S-101 Portrayal subWG Update

Coordinate and manage the development of S-101 portrayal ~~and DF-ECDIS performance requirements~~ that guarantee, no ~~functional or~~ data presentation 'gaps' with the current IHO standards ~~and IMO resolutions~~ exist by the end of 2022.

Coordinate and manage the development of S-101 portrayal that guarantee, no data presentation 'gaps' with the current IHO standards exist by the end of 2022. Identify opportunities for new symbology and ECDIS performance standards and triage their suitability for implementation during DF-ECDIS transition period.

- *Stood up in 2020*

- *28 Members - 11 from MS (8 countries) ; 15 from industry; 1 Mariner (Carnival); 2 S-401*

- *Github as the main communication platform*

- *43 Github Issues (28 still open)*

- *Annual VTC meetings (2020 & 2021)*

- *80 Actions*

  - *22 completed*

    - ❏ *106 items open in the 'S-57 Remodelled objects and attributes' spreadsheet (final version in Github)*

  - *6 On Hold*

  - *8 Underway*

  - *43 Pending*

- *Portrayal catalogue managed by NIWC in a dedicated Github space under IHO domain*

- *Proposed new symbology developed by KHOA (43 requests but only resources to complete 15 prototypes this year)*

➢No resources to provide 'on-demand' S-101 native dataset to support testing of new portrayal or ECDIS performance proposals. They will require access to production tools where the manufacturer is capable of and willing to generate and deliver interim (non-official) Feature Catalogue versions.

➢Not enough resources to timely develop SVG symbol prototypes to help with decision making processes.

➢Uncertainty regarding DF-ECDIS approval process for new portrayal or ECSIS performance proposals that have been approved in principle by the subWG and the PT. *What development/testing tasks can be delayed due to the fact they won't be approved for DF_ECDIS implementation??*

International Hydrographic Organization

➢ *The portrayal subWG has decided to move each entry into a dedicated Github issue.*

S-101 Portrayal and ECDIS Performance Requirements log

Req. #	Date of registration	STATUS	Approved at	Documents	Short Description	Areas of development			Modelled ?	Tested?		
						Feature Catalogue	Portrayal Catalogue	OEM - ECDIS		Test Bed	Mariners Input	
1	20/10/2020	Withdrawn		S101PT5 -16	Automated downgrading of QoBD using new proposed attributes: categoryOfQobd (or CATZOC); temporalValidity; lowestQobdCategory and downgradeQobd.	Yes	Yes	?????	Not Possible (reported by NIWC)	N/A	N/A	Refer to Github Issue # 4. A new proposal from NIWC (fixedDateRange) and end ranges) to directly influenc encoding guidance should
2	9/12/2020	Pending	S101PT6	NCWG3-08.4A S101PT5-21	New portrayal options fro category of QoBD (screen wide & ship centered options).	No	Yes	Yes	No	No	No	Refer to Github Issue # 7.
					New ECDIS performance - Safety function - Include category of QoBD as a trigger for Alarms/Warnings during Route planning and route monitoring.	No	Yes	Yes ?	No	No	No	
3	9/12/2020	Pending	S101PT6	DQWG-05.1B S101PT5 -13	QoBD - Visualization of Vertical and Horizontal Position uncertainties	Yes	Yes	Yes ?	No	No	No	Refer to Github Issue # 1.
4	9/12/2020	Pending	S101PT6	S101PT5-17	Standardisation of the 'Review Update' function in ECDIS. Include ability to, during route check planning face, highlight and report 'ENC update changes' applied since last review.	No	Yes	Yes	No	No	No	Refer to Github Issue # 5.
5	29/06/2021	Pending	TBS	Unknown yet	Implementation of standardised MSVS that 'align with' (tabulated value + 1) DCEG 2.5.9 Table 6 entries.	No	No	Yes	No?	No?	No	Informally discussed at v S101PT7 (Nov 2021). Refe
6												
7												

Portrayal Proposals

Workflow:

S-101 Portrayal Update Process Workflow
This process must be followed when proposing changes and/or additions to the content of the S-101 portrayal.
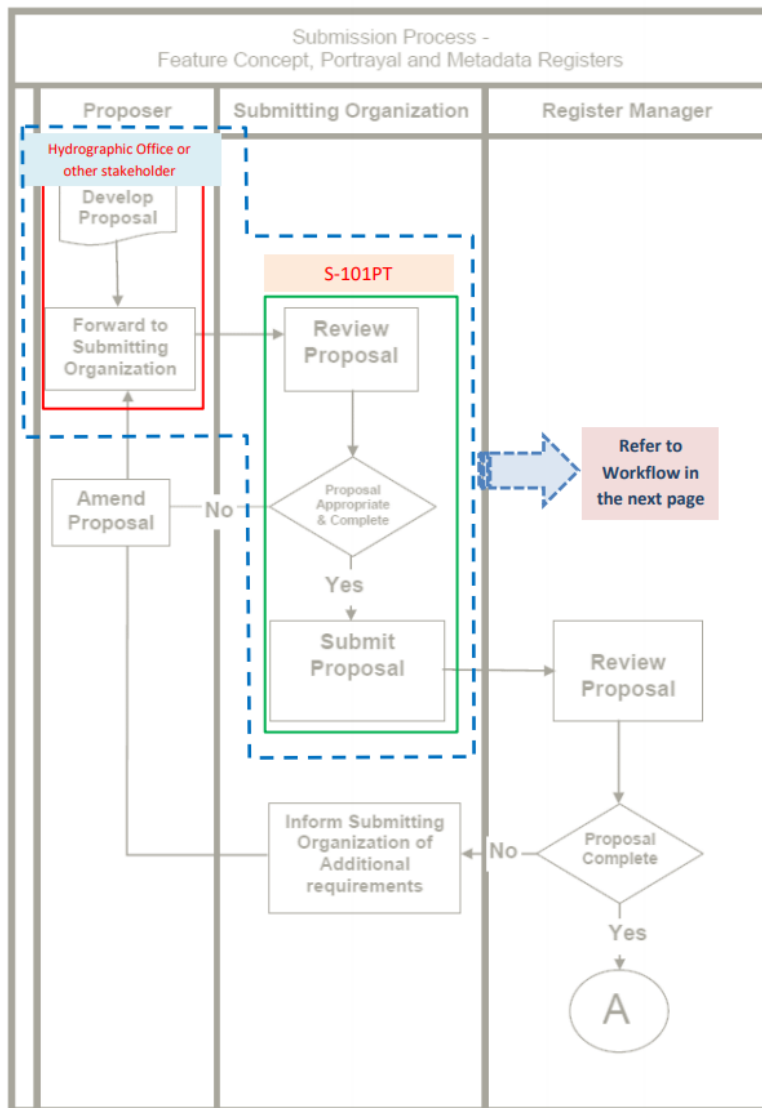
Submission Process - Feature Concept, Portrayal and Metadata Registers

Proposer	Submitting Organization	Register Manager

Hydrographic Office or other stakeholder

Develop Proposal

S-101PT

Forward to Submitting Organization

Review Proposal

Refer to Workflow in the next page

Amend Proposal — No

Proposal Appropriate & Complete

Yes

Submit Proposal

Review Proposal

Inform Submitting Organization of Additional requirements — No
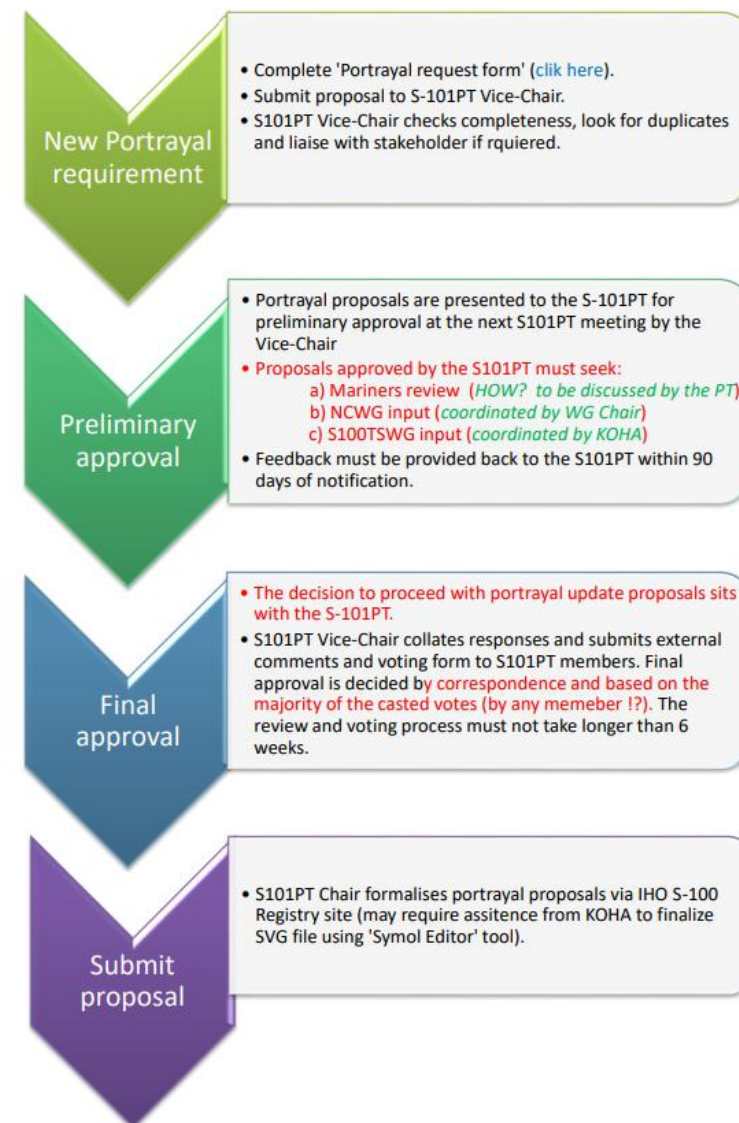
Proposal Complete

Yes

A

Figure 3 – Processing of Proposals

Extract from S-99 Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry Ed1.1.0

S-101 Portrayal Update Process Workflow
This process must be followed when proposing changes and/or additions to the content of the S-101 portrayal.

New Portrayal requirement
- Complete 'Portrayal request form' (clik here).
- Submit proposal to S-101PT Vice-Chair.
- S101PT Vice-Chair checks completeness, look for duplicates and liaise with stakeholder if rquiered.

Preliminary approval
- Portrayal proposals are presented to the S-101PT for preliminary approval at the next S101PT meeting by the Vice-Chair
- Proposals approved by the S101PT must seek:
  a) Mariners review (HOW? to be discussed by the PT)
  b) NCWG input (coordinated by WG Chair)
  c) S100TSWG input (coordinated by KOHA)
- Feedback must be provided back to the S101PT within 90 days of notification.

Final approval
- The decision to proceed with portrayal update proposals sits with the S-101PT.
- S101PT Vice-Chair collates responses and submits external comments and voting form to S101PT members. Final approval is decided by correspondence and based on the majority of the casted votes (by any memeber !?). The review and voting process must not take longer than 6 weeks.

Submit proposal
- S101PT Chair formalises portrayal proposals via IHO S-100 Registry site (may require assitence from KOHA to finalize SVG file using 'Symol Editor' tool).

Portrayal Proposals
Form: (link)

Used to

Propose new or amend existing:
- *Fonts*
- *Colours*
- *Alarms/Indications*
- *Symbology*
- *CSP (Rule)*

Recommendations

1. Endorse the subWG decsions and actions as documented in the document: *S101 Portrayal subWG summary report_01DEC2021_v2.xls*

2. Add the new decisions in the S101PT master log of decisions and actions.

3. Stablish a process to facilitate the timely creation of native S-101 datasets in support of testing. Run by volunteers woulkd be preferred but if not possible, consider access to IHO 'Special funds' to engage a contractor.

4. Promote a long term agreement with the IHO-Singapore lab to facilitate an agile process to obtain mariner's input regarding S-101 portrayal, A & I and ECDIS performance proposals that guarantees user input in support of IHO's decision making processes.