



14th Meeting of the Hydrographic Services and Standards Committee

Report on the application of ISO 9001 Principles in the development of S-101 PS

Agenda Item HSSC14-05.5B

HSSC-14, Denpasar, Bali, Indonesia - Hybrid Event, 16 – 19 May 2022



IHO

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International
Hydrographic
Organization

- **C5** endorsed the HSSC proposal that ISO 9001 principles will be experimented on the development of the Product Specification for ENC S-101 ed. 2.0.0 and to report at **C6**.
- Actions decided (HSSC13) :
 - setup of an organization: the “HSSC ISO 9001 Cell” = Project Control Officers (PCO), DQWG and S-100WG/S-101PT.
 - HSSC ISO9001 Cell/S-101 PT to design and maintain a Gantt diagram for experimentation and risk management purposes.



3 VTC meetings

Gantt diagram

Risk and opportunity management document

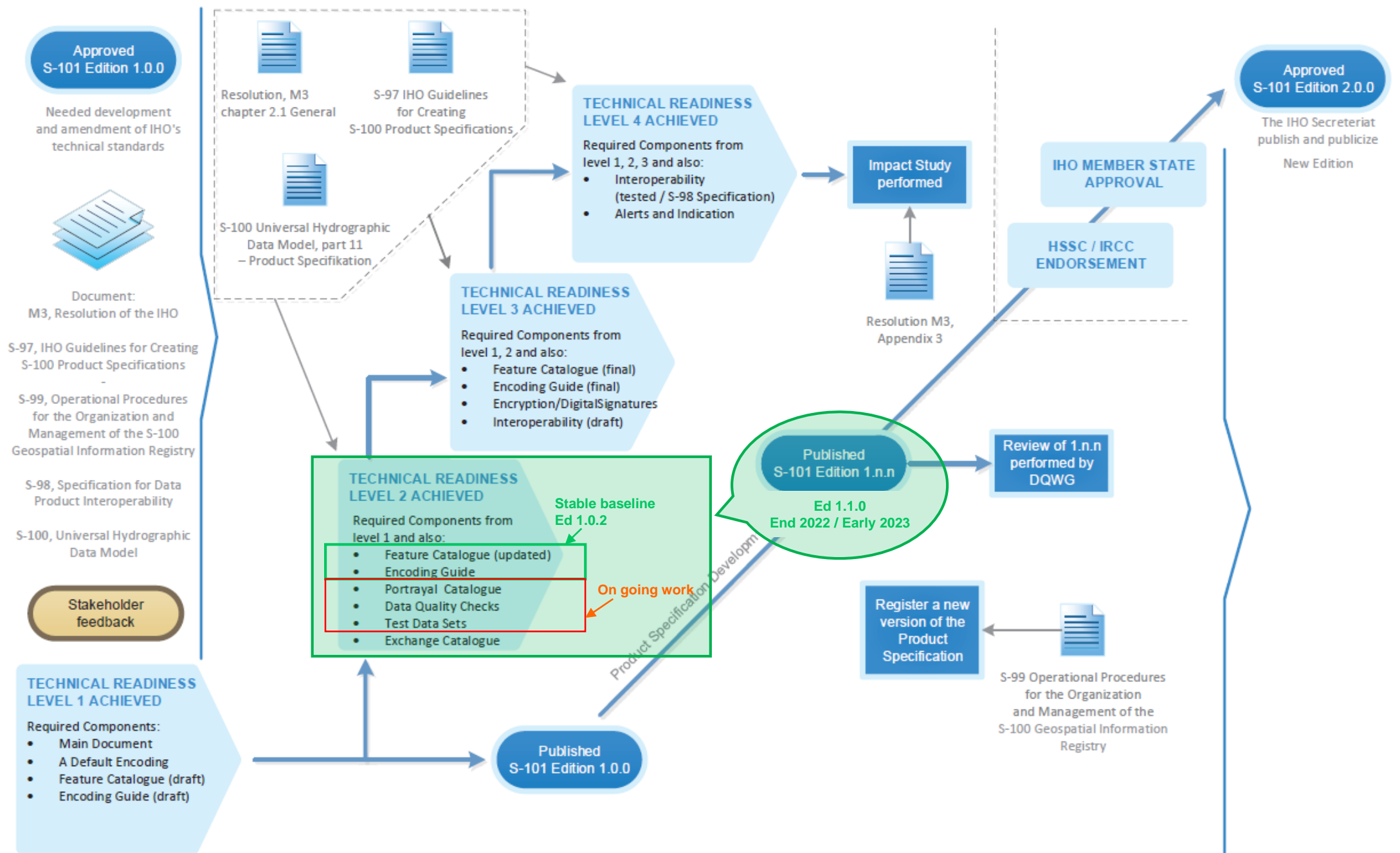


International Hydrographic Organization

Input

Process scheme S-101 Product Specification

Output





IHO

MONITORING THE CRITICAL PATH TO S-101 EDITION 2.0.0

International
Hydrographic
Organization

- Important intermediate milestones have been reached (FC & DCEG ed 1.0.2 are stable baseline)

BUT

- Increase in delays for essential components (portrayal catalog & S-101 test data sets)
- Managing complex projects requires resources

From an ISO perspective, the roadmap set out a plan without due knowledge of the available resources

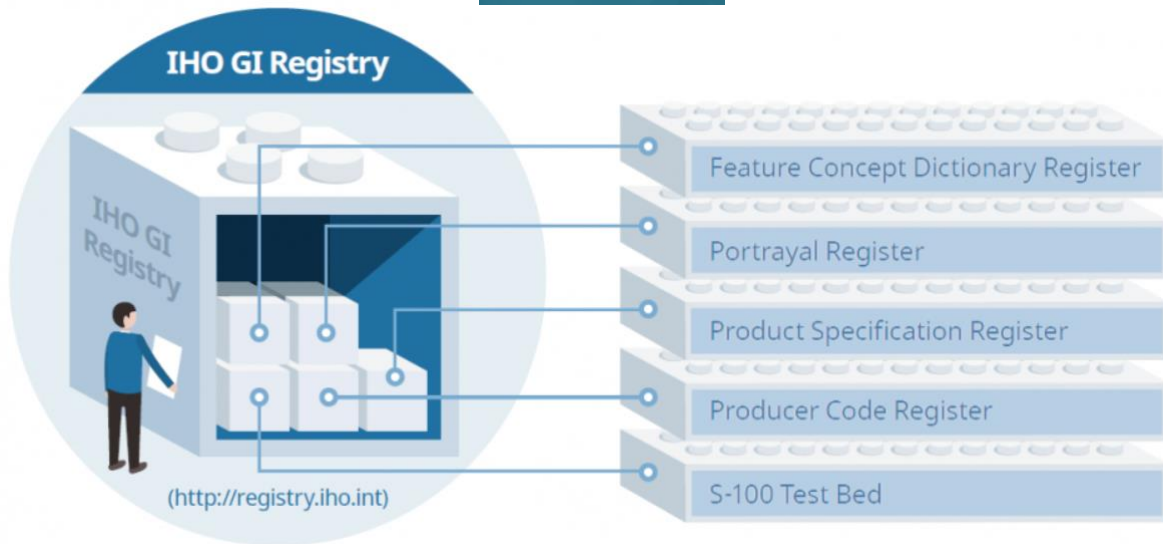


IHO

S-100 GI REGISTRY, INCREASING RESILIENCE

International
Hydrographic
Organization

KHOA Korea Hydrographic and
Oceanographic Agency



GI registry = S-100 backbone

- Standards become mature
- Perspective of the operational implementation

- ➔ Risk identified on the implementation and maintenance of the S-100 GI Registry
- ➔ Need to rely on a more stable and resilient infrastructure
- ➔ Deals with ensuring continuity of service, safeguarding the continuity of expertise



1. Address the risk of not having the S-101 ed 2.0.0 in time :
 - a) Consider to organize quickly a dedicated workshop on Portrayal Catalog
 - b) Explore as a priority how special projects fund could assist with resources the development of the Portrayal Catalogue

2. Increase resilience of the IHO GI Registry :
 - a) Carry out an audit on the implementation and maintenance of the IHO GI Registry, considering the different aspects: technical, organizational, human resources, ...
 - b) Propose relevant actions to improve the management of this tool (first step of PDCA method)
 - c) It may be beneficial for an external party to conduct the audit to identify opportunities for improvement.

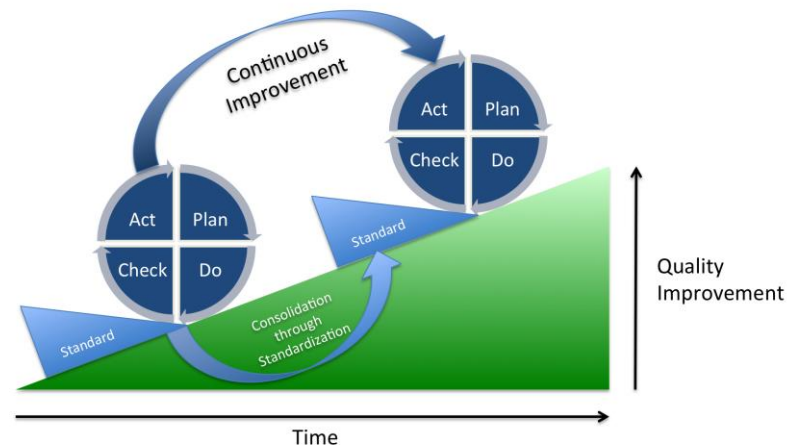


IHO

ACTIONS REQUESTED FROM HSSC

International
Hydrographic
Organization

- a. **Note** this paper
- b. **Endorse** the principle of maintaining the “HSSC ISO 9001 cell” active, at least until the approval of S-101 Edition 2.0.0 (ISO cell maintain Gantt diagram & Risks and opportunity management doc)
- c. **Discuss** proposed recommendations and initiate any actions as considered as necessary





IHO

International
Hydrographic
Organization

THANKS

HSSC-13, IHO Secretariat, Monaco + VTC, 03 – 07 May 2021