Hydrographic Services and Standards Committee

Report by HSSC Chair/IHO Secretariat

HSSC11-04.2C

HSSC comments and proposals for the « Future Strategic Plan of IHO »

Introduction

- SPRWG provided a "Draft IHO Strategic Plan" (17th March 2019) where are defined:
 - Strategic Goals
 - Strategic Targets (ST)
 - Strategic Performance Indicators (SPI)
- HSSC relevant elements of the Future IHO Strategic Plan to be considered
- HSSC Chairs were asked to provide their comments on ST and SPI

Future Strategic Plan

Strategic Goal 1

1. Safety and Efficiency of the "transforming navigation"

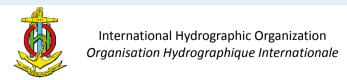
Strategic Targets (ST)

1.1 Deliver Standards, Product Specificatios, implementation strategy support

1.2 Develop standards, best practices (eg. cyber security, data quality assessment)

Strategic Performance Indicator (SPI)

- **1.1.1** S1XX data model and data products implementation strategy/ plan implemented
- **1.1.2** Paper chart production based on ENCs implemented and standardized
- **1.1.3** S1XX Support to Autonomous shippig provided
- **1.2.1** Certified cyber secure data products and services delivered
- 1.2.3 Very shallow water hydrographic data adequacy assessed



Future Strategic Plan

Strategic Goal 2

2. Developing hydrographical geospatial data use for the benefit of sociey

Strategic Targets (ST)

2.2 Adopt/Promote new tools and methods to increase coverege, contistency amd quality of surveys

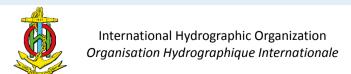
2.3 Adopt and apply UN guiding principles for geospatial information management ensuring interoperability of Hydrographic data with their marine related data

Strategic Performance Indicator (SPI)

2.2.3 S1XX data mode and data products implementation strategy/ plan implemented

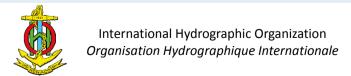
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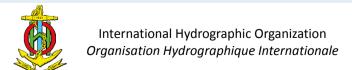
Future Strategic Plan

S.P.I.	WG	Open topics
1.1.1	NIPWG, <u>S100 WG</u> , ENC WG	Draft S-1xx Implementation in preparation
1.1.2	<u>NCWG</u> , ENCWG	NCWG role to be evaluated in accordance with paper chart future
1.1.3	S100 WG, NIPWG, ENCWG, DQWG	
1.2.1	ENCWG, <u>DQWG</u>	
1.2.3	<u>HSPT</u> , DQWG	
2.2.1	<u>DQWG</u>	
2.2.2	<u>HSPT</u>	
2.3.1	<u>S100 WG</u> , NIPWG, DQWG	



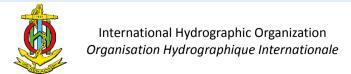
Analysis/Discussion (1)

- Effectiveness of SPI (measurability): general concerns arose about the effectiveness of SPIs and in particular their measurability. A correlated implementation strategy is necessary to achieve the Strategic Targets.
- Connection with the implementation strategy
 - Under development
 - Connection between S-100 Readiness Levels and SPIs
 - (eg. SPI 1.1.1 S1XX data model and data products implementation strategy/plan implemented)



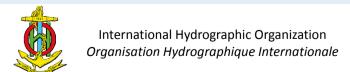
Analysis/Discussion (2)

- Specific comments about STs, and SPIs provided by WG Chairs
- Strategic Goal 1: Safety and Efficiency of the "Transforming Navigation"
 - Explain the concept of "transforming navigation" and correlate it with the S-1xx concept
 - Handover point between HSSC and IRCC responsibilities should be defined. Where does HSSC responsibility ends?
 - Requirements of autonomous shipping to be known in advance



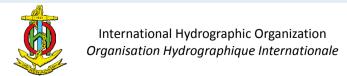
Analysis/Discussion (3)

- Specific comments about STs, and SPIs provided by WG Chairs
- Strategic Goal 2: Developing the use of hydrograph geospatial data for the benefit of society
 - Quality indicators should be applied to all sorts of hydrographic data. How to achieve that?
 - Harmonize DQ indicators within S1xx PS
 - DQ indicators used in the marine domain should be used or translated to land based geo-information systems (eg. Ports, channels, rivers, etc...)



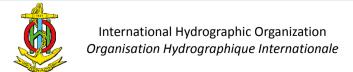
Additional considerations

- Some HOs currently have limited expertise in data models
 - Who will do what?
- Man-machine interaction to be built up
 - What about the industry?
- ISO and other international standards regarding S-1xx aspects of interest should be monitored and WGs should be advised accordingly
 - Who will do that?
- DQWG could provide advices to IRCC WGs/PTs and communicate with other stakeholders outside the IHO for DQ correlated matters
 - Which are the other main connections with IRRC WGs or other external actors?



Future work programme

- Current work is on track against the HSSC Work Plan 2020. All HSSC action items are scheduled, already completed or undergoing
- HSSC WGs were also invited to analyse the draft Future Strategic Plan in preparation of the HSSC Work Programme (2021-2023)



Action required of HSSC

- Comments provided represent the first step towards a consolidated contribute paper for the SPRWG
- The HSSC WGs are invited to:
 - Note this paper
 - Support HSSC Chair in the production of a coordinated HSSC input paper for the SPRWG
 - Be ready to update the HSSC Work Programme in accordance with the revised SP as approved
 - Make any proposal as appropriate

