Summary of IHO Strategic Plan/ RHC-owned SPIs

(Source: Annexure B of the Annual Report of the IHO 2023)

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SOUTHERN AFRICAN & ISLANDS HYDROGRAPHIC COMMISSION

IHO STRATEGIC PLAN 2021-2026

Purpose

To identity specific strategic goals and targets that will direct the IHO's Work Programme in a way that will foster the IHO vision, mission, and objects

Vision

To be the authoritative worldwide hydrographic body which actively engages all coastal and interested States to advance maritime safety and efficiency and which supports the protection and sustainable use of the marine environment

Mission

To create a global environment in which States provide adequate, standardized and timely hydrographic data, products and services and ensure their widest possible use

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IHO STRATEGIC PLAN 2021-2026

GOAL 1 EVOLVING THE HYDROGRAPHIC SUPPORT FOR SAFETY AND EFFICIENCY OF MARITIME NAVIGATION, UNDERGOING PROFOUND TRANSFORMATION

On-going transformation in navigation, such as e-navigation, autonomous shipping, reduction of emissions, lead to profound evolution of hydrographic services, in a context of high demands for digital data

Goal 2 INCREASING THE USE OF HYDROGRAPHIC DATA FOR THE BENEFIT OF SOCIETY

The ever-growing applications of marine data entails that IHO takes a more prominent role in cultivating the use of hydrographic data through cooperative and collaborative efforts and identifying the need for collecting more data

Goal 3 PARTICIPATING ACTIVELY IN INTERNATIONAL INITIATIVES RELATED TO THE KNOWLEDGE AND THE SUSTAINABLE USE OF THE OCEAN

IHO's ambition to be an effective and recognized contributor to the major Ocean related challenges identified by the international community

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TARGETS AND SPI FOR GOAL 1

Targets		
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
	1.1.1	Percentage of Member States having operationalized production and distribution of hydrographic data products and services based on S-100
	1.1.2	Number of hydrographic data products and services based on S-100 that cater for the new requirement: autonomous shipping, reduction of emissions

SPI 1.1.1	Metrics	Member States distribute at least one product on S-100						
	Year	2021	2022	2023	2024	2025	2026	60%[2]
		0%	0%	0%	-	-	-	60%
SPI 1.1.2	Metrics	Product Specifications should be operational (e.g. Edition 2.0.0 approved by Member States)						
	Year	2021	2022	2023	2024	2025	2026	10[3]
		0	0	0	-	-	-	10

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2 – Based on 64 of 94 Member States produce S-57 ENCs

3 – S-101, S-102, S-104, S-111, S-122, S-124, S-127, S-128, S-129, S-131

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TARGETS AND SPI FOR GOAL 1

Targets		
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
	1.2.2	Percentage of navigationally significant areas for which the adequacy of the hydrographic knowledge is accessed through the use of appropriate quality indicators

SPI 1.2.1	Metrics	10 Product Specifications (same as in SPI 1.1.2) includes cyber security and data quality assessment						
	Year	2021	2022	2023	2024	2025	2026	10[4]
		0	0	0	-	-	-	
SPI 1.2.2	Metrics	Navigationally significant areas: areas covered by ENCs in Usage Bands 5 to 3 Indicator: % data coverage in ENCs, where CATZOC value is other than U (unassessed) and Unavailable						
	Year	2021	2022	2023	2024	2025	2026	100%
	H-SAIHC		93.3%	93.3%	-	-	-	

4 – S-101, S-102, S-104, S-111, S-122, S-124, S-127, S-128, S-129, S-131

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TARGETS AND SPI FOR GOAL 1

Targets		
1.3		Use capacity building and training to develop and increase the ability of Member States to support safety and efficiency of maritime navigation
	1.3.1	Ability and capability of Member States to meet the requirements and delivery phases of the S-100 implementation plan

SPI 1.3.1[1]	Metrics	Ability and capability of Member States to meet the requirements and delivery phases of the S100 implementation plan						
	Year	2021	2022[1]	2023[2]	2024	2025	2026	50%
		-	Yes	53%	-	-	-	-

1 – The SPI measures the ability and capability to meet the requirements, not the production itself

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Southern African & Islands Hydrographic Commission

TARGETS AND SPI FOR GOAL 2

Targets		
2.1		Build a portal to support and promote regional and international cooperation in marine spatial data infrastructure (MSDI)
	2.1.1	Number of hits downloading data/information from the portal

SPI 2.1.1	Metrics	Portal in design phase, download counting technology to be implemented.					
	Year	2021	2022	2023	2024	2025	2026
		Number of hits downloading data/information from the portal					
		-	461	456	-	-	-

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TARGETS AND SPI FOR GOAL 2

Targets		
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
	2.2.2	Number of new applicants of the new version of standards for hydrographic surveys (S-44)

SPI 2.2.1	Metrics	Technology to generate percentage figures from C-55 under discussion					
	Year	2021	2022	2023	2024	2025	2026
		Percentage of adequately surveyed area per coastal state					
		Number of Coastal States within the percentage band of adequate surveyed areas (C55)					
	0%<= area<25%, Depth <200m		69	70	-	-	-
	0%<= area< 25%, Depth >200m		82	81	-	-	-
	25%<= area< 50%, Depth <200m		25	25	-	-	-
	25%<= area< 50%, Depth >200m		20	20	-	-	-

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TARGETS AND SPI FOR GOAL 2

Targets		
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
	2.2.2	Number of new applicants of the new version of standards for hydrographic surveys (S-44)

	50%<= area< 75%, Depth <200m	20	23	-	-	-	
	50%<= area< 75%, Depth >200m	17	18	-	-	-	
	75%<= area< 100%, Depth <200m	34	31	-	-	-	
	75%<= area< 100%, Depth >200m	21	20	-	-	-	
SPI 2.2.2	Metrics	Number of downloads of S-44. New applications/survey methods/platforms used as a result of s-44 Edition 6.0.0.					
	Year	2021	2022	2023	2024	2025	2026
	Downloads/Applications	59/0	312/0	1312/0	-	-	-

TARGETS AND SPI FOR GOAL 2

Targets		
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
	2.3.1	Number of HOs reporting success applying the principles in their national contexts

SPI 2.3.1	Metrics	Extension of P-5 required					
	Year	2021	2022	2023	2024	2025	2026
		Number of Hos reporting success applying the UN shared guiding principles for geospatial information management in order to ensure in their national contexts. % of Yes/Full (from 34 Member States)					
	Representation		72%	72%	-	-	-
	Governance		81%	81%	-	-	-
	Compliance		94%	94%	-	-	-

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TARGETS AND SPI FOR GOAL 3

Targets		
3.1		Collaborate with other bodies who deliver capacity building and training to improve effectiveness of capacity building activities and programme
	3.1.1	% of coastal states that are able to provide marine safety information (MSI) according to the joint IMO/IHO/WMO manual on MSI

SPI 3.1.1	Metrics	Percentage of Coastal States that are capable to provide marine safety information (MSI) according to the joint IMO/IHO/WMO manual on MSI [WWNWS and CBSC tasked to develop a collaborative approach how to measure and count.]						
	Year	2021	2022	2023	2024	2025	2026	90%
			62%	87%	-	-	-	

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TARGETS AND SPI FOR GOAL 3

Targets		
3.2		Improve knowledge of the world's seafloors
	3.2.1	Amount of data received per year by the IHO Data Centre Digital Bathymetry (DCDB)
	3.2.2	Number of contributors to DCDB who are not hydrographic offices
	3.2.3	Percentage of total sea area that is Seabed 2030 compliant for ingestion into the GEBCO dataset and services

SPI 3.2.1	Metrics	Amount of data received per year by the IHO Data Centre for Digital Bathymetry (DCDB tasked to start measurement)					
	Year	2021	2022	2023	2024	2025	2026
	Datasets/Surveys		375	180	-	-	-
SPI 3.2.2	Metrics	Number of contributors to DCDB who are not hydrographic offices (DCDB tasked to measure.)					
	Year	2021	2022	2023	2024	2025	2026
			4	3	-	-	-
SPI 3.2.3	Metrics	Percentage of total sea area that is Seabed 2030 compliant for ingestion into the GEBCO dataset and services [DCDB tasked to start measurement in collaboration with BOC (UK)]					
	Year	2021	2022	2023	2024	2025	2026
			23.4%	24.9%	-	-	-

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TARGETS AND SPI FOR GOAL 3

Targets		
3.2		Implement a comprehensive IHO digital communication strategy in order to enhance its visibility and accessibility to its work
	3.3.1	Number of visits, likes, re-postings, etc. associated to IHO social media sites
	3.3.2	Volume downloaded from the IHO website and Geographical Information System

SPI 3.3.1	Metrics	Followers/Views on LinkedIn, Facebook and Twitter					
Year		2021	2022	2023	2024	2025	2026
in		4263/177,600	6525/245,573	8821/322,413	-	-	-
f		673/2049	954/2711	1267/27,680	-	-	-
X		566/77,200	973/58200	1175/62,100	-	-	-

SPI 3.3.2	Metrics	Volume downloaded from the IHO website and Geographical Information System(GIS)					
Year		2021	2022	2023	2024	2025	2026
IHO website views		380,946	863,322	921,575	-	-	-
User groups identified		5	-	-	-	-	-
Volume downloaded from GIS		-	-	-	-	-	-

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THANK YOU