

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	<u>S-100 WG</u> , NIPWG
	Harmonization and responsibility	<u>DQWG</u> , 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



International Hydrographic Organization
Organisation Hydrographique Internationale

IHO COUNCIL

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**

