



8th Meeting of the IHO Council

Australian S-100 Working Group and National Strategy

C8-07.2A

C-8, IHO Secretariat, Monaco, 15 – 17 October 2024

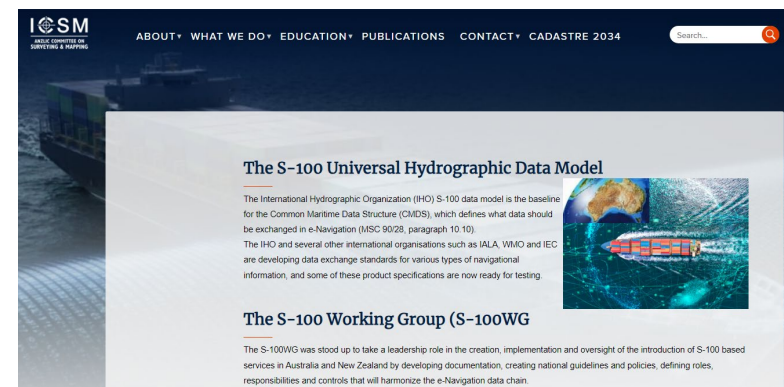


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AUSTRALIAN S-100 WORKING GROUP

- The S-100 Working Group was established under the Intergovernmental Committee on Surveying and Mapping (ICSM)
- AU S-100WG is responsible for coordinating and managing the timely and effective implementation of a broad range of S-100 products and services in the region
- Inaugural meeting was hosted by the Australian Hydrographic Office on 2nd of November 2022 (VTC)



[S-100 Working Group webpage link](#)



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S-100 WORKING GROUP - PARTICIPANTS



Australian Government
Australian Maritime Safety Authority



Australian Government
Department of Agriculture, Water and the Environment
Australian Antarctic Division



Australian Government
Geoscience Australia



AUSTRALIAN ANTARCTIC PROGRAM



Australian Government
Parks Australia



Australian Government
Department of Infrastructure, Transport, Regional Development, Communications and the Arts

Port of Melbourne



- Chair – AHO
- Vice Chair – AMSA
- Secretariat – AHO
- Members:
 - Government agencies (state-owned and state operated)
 - Private industry

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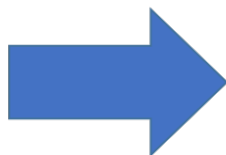
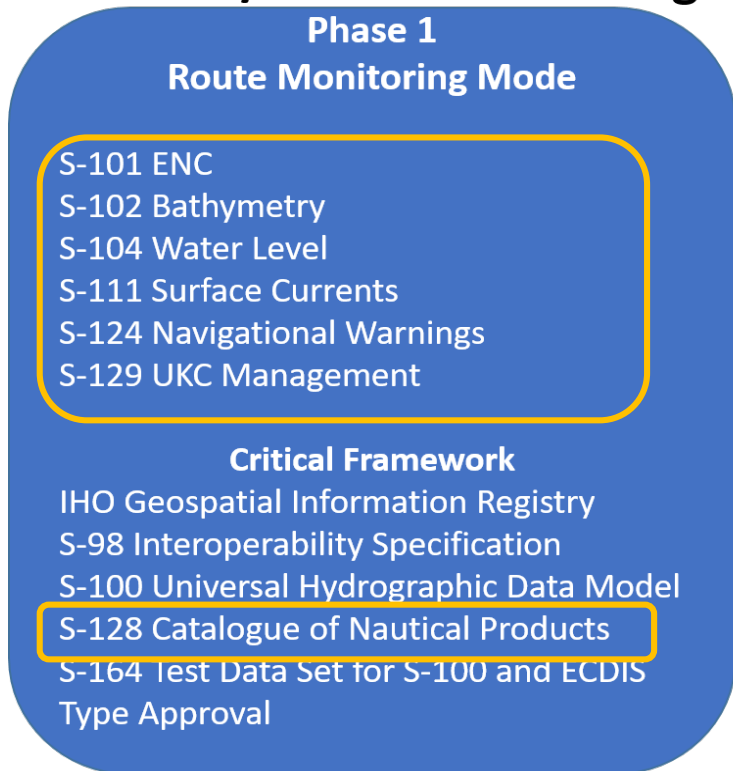


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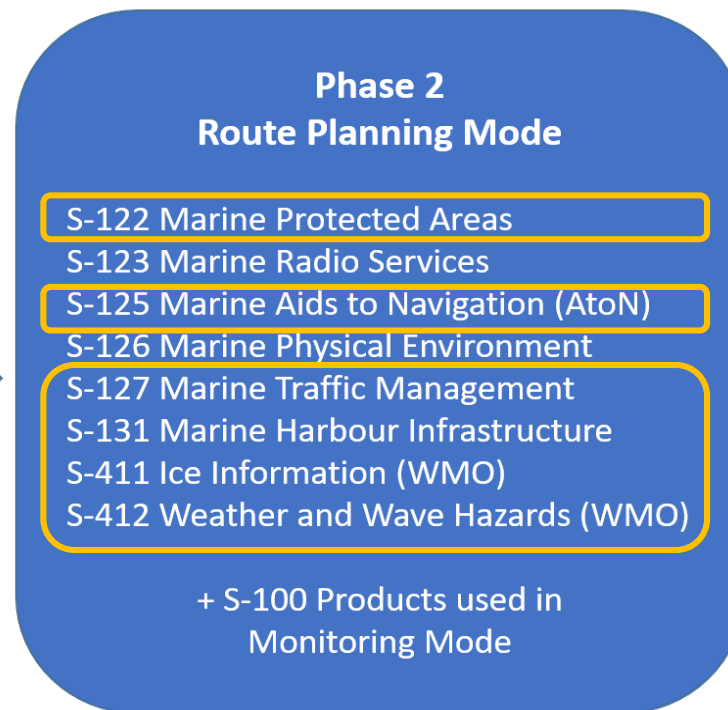
S-100 WORKING GROUP – PRODUCT SPECIFICATION FOCUS

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Phase 1 / Route Monitoring



Phase 2 / Route Planning



The IHO Navigational Package, for S-100 ECDIS, to be handled by the Interoperability Specification S-98. Updated October 2023.

Source: Roadmap for the S-100 Implementation Decade (2020 – 2030), Annex 2, Version 4, 8 July 2024

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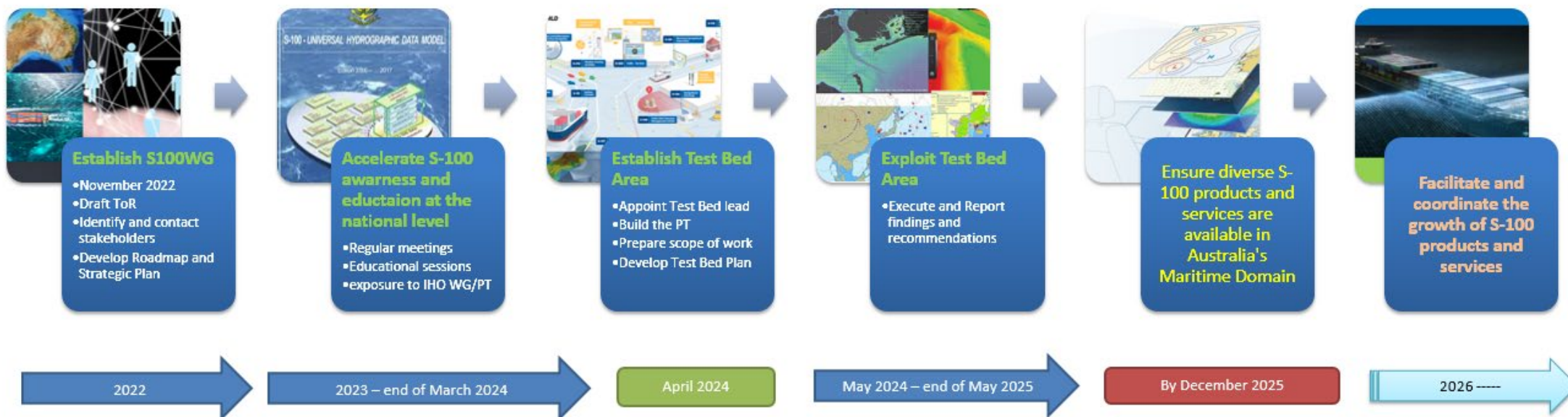
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S-100 WORKING GROUP - ROADMAP

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AU S-100WG Roadmap

Planning our route for efficient navigation



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- Work Program 2024 – 2026 has been designed around Roadmap’s key milestones
- For each task, the Work Program identifies:
 - The strategic direction
 - Principal stakeholder
 - Deliverables and milestones
 - Lead authority
 - Resources
 - Associated risk

Milestone 1: Establish Australia’s S100WG

Objective: Bring together national stakeholders involved with the delivery of maritime products and/or services to Australia’s maritime domain with the goal of consolidating and harmonising a national approach to S-100 and eNavigation.

Blue = completed
Green = on track
Orange = at risk of falling behind schedule
Red = behind schedule

Task	Description	Notable stakeholder(s) outside the S100WG	Key deliverable	End Date	Lead authority / Participants	Comments
1.1	Identify and engage with stakeholders	TBD	S-100 WG Membership List	Done	AHO	<u>S100WG5</u> : Change ‘End date’ to Done and use Task 2.1 to manage ongoing stakeholders’ engagement
1.2	Draft and approve Terms of reference (ToR)		ICSM endorsed ToR	Done	All	
1.3	Seek approval to establish the S100WG under ICSM	ICSM	ICSM approval	Done	All	



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TEST BED FOCUS GROUP (TBFG)

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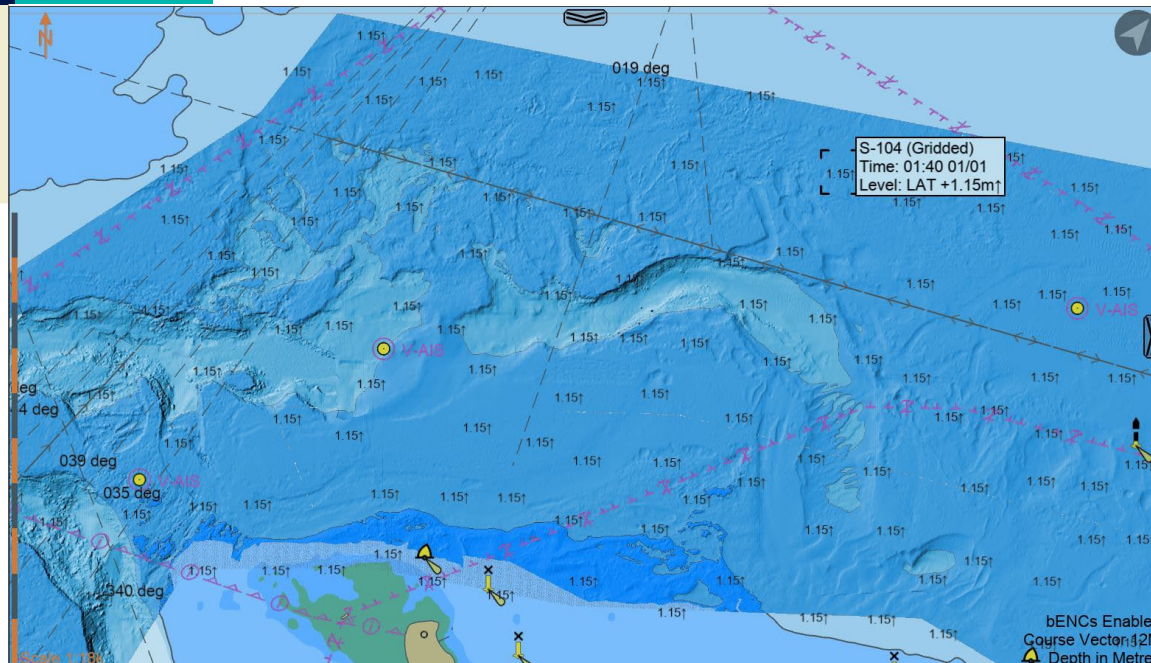
- The S-100 Test Bed Focus Group (TBFG) was established in October 2023
- TBFG's objective is creating a national test bed to enable the development and testing of different S-100 product prototypes
- Develop project scope, test plan, test scenarios
- Share and perform testing of various S-100 dataset prototypes
- Members meet virtually, every 8-10 weeks



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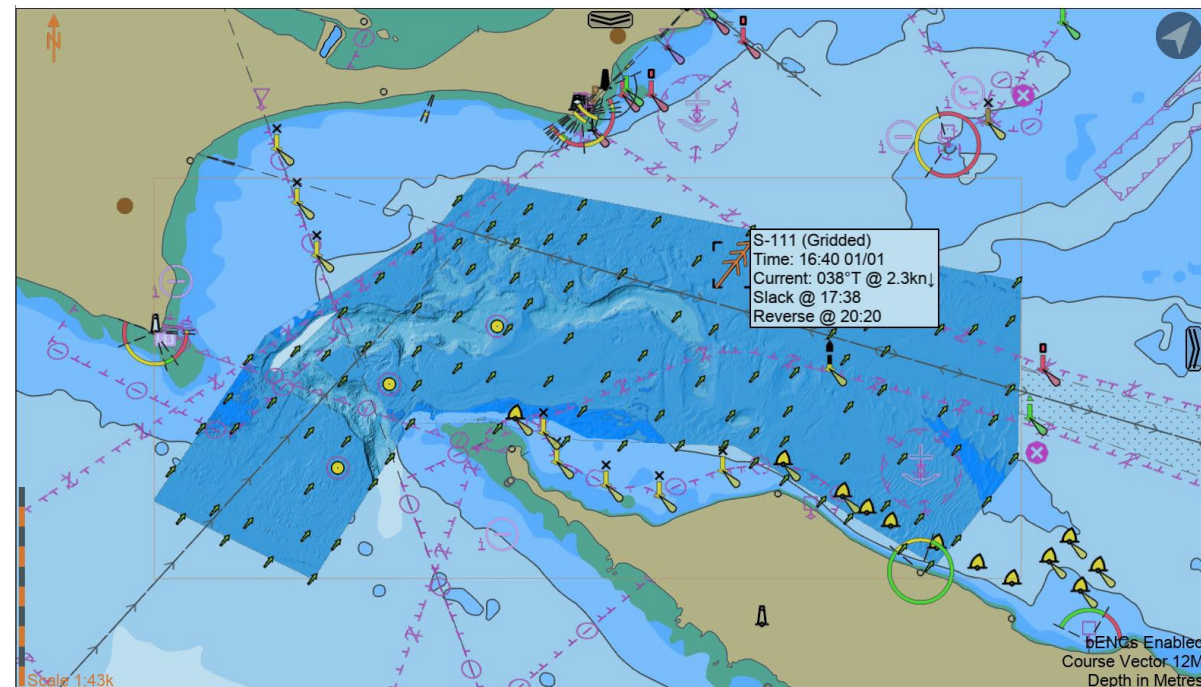
S-100 TEST DATASETS

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Port of Melbourne – S-102 and S-104 in SEAiQ Pilot

Port of Melbourne – S-102 and S-111 in SEAiQ Pilot

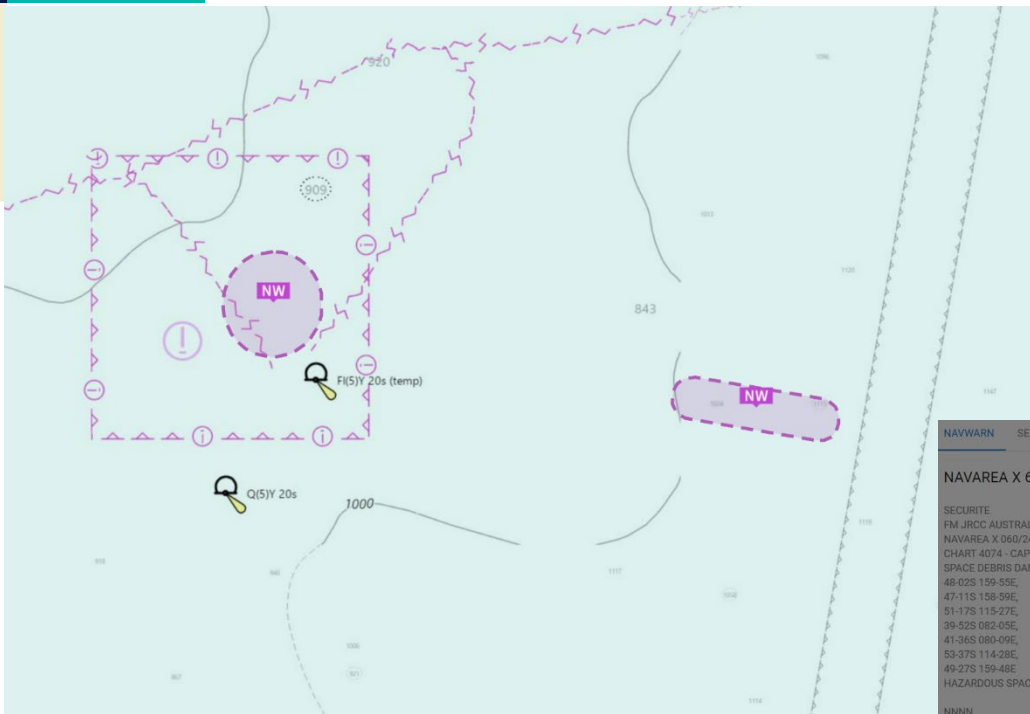




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S-100 TEST DATASETS

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S-124 Navigational Warnings – Pipe Laying Operations

Dataset Summary	
Data model	S-124
Version	1.0.0
S-100 profile	5.0.0
Dataset title	AMSA JRCC Navigational Warning TRIAL Dataset - DO NOT USE FOR NAVIGATION
Area identifier	urn:mrn:amsa:navarea-x
Responsible agency	Australian Maritime Safety Authority
Warning series	AUSCOAST WARNING
# of warning	279
Warning type	Coastal Navigational Warning
Type of warning	19 - Works
Detailed Type	202 - Pipe Laying Operation
Valid from	2024-09-13
Valid to	N/A
Language	en
Warning text	SECURITE FM JRCC AUSTRALIA 131952Z SEP 24 AUSCOAST WARNING 279/24 SPECIAL PURPOSE VESSEL CASTORNE/C6X17 CONDUCTING PIPE LAYING OPERATIONS FROM 19-55.60S 113-40.50E TO 19-54.60S 113-34.10E 1NM CLEARANCE REQUESTED. NNNN

✓ This dataset was signed by AMSA

[Download GML](#)

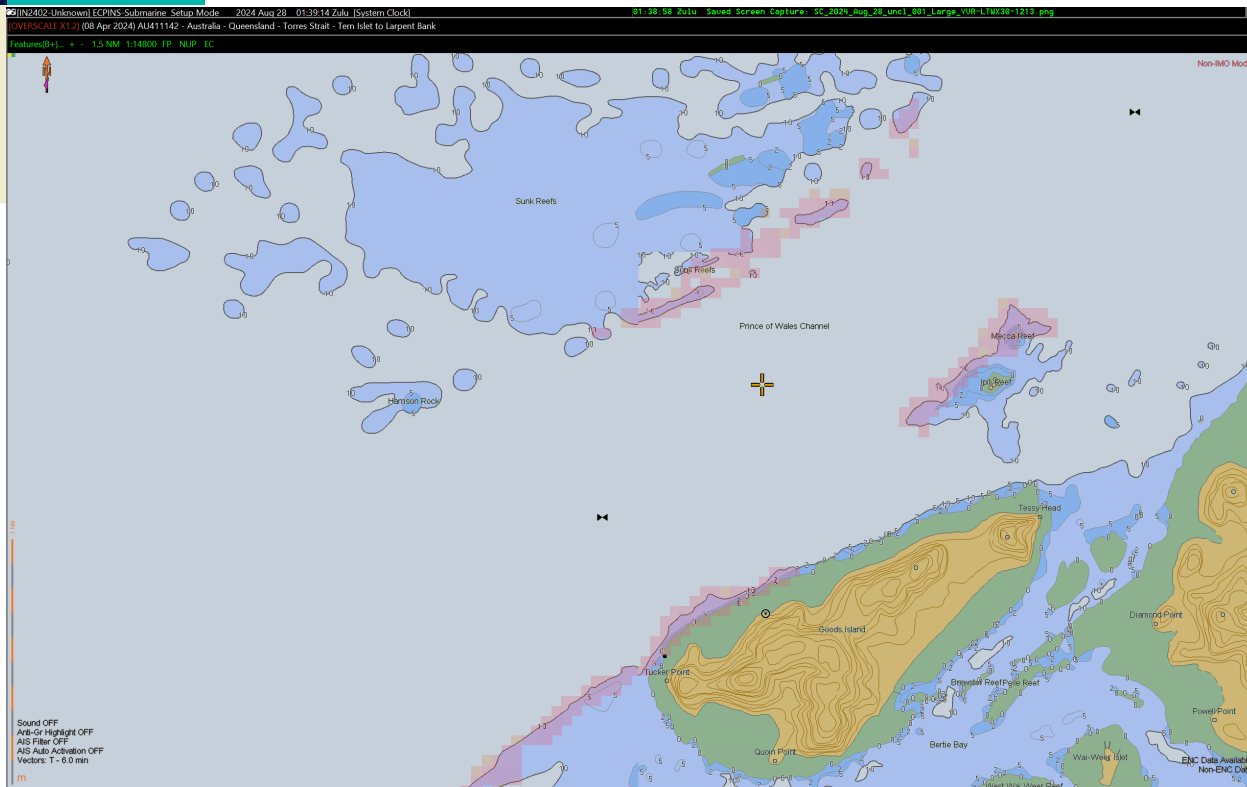
DO NOT USE FOR NAVIGATION - DATA MIGHT BE INCORRECT/INCOMPLETE



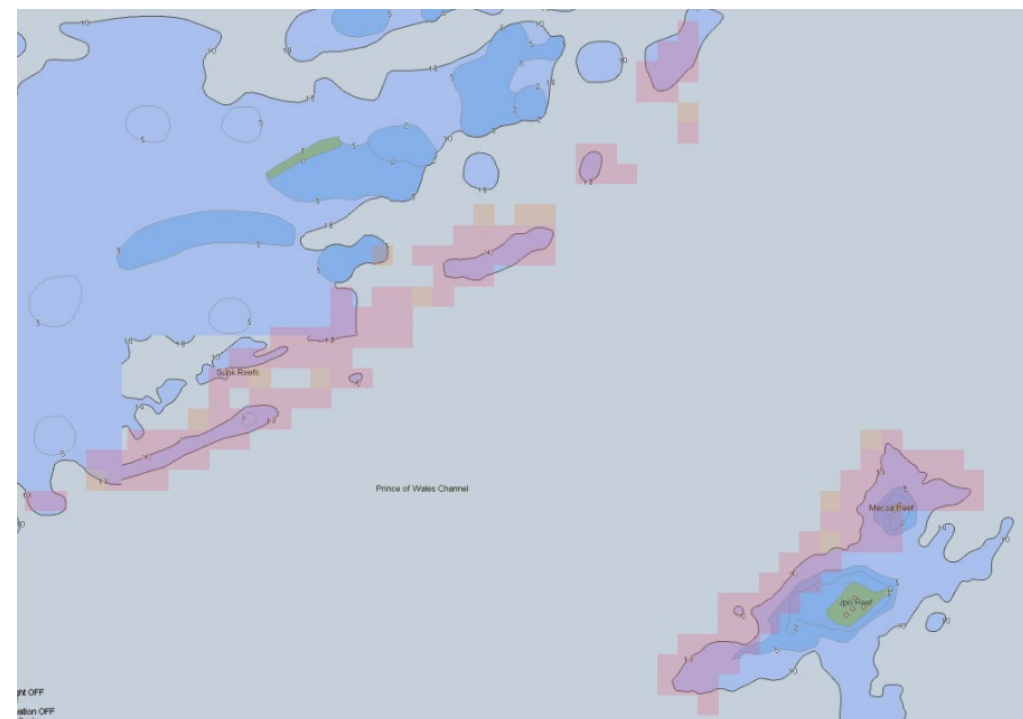
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S-100 TEST DATASETS

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S-129 Under Keel Clearance in Torres Strait in ECPINS (OSI Maritime)



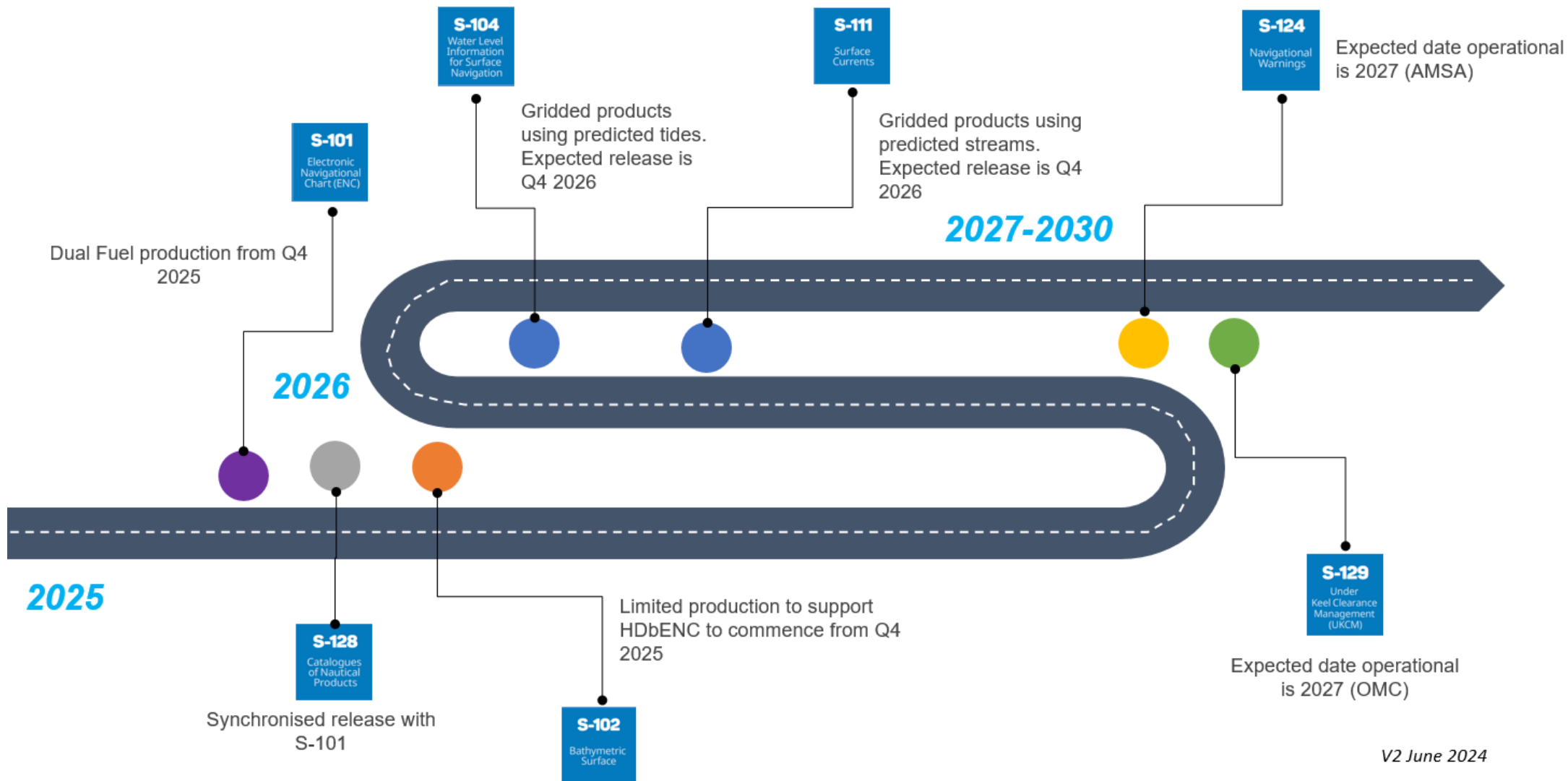
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AU S-100 PRODUCTION TIMELINE

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V2 June 2024

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THANK YOU

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