

Cross Product Validation

S-158:98

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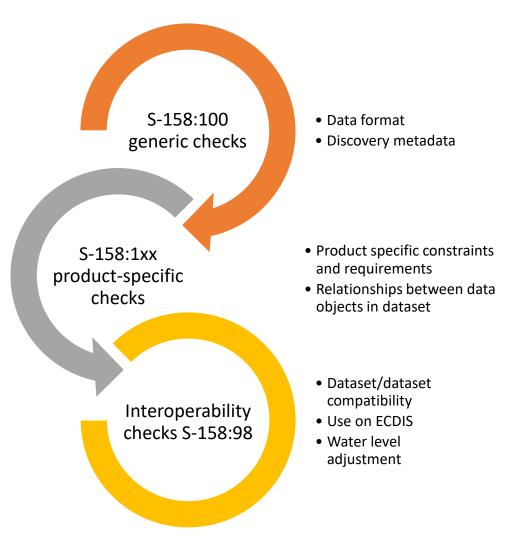
International

Organization

S-158 SERIES



Specifications



Validation processes



PROGRESS OF S-158:SXXX FOR PS

International Hydrographic Organization Following product-specific checks are out for review:

S-158:101

S-158:102

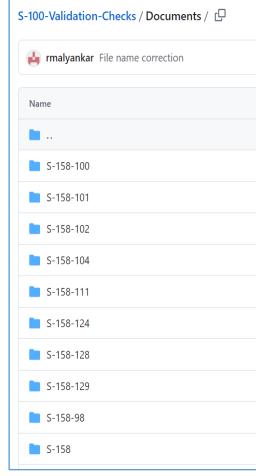
S-158:104

S-158:111

S-158:124

S-158:129

- Comprises of cover text document and spreadsheet of checks
- Received feedback from S-101, S-102 and S-129
- Editions 0.1.0 of S-158:100 and S-158:98 also out for review



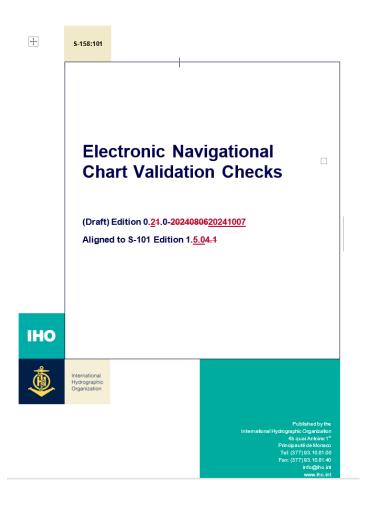
S-100 Validation GitHub repo.



IHO STRUCTURE OF S-158:1XX

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2 parts: Cover document **Validation Checks**



С	ontents	Page
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	1.4.3Symbols1.5Use of language1.6General description1.7Specification metadata and maintenance1.7.1Specification metadata1.7.2Specification maintenance	3 4 4 4
2	Check Structure	5
3	Check Syntax	ò
4	Organisation	š
5	Other Applicable Checks	ò
	5.1 Generic S-100 checks	
6	Check Application Sequence	3
7	Check Classification)
8	Geometry and Spatial Operators)
9	Other Components of this Specification	•



CROSS PRODUCT VALIDATION - WHAT IS IT?

- Each Product Specification has its own validation checks
- S-100 Validation checks check that the Framework is being followed
- S-98 cross product validation checks
 - Check that the different products can be used safely for interoperable purposes on an ECDIS
 - Based on S-98 Interoperability standard
- It is the responsibility of the data producer to ensure that the different products they publish can be used safely together, and conform to standards

WHY IS IT NEEDED?

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- Need to ensure products are safe to use on an ECDIS together for navigation
- OEMs need guidelines to implement consistent display and functionality
- Important that we make a useful product for the mariner if it is unclear,, triggers many alarms or cluttered people won't use it
- Provide guidance to the data producers

 We have 25 years experience of using ENCs on an ECDIS, we do not have the same knowledge for other products or how they will work together



CONSIDERATIONS

- Restrictions will likely be needed for Water Level Adjustment
 - Likely these will be handled through S-98 & Validation checks
 - For consideration:
 - Alignment of display scales
 - Vertical datums
 - Gaps in data
 - Overlaps
 - Projected vs. unprojected
 - Other?

COORDINATION

- Need to coordinate across different Working Groups and Project Teams – these groups never meet together
- Need to involve OEMs
- It is important that the groups all work together
- VTC to look at Water Level Adjustment (S-101, S-102, S-104 & S-111) 9th December
- VTC to look at S-129 & S-124 cross product validation -January



WHAT IS THE S-98 DELIVERABLE?

International Hydrographic Organization Will fall within the S-158:Sxx series

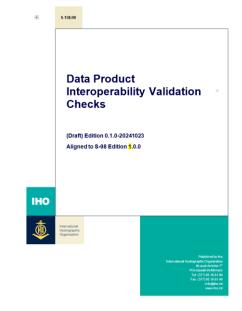
- S-158:98:
 - Cover document
 - Validation checks in spreadsheet format

GitHub: S-100 Validation Checks

https://github.com/iho-ohi/S-100-Validation-Checks/tree/main

Split into individual parts that are managed as separate specifications

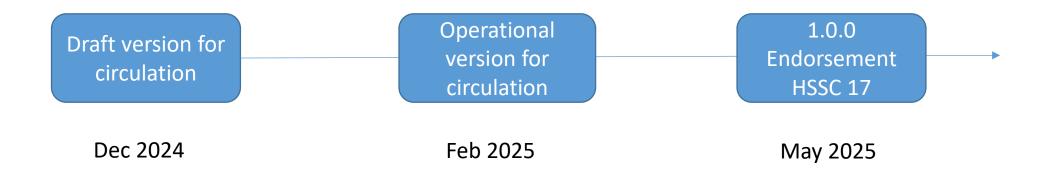
- S-158 Introduction and Structure
- S-158:100 ed 1.0.0
- S-158:98 ed 1.0.0
- S-158:101 ed 1.0.0
- S-158:102
- S-158:104
- S-158:111



Cross Product validation

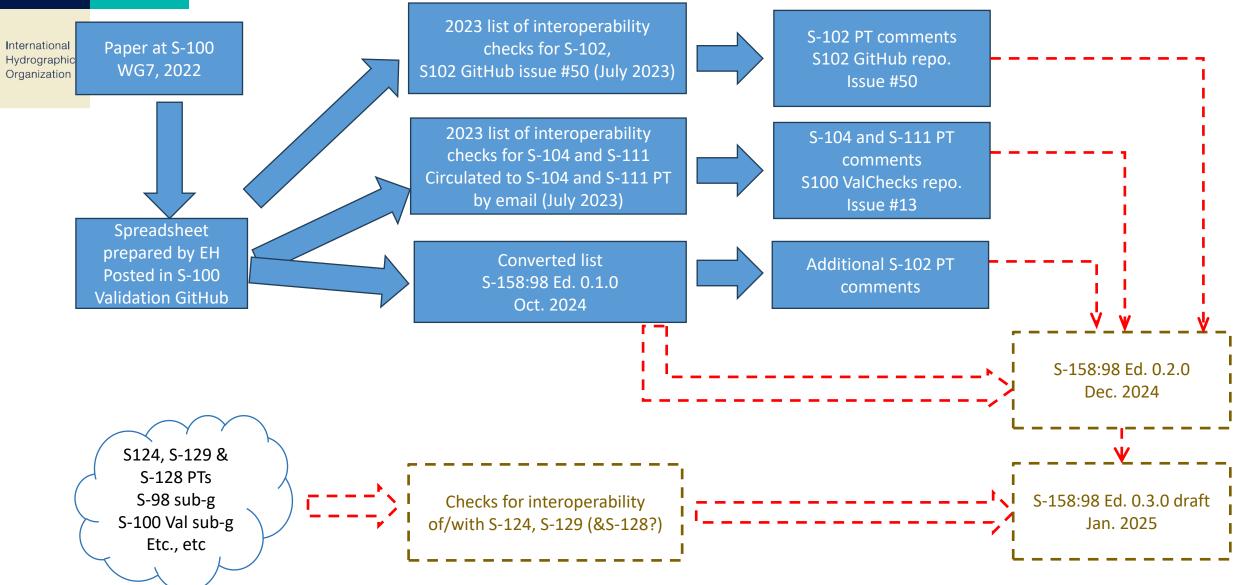


S-98 CROSS PRODUCT VALIDATION CHECKS TIMELINE





ROADMAP FOR INTEROPERABILITY CHECKS



POINTS TO NOTE

- S-158:98 0.1.0 spreadsheet date to 2022 paper very old
- Previously circulated to S-102, S-104 & S-111 comments have not been incorporated into S-98 0.1.0 yet
- "Notes (internal use)" Raphael's comments, include some of S-102 and TWCWG comments
- The S-158:98 list of checks is supposed to be different from the S-158:1xx lists of checks do not want duplication
- S-158:98 checks will be reworded
- Data product specification teams need not consider S-158:98 checks not concerning their own product.