



NIPWG VTC 03 (2023)

S-125 Marine Aids to Navigation Update

Agenda Item x.x.x

NIPWG VTC03 - Wednesday 6th December 1200-1500 UTC



IHO

ARM17 ACTIVITIES

International
Hydrographic
Organization

- IALA ARM17 (October 2023)
 - Discussion with DTEC task group
 - S-125 AtoN Maritime Service Specification
 - Open Digital Incubator Initiative
 - Update of S-125 GML Schema (Inheritance errors)
 - IHO NIPWG - S-125 Comments
 - Discussion on S-125 Ed. 0.0.3 comments from IHO NIPWG
 - Liaison note on response to the IHO NIPWG comments
 - China MSA input paper
 - Proposal for portrayal Method of Updated Data of S125 on ECDIS



IHO ARM17 ACTIVITIES

International Hydrographic Organization

- IHO NIPWG - S-125 Comments
 - ARM S-125 TG discuss the feedback from NIPWG
 - Issue the Liaison note to IHO NIPWG
 - IALA Council79 review and approve the Liaison note in next week

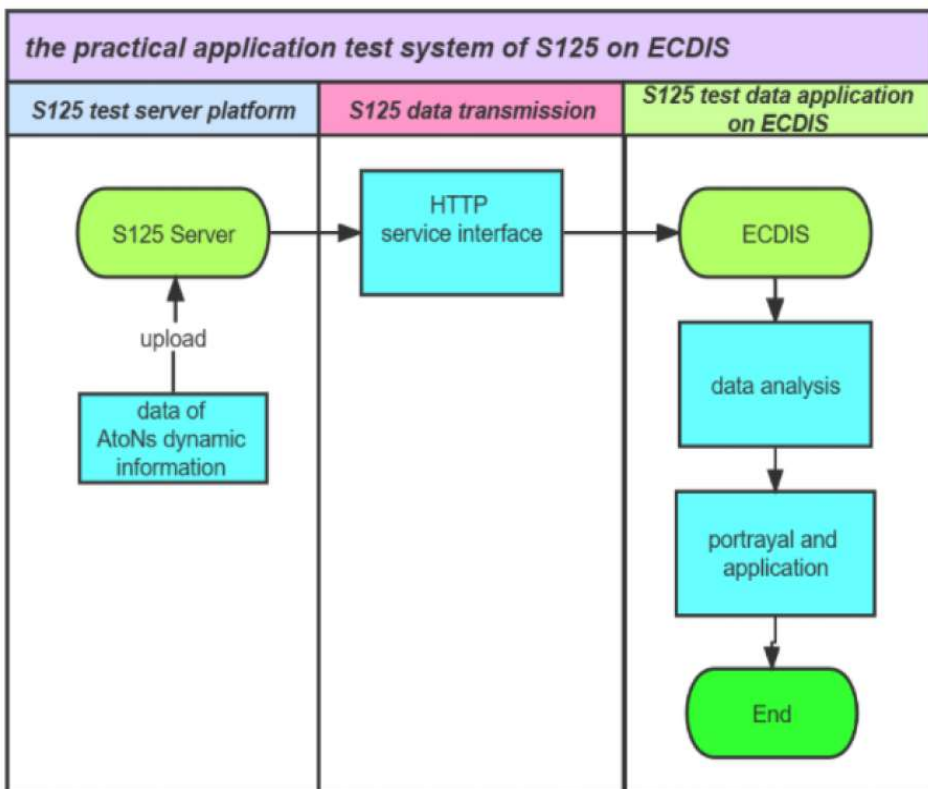
S-125 comments and editorial observations							Date: 2023-10-26	Document:
1	2	(3)	4	5	(6)	(7)		
Component	CO ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table /Note (e.g. Table 1)	Type of comment ²	Comment (justification for change) by the CO ³	Proposed change by the CO	IALA ARM17 observations on each comment submitted	
PS	ntou	UML diagrams		ed	Readability of the UML diagram is negatively affected by the colour fill (shading) used for the UML diagram.	Please consider to use lighter colours (and without gradient) which provide better contrast and readability (on screen or print out). Thank you.	Investigate alternatives	
PS	ntou			te	'SyntheticAIS AidToNavigation ' is not found in GI Registry. Definition of 'PhysicalAIS AidToNavigation ' in GI registry is: "An Automatic Identification System (AIS) message 21 transmitted from a physical Aid to Navigation, or transmitted from an AIS station for an Aid to Navigation which physically exists." It seems to be following IMO's definition and already includes 'SyntheticAIS AidToNavigation '. IMO MSC.1/Circ.1473 states that physical AIS AidToN is an AIS Message 21 representing an aid to navigation that physically exists.	Clarify the definition, add definition, so that they can be properly modelled accordingly.	Definition will be proposed to GI Registry	
PS	ntou	all (6.2)	Structure- Equipment p.14	te	S-125 Ed.0.0.3 includes some structure features, e.g. Landmark, Pile, OffShorePlatform , Silo/Tank. Is it necessary or useful, for S-125, to encode structures which are not of an AidsToNavigation type themselves? Encoding involves feature classification, attributes, geometries.... There are cases where navigation lights and RACONS are fitted directly on the breakwater or bridge of geometry other than points. Each equipment object has its own geometry (point only), which is not necessarily the same as the recent structure...	Merge the Abstract features 'Structure Object' and 'Equipment' into their superType 'Aids To Navigation'.	S-125 is subset of S-201 and this changes will break the relationship with S-201	



IHO ARM17 ACTIVITIES

International Hydrographic Organization

- China MSA input paper
 - Based on S-125 0.0.3, China MSA produced the S-125 data and tested those in ECDIS





IHO ARM17 ACTIVITIES

- China MSA input paper

- Proposal for portrayal Method of Updated Data of S-125 on ECDIS
- ARM17 discussed incremental update and agreed to address it in S-125



The symbol of light operating properly increases the information burden on

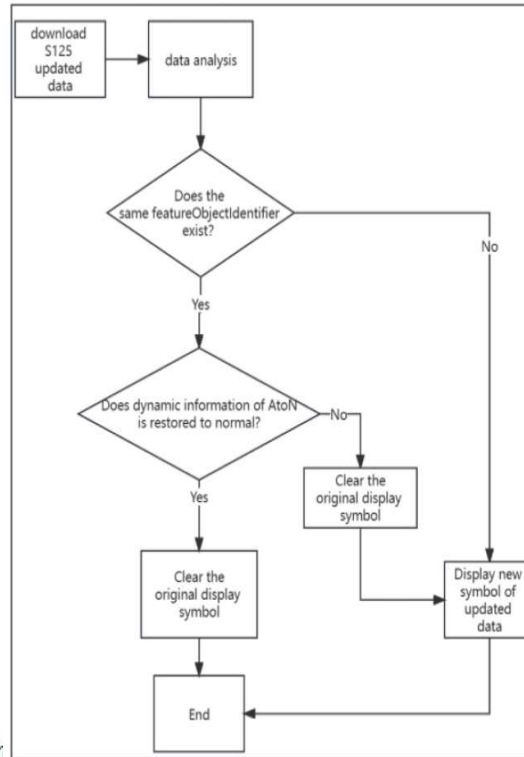


Figure 9 Display of S125 updated data after adopting the new process



- Major works

- Update the S-125 according to the NIPWG comments and ARM17 decision
- Ensure the consistency between application schema, feature catalogue and GML schema
- Update the S-125 based on S-100 ed 5.1
- Propose new concepts and new symbols to IHO GI Registry
- Add the incremental update process for S-125 data maintenance

- Timeline

- Update S-125 to the level of ed.1.0 (Jan. 2024)
- Intersessional meeting of S-125 task group (Feb. 2024)
- Report S-125 update to the 1st VTC 2024 of NIPWG (March 2024)
- Report to ARM18 (April 2024)
- Approval of IHO NIPWG and Submit S-125 1.0 to HSSC16 for approval