Members, Associate Members and Observer States

**Coastal State: Samoa**

| **GOAL 1** | **Target** | **Current State** | **Gap** | **Actions** |
| --- | --- | --- | --- | --- |
| **Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation** | * 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 |  |  | **Primary Charting Authority (NZ) actions towards achieving Goal 1:**  LINZ publish and share document: *Preparing New Zealand for e-Navigation September 2020 - Implementation and Adoption of the S-100 UNIVERSAL HYDROGRAPHIC DATA MODEL – Sep 2020*  LINZ initiates Project Janus Phase 1: investigation and S-100 implementation plan by 2022. |
| **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%** | Project Janus Phase 1 |
| **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 | Project Janus Phase 1 |
| **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%** | Project Janus Phase 1 |
| **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 LINZ 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%** | Project Janus Phase 1 |

| **GOAL 2** | **Target** | **Current State** | **Gap** | **Actions** |
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| **Goal 2: Increasing the use of hydrographic data for the benefit of society** | * 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](http://ggim.un.org/meetings/GGIM-committee/documents/GGIM5/statement%20of%20shared%20guiding%20principles%20flyer.pdf) in order to ensure interoperability and extended use of hydrographic data in combination with other marine-related data |  |  | **Actions towards achieving Goal 2:**   * MSDI is not yet existed in Samoa * 2015 LiDAR dataset procured by the Ministry of Natural Resources and Environment (MNRE) under the “Pilot Program for Climate Resilience (PPCR)” – Enhancing the Climate Resilience of Coastal Resources and Communities. Comprehensive topographic and bathymetric LiDAR survey from *Ridge to Reef* now incorporated into new editions of nautical charts. |
| **Strategic Performance Indicators**  **SPI 2.1** | Number of hits downloading data/information from the portal | NIL | 100% |  |
| **SPI 2.2** | Percentage of adequately surveyed area per coastal state | Percentage of adequately surveyed area (ref C-55):   * 34% (<200m) * 3% (>200m) |  | MBES survey by LINZ has been completed in 2019 |
| **SPI 2.3** | Number of new applications of the new  version of Standards for Hydrographic  Surveys (S-44) |  |  | 2019 LINZ surveys meet LINZ HYSPEC v2.0 (S-44) |
| **SPI 2.4** | Number of HOs reporting success applying the principles in their national contexts **(2026: 70%)** |  |  | Adoption of [UN shared guiding principles for geospatial information management](http://ggim.un.org/meetings/GGIM-committee/documents/GGIM5/statement%20of%20shared%20guiding%20principles%20flyer.pdf)  Review and audit against UN-GGIM IGIF Part 1 & Part 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** | * 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 |  |  | **Actions towards achieving Goal 3:**  Samoa has successfully accepted in the following regional/international projects:   * Pacific Regional Navigation Initiative (PRNI) * Pacific Maritime Safety Programme (PMSP) * IALA / SPC Safety of Navigation (SoN) Project * UKHO Commonwealth Marine Economies (CME) * IHO funded SWPHC Capacity Building activities |
| **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%)** |  |  | Samoa prepared and submitted H-Notes to RCCNZ (NAV-AREA XIV Coordinator) for promulgation into Notice to Mariners. Local Navigational warnings have also been prepared and have available on MWTI & SPA websites |
| **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%)** |  |  | MWTI Officers attended MSI trainings conducted by LINZ as well as those trainings carried out during previous SWPHC meetings |
| **SPI 3.3** | Number of contributors to DCDB who are not hydrographic offices | IHO DCDB to advise |  | IHO DCDB to advise |
| **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 |