

From: **Peter Sparkes**
Chief Executive UKHO
and SAIHC Chair



SAIHC18 Letter No. 6/2022

12 July 2022

To: Members, Associate Members, and Observers of the IHO Southern African and Islands Hydrographic Commission (SAIHC)

Subject: SAIHC Regional Analysis to the IHO Strategic Plan 2021-2026

Dear SAIHC Colleagues,

1. During SAIHC18 in Maputo we enjoyed very productive discussions relating to the goals of the IHOs Strategic Plan 2021-2026, the Strategic Performance Indicators (SPIs) and benefits of conducting a Gap Analysis to enable the mapping of the current state, gaps and actions required to close these gaps. SAIHC18 action #3 under agenda item SAIHC18-2.3 refers.
2. This subject is complex and will reveal a variety of challenges and priorities across the Members, Associate Members and Observer States of the SAIHC. Accordingly, a half-day Video Teleconference Call (VTC) will be convened on 20 September 2022 between 0900-1200 (CAT).
3. The proposed SAIHC template at **ANNEX A**, is an adaptation from the original Gap Analysis Template generated by the South West Pacific Hydrographic Commission (SWPHC). The aim is to discuss this during the aforementioned VTC so Members, Associate Members and Observer States of the SAIHC are in an informed position to complete the Template, by **30 November 2022**.
4. Please provide the name and email of your respective lead representatives to SAIHC Secretary laura.hewson@ukho.gov.uk by **29 July 2022**, so the appropriate individuals are invited to the VTC.
5. Should you need more information or have any special requests, please contact Tim Lewis (UK) tim.lewis@ukho.gov.uk who is coordinating this activity in conjunction with France and Norway.
6. Finally, I want to thank you for your professional input to this important subject, I wish you all well and am very much looking forward to meeting as many of you as possible at SAIHC19 in 2023.

Yours sincerely,

Rear Admiral (Retired) Peter Sparkes

Chair Southern African and Islands Hydrographic Commission (SAIHC)

ANNEX A – Gap Analysis Template against the three Strategic goals

Members, Associate Members and Observer States

Coastal State:

GOAL	Target	Current State	Gap	Actions
<p>Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation</p>	<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>e.g.</p> <ul style="list-style-type: none"> • refer to Strategic Performance Indicators (SPI) • IHO Universal Hydrographic Data Model (S-100) not implemented • engagement in IHO and SAIHC WGs • refer to SOLAS Chapter V 	<p>e.g.</p> <ul style="list-style-type: none"> • no current operationalised production and distribution of ENC's • no operationalised production and distribution of S-100 data products and services • limited capability and resources to meet the requirements and delivery of the S-100 implementation plan • lack of support from Government institutions for maritime navigation • Lack of formal National Hydrographic Committee • lack of understanding of maritime navigation transformation • lack of understanding of responsibilities under SOLAS V • lack of trained personnel • lack of equipment 	<p>e.g.</p> <ul style="list-style-type: none"> • participation of Coastal State at the IHO and SAIHC WGs and Committee levels • assistance sought from IHO, Primary Charting Authority, SAIHC, SEAGINEP, IALA, IMO • ensure adequate institutional arrangements in place for Hydrographic Governance • input into SAIHC capacity building plan and participate in activities through IHO capacity building strategy or other donor organisations • engage with relevant Government departments and the Maritime Safety Authority to increase awareness and support for e-Navigation

GOAL	Target	Current State	Gap	Actions
				<ul style="list-style-type: none">• prepare business case for e-Navigation strategy

GOAL	Target	Current State	Gap	Actions
<p>Goal 2: Increasing the use of hydrographic data for the benefit of society</p>	<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>e.g.</p> <ul style="list-style-type: none"> • refer to Strategic Performance Indicators (SPI) • FAIR data principles (Findable Accessible Interoperable and Reusable) accepted and implemented • UN-GGIM Integrated Geospatial Information Framework (IGIF) action plans developed • refer to IHO Publication C-55 Status of Hydrographic Surveying and Nautical Charting Worldwide • use of IHO S-44 	<p>e.g.</p> <ul style="list-style-type: none"> • multiple areas inadequately surveyed • data is poorly managed, unavailable and not shared i.e. open, free and unrestricted • Minimal resources to achieve data collection • Lack of understanding of possible tools and methods that can support data gathering • Lack of coordination between governmental departments / authorities 	<p>e.g.</p> <ul style="list-style-type: none"> • engage with PCA to prepare hydrographic survey programme • prepare survey specifications using IHO S-44 • Implement FAIR data principles • Implement UN-GGIM IGIF • Provide data to existing portals, such as IHO DCDB • assistance sought from IHO, Primary Charting Authority, SAIHC, IALA, IMO, industry • engage with SAIHC MSDIWG • Access data loggers from SAIHC CSB representative • Develop / contribute to domestic policy on data sharing •

GOAL	Target	Current State	Gap	Actions
<p>Goal 3: Participating actively in international initiatives related to the knowledge and the sustainable use of the Ocean</p>	<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>e.g.</p> <ul style="list-style-type: none"> • refer to Strategic Performance Indicators (SPI) • no MSI capability • engage with SAIHC CB activities • lack of knowledge and awareness of UN Decade of Ocean Science or Seabed 2030 Project • data contributed to IHO Data Centre for Digital Bathymetry (DCDB) and Seabed 2030 • CSB initiatives supported • no digital communications strategy for hydrography 	<p>e.g.</p> <ul style="list-style-type: none"> • need to achieve IHO CB Strategy Phase 1 • increase Government knowledge and support for UN Decade of Ocean Science • seafloor data is poorly managed, unavailable and not shared i.e. open, free and unrestricted • no support for hydrography comms 	<p>e.g.</p> <ul style="list-style-type: none"> • engage with regional CB activities i.e. SAIHC, SPC, IALA, IMO and bilateral development programmes • engage with Government institutions to gain support for international ocean initiatives • prepare policy paper to release seafloor data to the IHO DCDB and Seabed 2030 • engage with Seabed 2030 Project to install bathymetric data loggers for CSB initiatives • seek support to develop a communications strategy • contribute papers to the IHR and other seabed publications • develop social media strategy