Hydrographic Services and Standards Committee

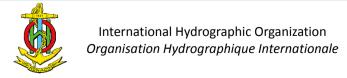
Report by HSSC Chair/IHO Secretariat

HSSC11-04.3A

HSSC input about S100 implementation strategy

Introduction

- C-2 tasked IHO SG, COUNCIL, HSSC and IRCC Chairs to prepare the "S-100 implementation strategy" (action C2/31)
- In March IHO provided a "Draft Skeleton"
- Document composed by four main contributions:
 - IHO
 - HSSC
 - COUNCIL
 - IRCC



Introduction

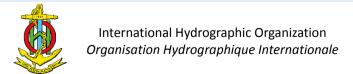
- HSSC contribution should focus on the state of the art of the standards and their implementation procedure
 - → Technical contribution
- WGs Chairs have been asked to provide their contribution

Analysis/Discussion

- A Strategic Implementation Plan should:
 - Refer to the IHO Strategic Plan
 - Highlight Strategic Targets (ST) achievement throughout Strategic Performance indicators (SPI)
- Measurable SPI needed
- Unique governing body to provide guidance and effectiveness to the implementation process

Analysis/Discussion

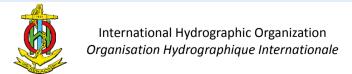
- What should be in the plan from the HSSC point of view
- Provide Answers
 - Why the S-100
 - Why a strategy
 - Who will implement the strategy (actors)
 - How the strategy will be implemented
 - When it will be implemented
 - Which are the phases of the implementation
- Easy document



General considerations

1. Introduction/Background

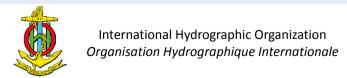
- Scope
- IHO Strategic Plan reference
- Definitions (S-100, E-nav, etc..)
- IMO directions and SOLAS obligations (quotes of IMO directives)
- Governance and definition responsibilities in the implementation



General considerations

2. Analysis/Developments

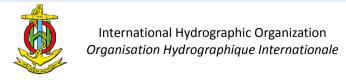
- ENCs present and future
- S-100 concept
- PSs development, data interoperability, data management, data dissemination, data integrity
- Necessity of standards synchronisation and the effects of on board systems
- Data assurance
- S-98 Standard for Data Products Interoperability, backward compatibility, quality and harmonization, Levels of interoperability
- Unique Identifier System



General considerations

3. Implementation

- Roadblocks to implement and support the plan Readiness Level concept
- Provision of standards
- · Levels of interoperability and when to implement each level
- Operationalisation of data
- Actors of the S-100 implementation
- Responsibilities and role of each actor
- HOs role, Future of RENC role, PSs dissemination and distribution
- Capacity building



HSSC contributions

Implementation levels definition

- Transition phases, milestones, timeline
- Technical Readiness Levels

Provision of standards

- PS structure
- Interoperability aspects (S-98 development) and responsibility
- Harmonization and responsibility
- Data management issue

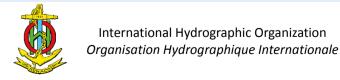
Synchronization of standards and products

- Provision of synchronised products
- Industry level of readiness
- Guidance for data producers

Operationalization of the data

- Data protection
- Service distribution (cloud service)

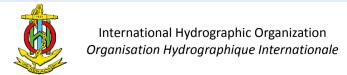
Note: IRCC contribution



HSSC Contribution

Implementation levels definition	Transition phases, milestones, timeline	HSSC Chair, S-100 WG
	Technical Readiness Levels	S-100 WG
Provision of standards	PS structure	S-100 WG
	Interoperability aspects (S-98 development) and responsibility	S-100 WG, NIPWG
	Harmonization and responsibility	DQWG, S-100 WG, NIPWG
	Data management issue	ENC WG
Synchronization of standards and products	Provision / design of synchronised products	<u>NIPWG,</u> S-100 WG
	Industry level of readiness	S-100WG, NIPWG
	Guidance for data producers / WENS?	WEND WG
Operationalization of the data	Data protection	ENC WG
	Service distribution (cloud service)	S-100WG, IRCC (RENCs + HOs)

Note: IRCC contribution



Action required of HSSC

The HSSC WGs are invited to:

- note this paper
- make any proposal as appropriate
- Instruct HSSC Chair addressing specific WGs/PTs for contribution
- Collect WGs contribution NLT the end of May

