



THE INTERNATIONAL HYDROGRAPHIC ORGANIZATION

IHO SPI SUMMARY

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Purpose

To identify 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.

Challenges

Overview of the strategic context within which the IHO and MSs operate now and will operate in the near future and how this may impact activities



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GOALS, TARGETS FOR 2026 AND SPI

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GOAL 1 EVOLVING THE HYDROGRAPHIC SUPPORT FOR SAFETY 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



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

		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		% of MSs having operationalized production and distribution of hydrographic data products and services based on S-100
1.1.2		# 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 based on S-100.						
	2021	0%	2022	2023	2024	2025	2026	60% ²
	2022		0%	2023	2024	2025	2026	60% ²

SPI 1.1.2	Metrics	Product Specifications should be operational (e.g. Edition 2.0.0 approved by Member States.)						
	2021	0	2022	2023	2024	2025	2026	10 ³
	2022		0	2023	2024	2025	2026	10 ³



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Targets	
1.2	Develop standards, specifications and guidelines in the areas of data assurance, including cyber security and data quality assessment
1.2.1	% 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	% 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.						
	2021	0	2022	2023	2024	2025	2026	10 ⁴
	2022		0	2023	2024	2025	2026	10 ⁴
SPI 1.2.2	Metrics	Methodology to measure based on CATZOC evaluation under development.						
	2021	/	2022	2023	2024	2025	2026	100%
		% Surface CATZOC/ENC						
	2022 H-SAIHC		93.3%	2023	2024	2025	2026	



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Targets	
1.3	Use capacity building and training to develop and increase the ability of MSs to support safety and efficiency of maritime navigation
1.3.1	Ability and capability of MSs 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. Filled IGIF template provided by WEND WG ² . Figures are "yes/partially/no" per each RHC. Target 50%.						
	2021	/	2022	2023	2024	2025	2026	50%
	2022		Yes	2023	2024	2025	2026	?



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

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

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



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

Targets	
2.2	Promote new tools and methods to accelerate and increase coverage, consistency, quality of surveys in poorly surveyed areas
2.2.1	% of adequately surveyed area per coastal state
2.2.2	# 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.														
	2021	See C-55	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)						Number of downloads of S-44. New applications/survey methods/platforms used as a result of S-44 Edition 6.0.0.								
		SPI 2.2.2						2021 downloads	59	2022	2023	2024	2025	2026		
								2021 applications	0	2022	2023	2024	2025	2026		
								2022 downloads		312	2023	2024	2025	2026		
								2022 applications		0	2023	2024	2025	2026		



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

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 # of HOs reporting success applying the principles in their national contexts

SPI 2.3.1	Metrics	Extension of P-5 required.					
	2021	0	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 2022	72%	2023	2024	2025	2026	
	Governance 2022	81%	2023	2024	2025	2026	
	Compliance 2022	94%	2023	2024	2025	2026	



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

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Targets								
3.1		Collaborate with other bodies who deliver capacity building and training to improve effectiveness of capacity building activities and programmes						
	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.]						
	2021	0	2022	2023	2024	2025	2026	90%
	2022		62%	2023	2024	2025	2026	



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Targets	
3.2	Improve knowledge of the world's seafloors
3.2.1	Amount of data received per year by the IHO DCDB
3.2.2	# of contributors to DCDB who are not hydrographic offices
3.2.3	% 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 in 2022)			
	2021	/	2022	2023	2024
	Datasets/Surveys 2022		375	2023	2024

SPI 3.2.3	Metrics	Percentage of total sea area that is Seabed 2030 compliant for ingestion into the GEBCO dataset and services (start measurement in collaboration with GEBCO in 2022)			
	2021	/	2022	2023	2024
	2022		23,4%	2023	2024

SPI 3.2.2	Metrics	Number of contributors to DCDB who are not hydrographic offices (DCDB tasked to measure.)				
	2021	/	2022	2023	2024	
	2022		4	2023	2024	2025



THANK YOU FOR YOUR ATTENTION

