

S-100 AUS NSWG – Meeting No. 02

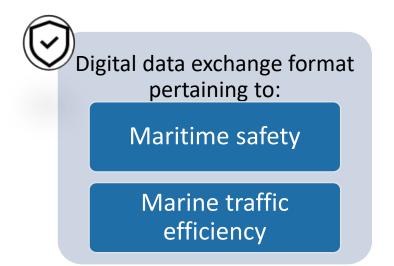
# S-129 Under Keel Clearance Management: an Overview

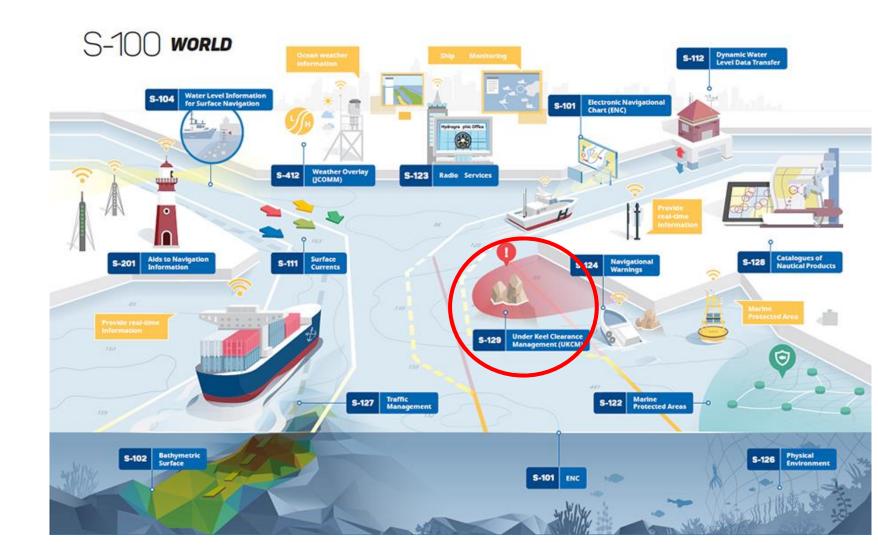
Jason Rhee (S-129 Project Team Chair)

omcinternational.com



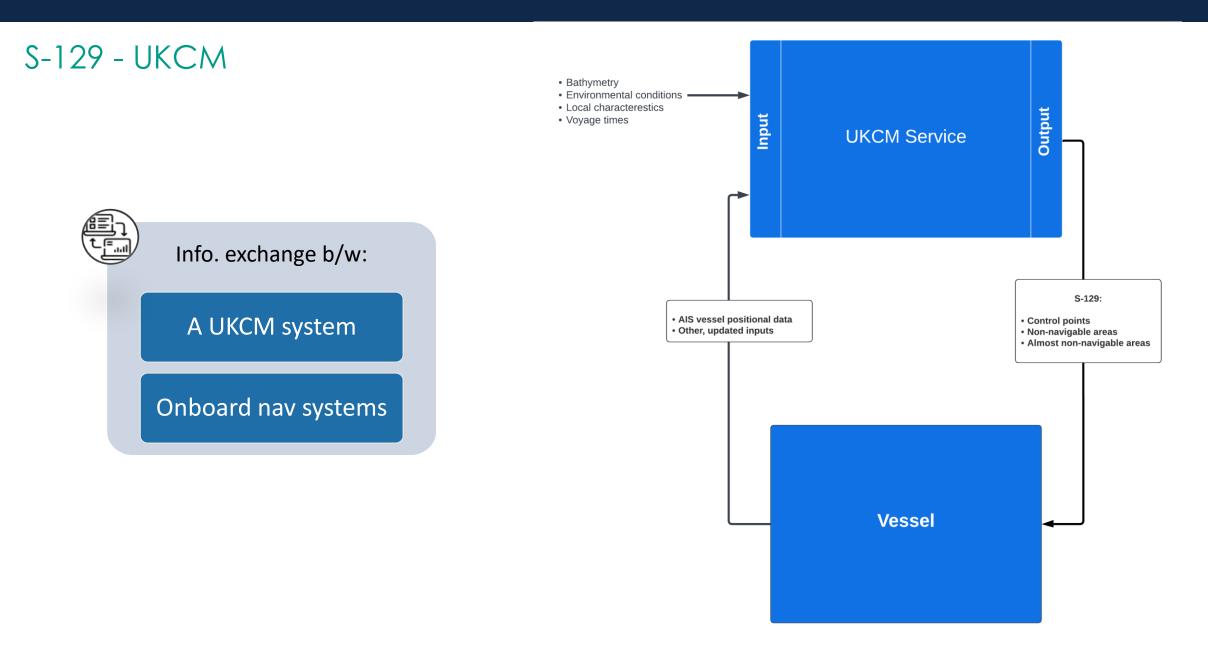
# S-129 - UKCM





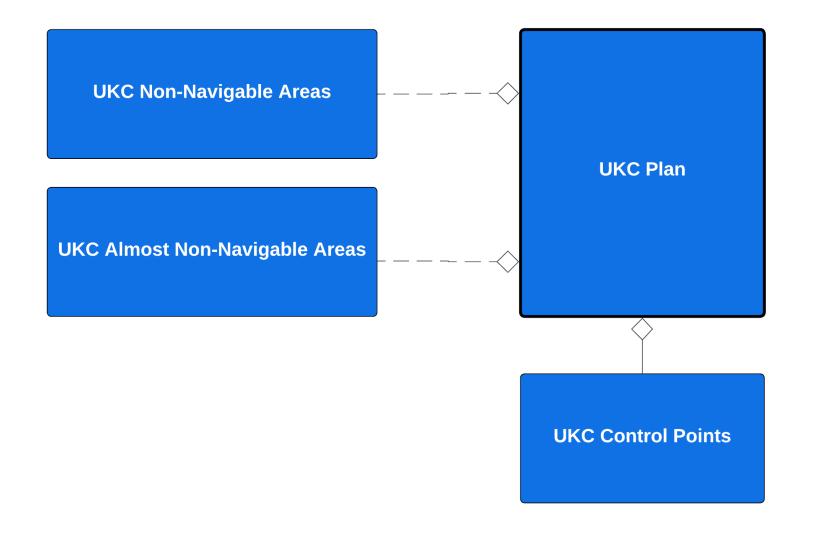






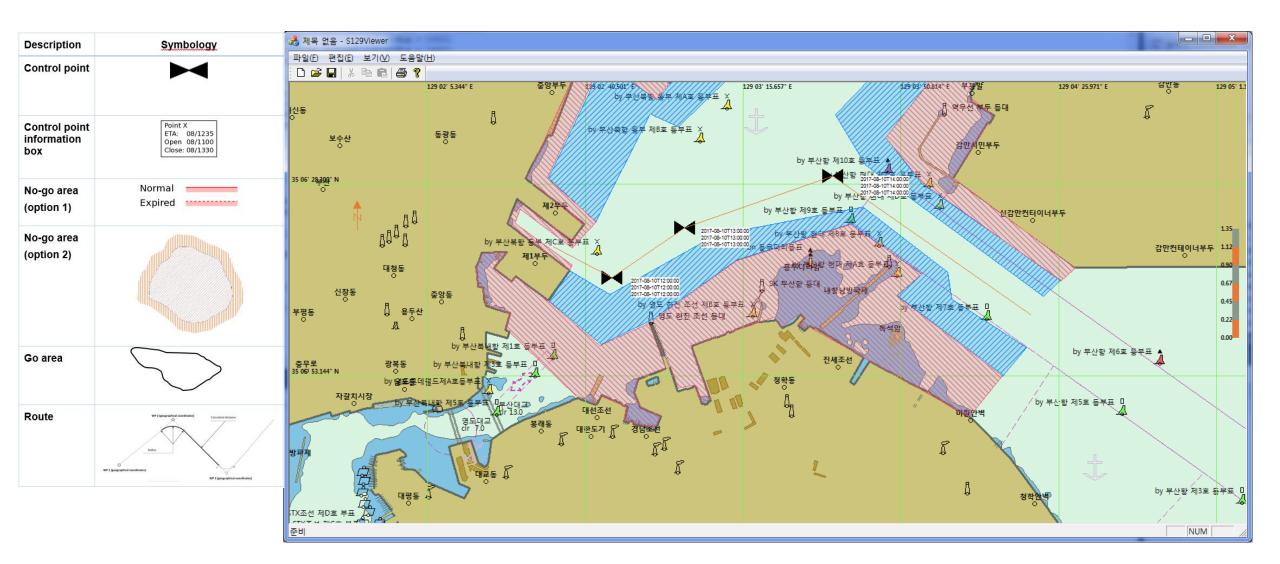


### S-129 Data Model



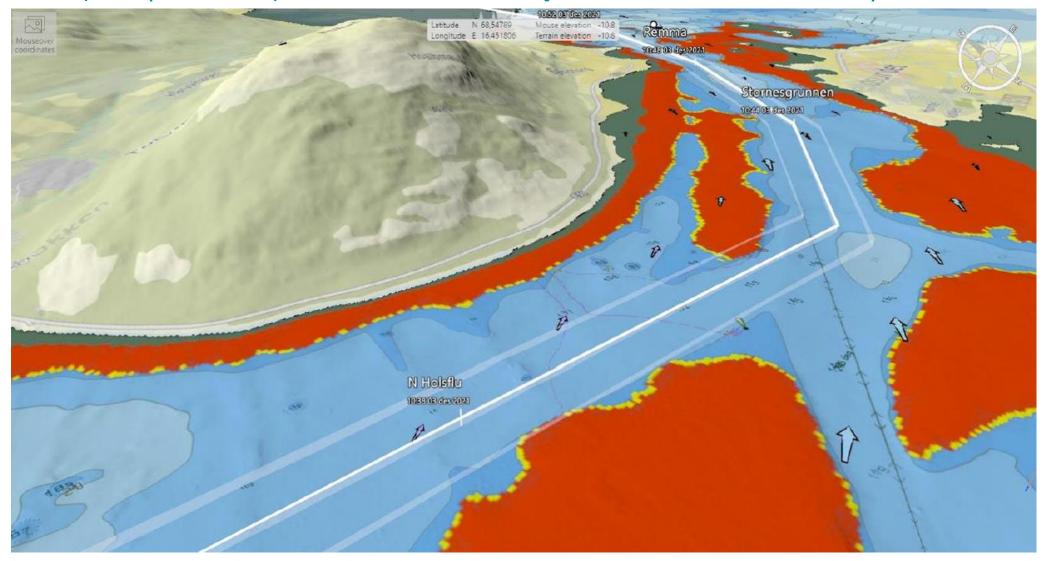


#### S-129 Output (early mock-up)





#### S-129 Output (S-129 Operational Test – Tjeldsundet, Dec 2021)



https://s-100.no/operational-test-s-129-under-keel-clearance-management-tested-in-tjeldsundet-norway/



#### Where are we?

	S-1	S-100 PRODUCT SPECIFICATIONS DEVELOPMENTS AND TIMELINE							
Cigarization 20	21 202	2 20	23 20	24 20	25 2	026			
S-100 Edition	Dev. Edition 5.0.0	Approval		Operatio	on				
S-98 Interoperability	Dev. Edition 1.0.0	<sup>P</sup> reliminin <mark>ary imple</mark> mentat	ion Dev. Ed 2.0.0	Approval Impleme	entation Ope	rational Data			
S-128 Catalogue of Products	Dev. Edition 1.0.0	Prelimininary ir	mplementation	Dev. Ed 2.0.0	Approval	Operational Data			
S-164 Test Data Sets	Dev. Edition 1.0.0	Prelimininary in	nplementatio <mark>n Dev. E</mark>	d 2.0.0 Approval	entation Ope	rational Data			
Route Monitoring									
S-101 ENC	Prelimininary implementation		Dev. Approval I Ed 2.0.0		Implementatio <b>n</b>	Operational Data			
S-102 Bathymetric Surface d 3.0.0 is the operational edition	Prelimininary imp	Prelimininary implementation		Approval Implem	nentation Op	erational Data			
S-104 Water Level	Dev. Edition 1.0.0 Pre	De limininary implementation	v. Ed 2.0.0 Approval Im	plementation	Operational Data				
S-111 Surface Currents	Prelimininary implementation	on Dev. Ed 2.0.0	Approval	Implementation	Operational Data				
S-124 Navigational Warnings	Dev. Edition 1.0.0	Prelimininary ir	mplementation	Dev. Ed 2.0.0	Approval	Operational Data			
S-129 UKC Management	Prelimininary implement	tation	Dev. Ed. 2.0.0	Approval Implem	entatio <mark>n Op</mark> e	rational Data			

https://iho.int/uploads/user/About%20IHO/Council/S-100\_ImplementationStrategy/S-100%20Roadmap\_Annex\_2\_v2.0\_July2022.pdf



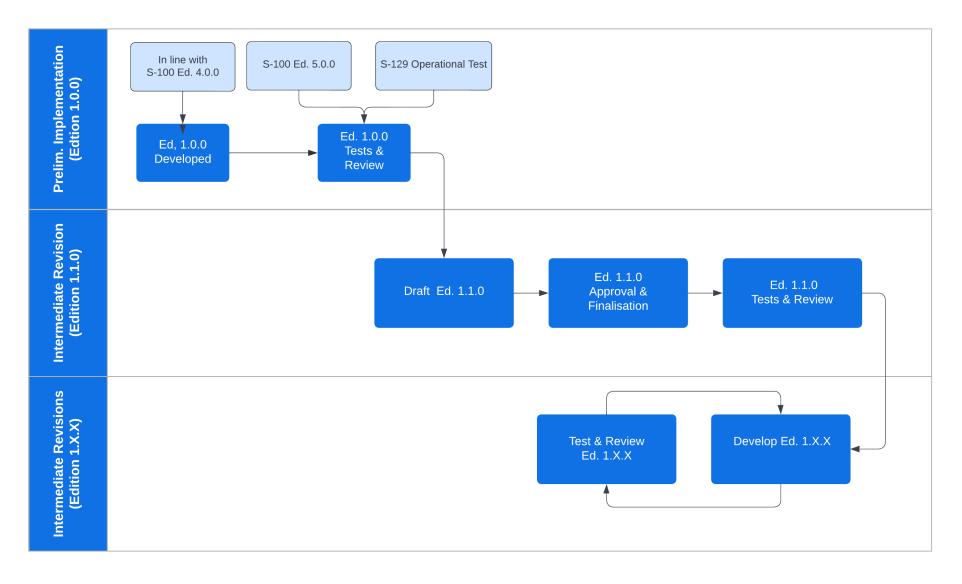
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Crganization 200	21 202	2 20	23 2	024	2025	2026			
S-100 Edition	Dev. Edition 5.0.0	Approval		Ope	eration				
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- S-129 UKC Management	Prelimininary implement	tation	Dev. Ed. 2.0.0	Approval Im	plementation	Operational Data			

https://iho.int/uploads/user/About%20IHO/Council/S-100\_ImplementationStrategy/S-100%20Roadmap\_Annex\_2\_v2.0\_July2022.pdf

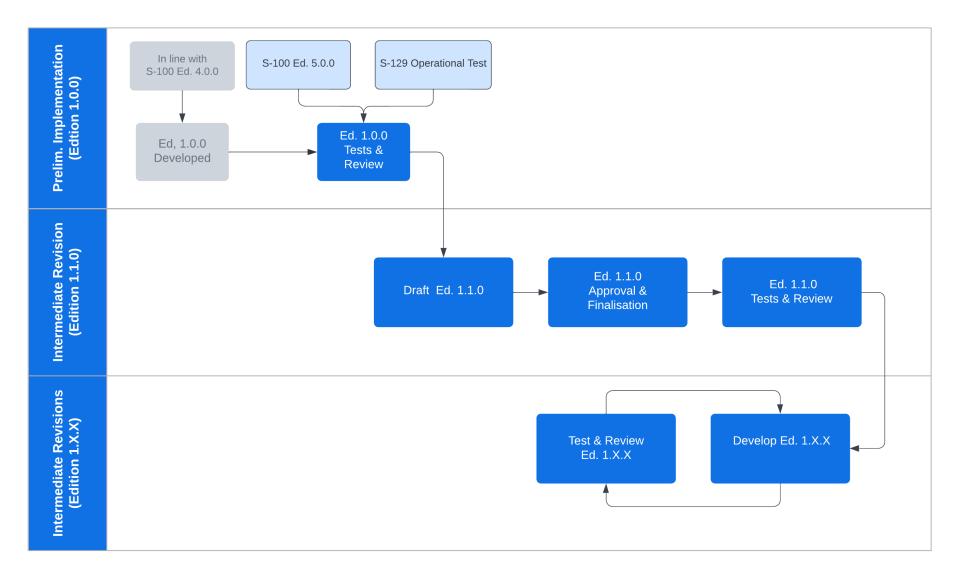


#### S-129 Progress to Date



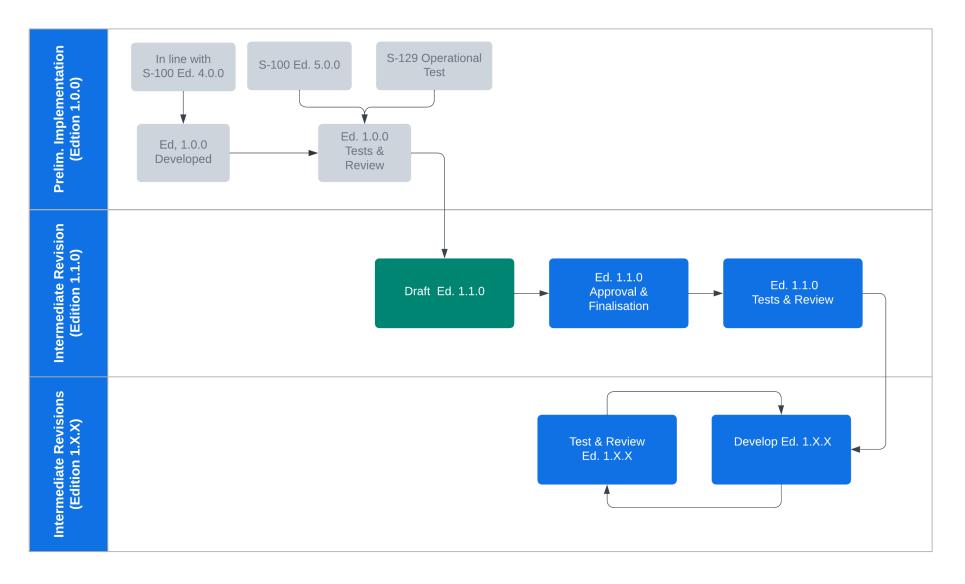


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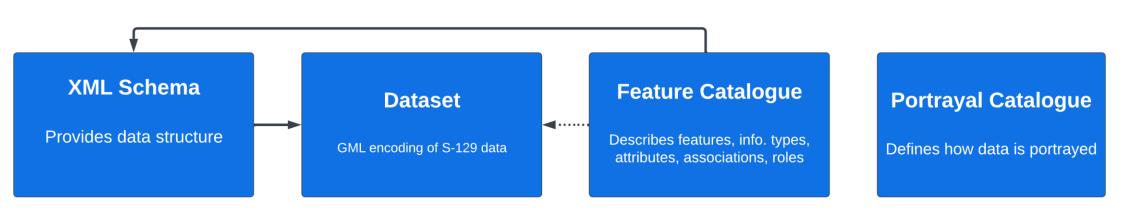


#### S-129 Progress to Date





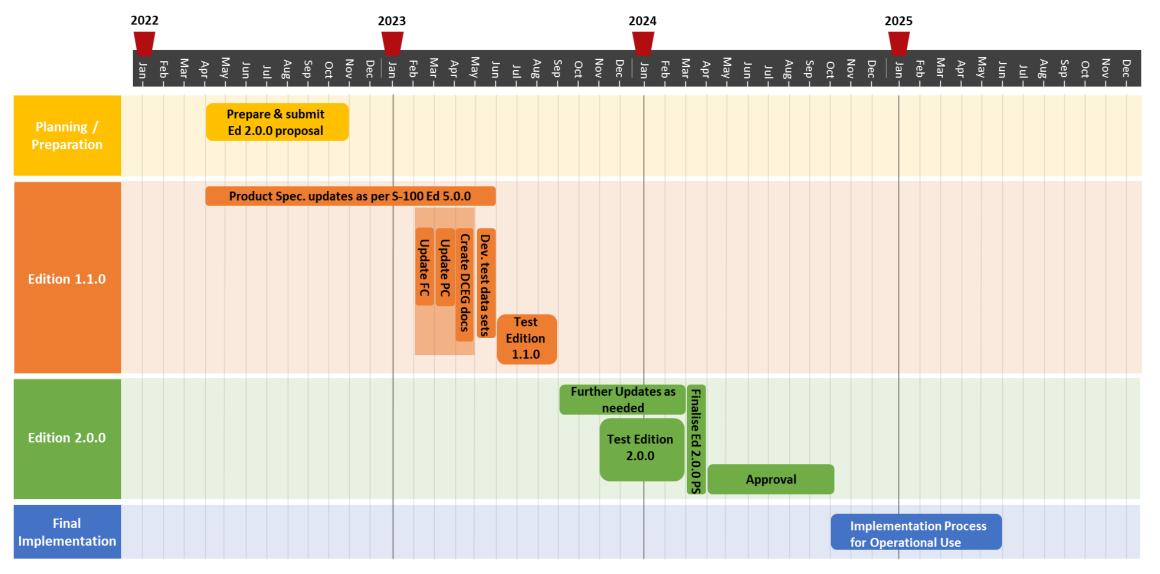
#### S-129 Product Structure



Product Specification
Data Classification & Encoding Guide
Defines data structure



### S-129 Plan Timeline





# Conclusions

- Preliminary implementation (Ed 1.0.0) completed & tested
- Changes (and therefore new revisions) underway
  - Need to be tested
  - Expecting a number of iterations
  - Reliance of production & test tools
- Busy years ahead!



## Thanks for your attention!

**Questions?**