p> <p>We will work with our PCA to transition to S-101 in line with the established IHO timelines.</p>

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SPI 1.4	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%)	100%	0%	Appropriate quality indicators (M_QUAL CATZOC) are assigned as part of the PCA business process.
SPI 1.5	Ability and capability of Member States to meet the requirements and delivery phases of the S-100 implementation plan (2026: 50%)	0%	50%	S-100 products will be coordinated nationally and with the PCA as product standards are approved and production plans developed.

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GOAL 2	Target	Current State	Gap	Actions
Goal 2: Increasing the use of hydrographic data for the benefit of society	<ul style="list-style-type: none"> Build a portal to support and promote regional and international cooperation in marine spatial data infrastructures (MSDI) Promote new tools and methods to accelerate and increase coverage, consistency, quality of surveys in poorly surveyed areas 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 			<p>Actions towards achieving Goal 2:</p> <p>RMI is working nationally on improving access to geospatial data.</p> <p>The MOU with the PCA is designed around open access to data, products and services.</p>
Strategic Performance Indicators SPI 2.1	Number of hits downloading data/information from the portal	Study completed of NZ MGI data portals.		
SPI 2.2	Percentage of adequately surveyed area per coastal state	Percentage of adequately surveyed area (ref C-55): <ul style="list-style-type: none"> 79% (<200m) 3% (>200m) 		Upon completion of the PCA agreement, RMI will work closely with the US to establish and improve our hydrographic data holdings. The latest status is contained within C-55

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SPI 2.3	Number of new applications of the new version of Standards for Hydrographic Surveys (S-44)			RMI will work with data collectors as appropriate to utilize the new standards as appropriate.
SPI 2.4	Number of HOs reporting success applying the principles in their national contexts (2026: 70%)	See above - RMI actions towards achieving Goal 2		

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GOAL 3	Target	Current State	Gap	Actions
Goal 3: Participating actively in international initiatives related to the knowledge and the sustainable use of the Ocean	<ul style="list-style-type: none"> Collaborate with other bodies who deliver capacity-building and training to improve effectiveness of capacity-building activities and programmes Improve knowledge of the world's seafloors Implement a comprehensive IHO digital communication strategy in order to enhance its visibility and accessibility to its work 			<p>Actions towards achieving Goal 3:</p> <p>MSI training has been provided, warnings are generated and forwarded to NAVAREA XI (Japan) and the PCA .</p> <p>RMI is in the process of responding to IHO CL 11/2019 Annex B ACCEPTANCE OF CROWDSOURCED BATHYMETRY ACTIVITIES IN NATIONAL WATERS OF JURISDICTION</p> <p>RMI bathymetry and ENC depths are available from the IHO DCDB</p>
Strategic Performance Indicators				
SPI 3.1	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%)	RMI is capable of providing MSI according to joint IMO/IHO/WMO manual on MSI	Nil	Continue to deliver MSI information as appropriate.
SPI 3.2	Percentage of Coastal States that are able to provide marine safety information (MSI) according to the joint IMO/IHO/WMO manual on MSI (2026: 90%)	RMI is able to provide MSI according to joint IMO/IHO/WMO manual on MSI	Nil	Continue to deliver MSI information as appropriate.
SPI 3.3	Number of contributors to DCDB who are not hydrographic offices	0		RMI is working to coordinate the collection and archiving of hydrographic data within the nation. Data will be provided to the PCA and IHO DCDB.
SPI 3.4	Percentage of total sea area that is Seabed 2030 compliant for incorporation into the GEBCO dataset and services	Seabed 2030 Project to advise		Seabed 2030 Project to advise
SPI 3.5	Number of visits, likes, re-postings, etc. associated with the IHO social media sites	IHO Secretariat to advise		IHO Secretariat to advise
SPI 3.6	Volume downloaded from the IHO website and Geographical Information System (GIS)	IHO Secretariat to advise		IHO Secretariat to advise