

22nd Meeting of the South West Pacific Hydrographic Commission

National Report by

AUSTRALIA



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South West Pacific Hydrographic Commission



Main achievements during the year

HydroScheme Industry Partnership Program

- Completion of HydroSchemes 2020, 2021, 2022 and 2023
- HydroScheme 2024 projects on track
- HydroScheme 2025 Released and Open for Tender
- HydroScheme 2025 developed as a multi year program, with larger survey projects over the 2025 to 2027 years



Main achievements during the year

Nautical Charting

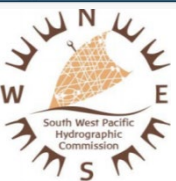
- ChartScheme 2025 released and available from the AHO website [CHARTSCHEME 2025](#) with the focus on linking HIPP survey activity into the national charting program
- Since the last SWPHC meeting, AHO has published 1219 ENC updates and 238 paper chart updates.

Nation	Paper Charts	ENCs	Total
Papua New Guinea	80	168	248
Solomon Islands	17	43	60
Australia	275	717	992
Total	372	928	1300

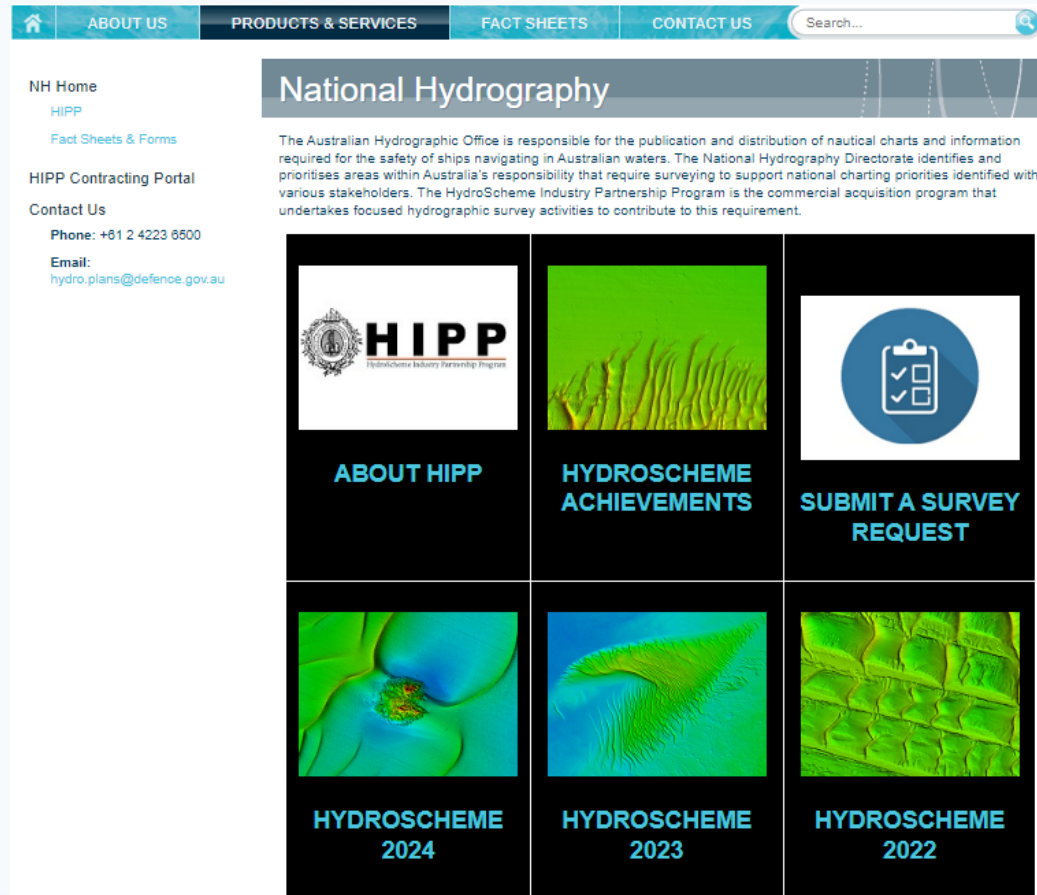


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HydroScheme Industry Partnership Program (HIPP)



The screenshot shows the National Hydrography website. The top navigation bar includes links for ABOUT US, PRODUCTS & SERVICES, FACT SHEETS, and CONTACT US, along with a search bar. The main content area is titled 'National Hydrography' and contains a paragraph about the Australian Hydrographic Office's role. Below this is a grid of six tiles: 'ABOUT HIPP' with the HIPP logo, 'HYDROSCHEME ACHIEVEMENTS' with a bathymetric image, 'SUBMIT A SURVEY REQUEST' with a clipboard icon, and three 'HYDROSCHEME' tiles for the years 2024, 2023, and 2022, each with a bathymetric image. A sidebar on the left contains links for NH Home, HIPP, Fact Sheets & Forms, HIPP Contracting Portal, and Contact Us, along with phone and email contact information.

- Annual Plan for HIPP Panel, with the year referring to the year of commencement.
- *HydroScheme* is published in October each year for the following Financial Years survey activity.
- *HydroScheme* is published as a ESRI Story Map updated regularly on the award of surveys and progress of data collection.
- HIPP is focused contracted data collect to support AHO National Role
- Nine Companies selected for HIPP Phase 1 Panel



HydroScheme – www.hydro.gov.au/NHP/



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New HIPP Requests



- HIPP Requests – via AusSeabed
 - Coordinates
 - Metadata
 - Data type
 - Risk
 - Timeframe
 - Streamlined ingest into SPS

A new HIPP request has been submitted for consideration.



AUS
SEABED

*Bringing the seabed
to the surface*

Areas of Interest

Risk Issues/Caveats or Constraints
undefined

Further Information
undefined

Name
Cape Leeuwin to Albany

Calculated Area
13,899.4 km²

Survey Standard
IHO Order 1b

Overall Risk
Moderate

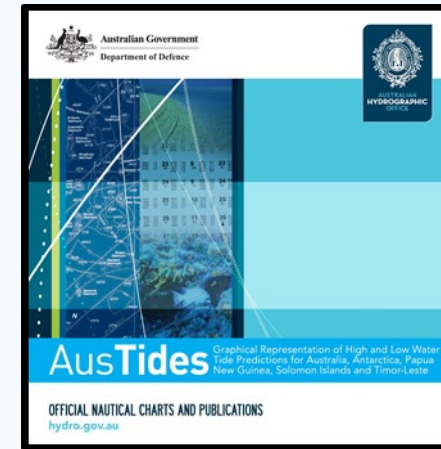
Preferred Timeframe
Mid-term (2-5 years)

Data Types to Capture
Bathymetry



Main achievements during the year

- 2025 Australian National Tide Tables were released as a digital (.pdf) download from the AHO website, and via new interactive web service featuring an enhanced user experience that allows specific port discovery with the ability to view and download individual port tidal data
- 2025 National Tides Tables for Papua New Guinea, the Solomon Islands and Timor-Leste have been published.

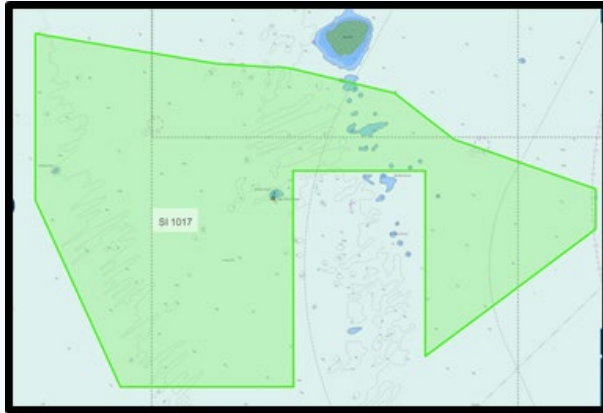


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Main achievements during the year



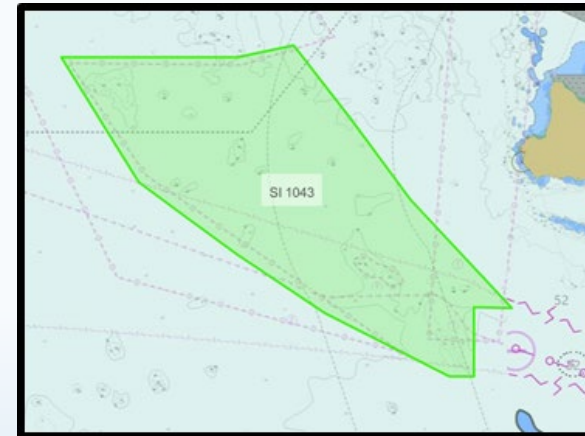
HIPP SI 1017 Varzin Passage to Merkara Shoal, QLD
AU411141, AU220140
Aus294, Aus296, Aus700,
Aus842, Aus301



HIPP SI 1042 Lord Mayor Shoal to Pit Shoals, WA
AU417122, AU417123,
AU220120
Aus733
Aus732
Aus323



HIPP SI 1032 Furneaux Group, TAS
AU5FIW01, AU5LAB01, AU440147
AU440148, AU441147, AU441148
AU240140
Aus179, Aus798, Aus800, Aus487



HIPP SI 1043 Cape Fourcroy (West), NT
AU412129
AU413129
AU413130
Aus309
Aus4603

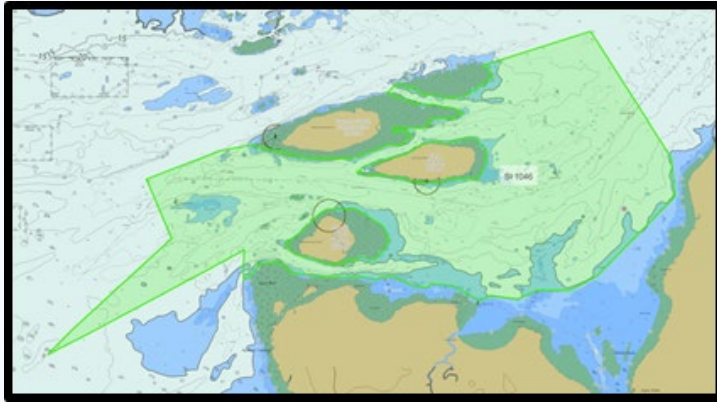


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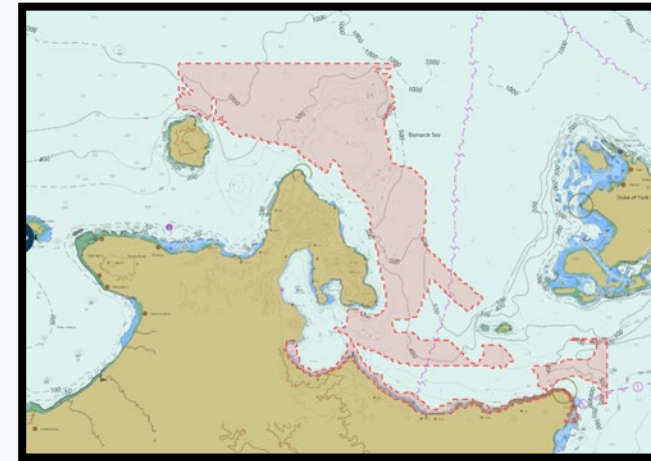
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Main achievements during the year



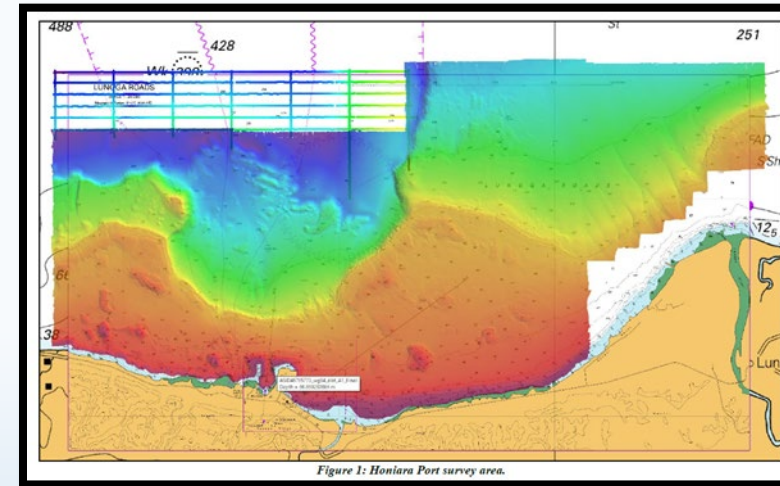
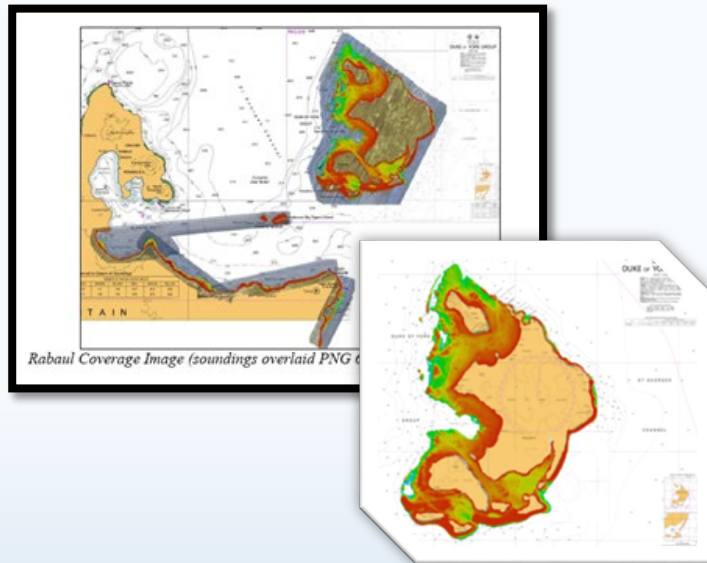
HIPP SI 1046 Howard Channel, NT
AU412131
AU413130
AU413131
AU220130
Aus20, Aus309, Aus720



PNG - Approaches to Blanche Bay (Rabaul)
PG405152
PNG554
PNG545
PNG680

Rabaul - Duke of York - PNG LADS Survey RAN HI 612

PNG 554, PNG679
PG5679P0,
PG405152



JICA/SIMA project 2022-23 -Honiara - Lungga Roads
SB5101P1
SB410159
SB410160
SLB101
SLB201



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Any other matters of interest

Solomon Islands Navigation Safety Workshop and Tripartite Meeting - (Sep 2024)

- AHO attended the Solomon Islands Navigation Safety Workshop and Tripartite meeting between AHO, SIMA and Japan International Cooperation Agency (JICA) in Honiara, Solomon Islands.
- The Navigation Safety Planning meetings are an annual program hosted by SIMA and includes participants from port authorities and other government agencies with an interest in Maritime.
- SIMA and AHO representatives met to discuss priorities for upcoming year on charting and surveying with the aim of raising awareness and support for SIMA and determine charting priorities for Solomon Islands waters for inclusion in next years charting projects.
- At Tripartite meetings, JICA gave an update on project activities to date. Hydrographic surveys in Honiara, Noro, Munda and Blackett Strait are completed. Data has been supplied to AHO.



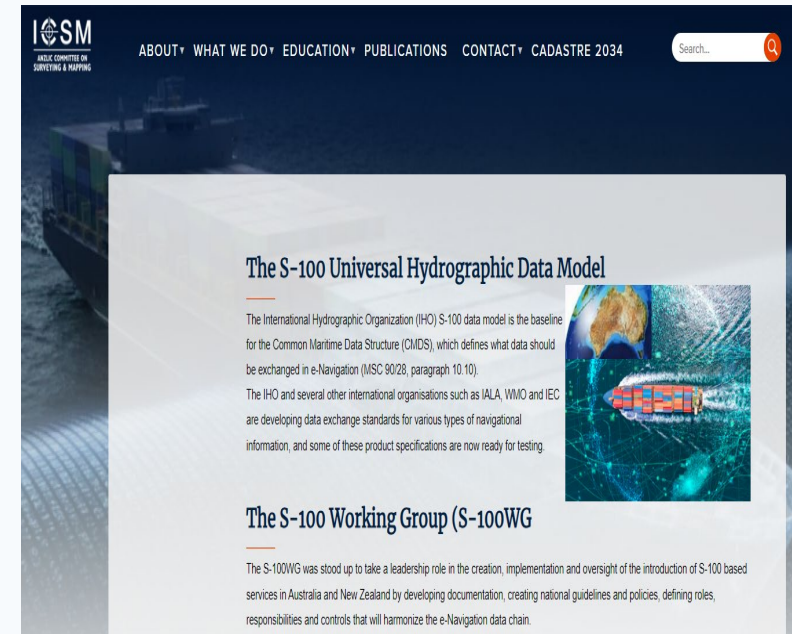
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Australia S-100 Working Group

- 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
- The next meeting will be held 18 March 2025



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



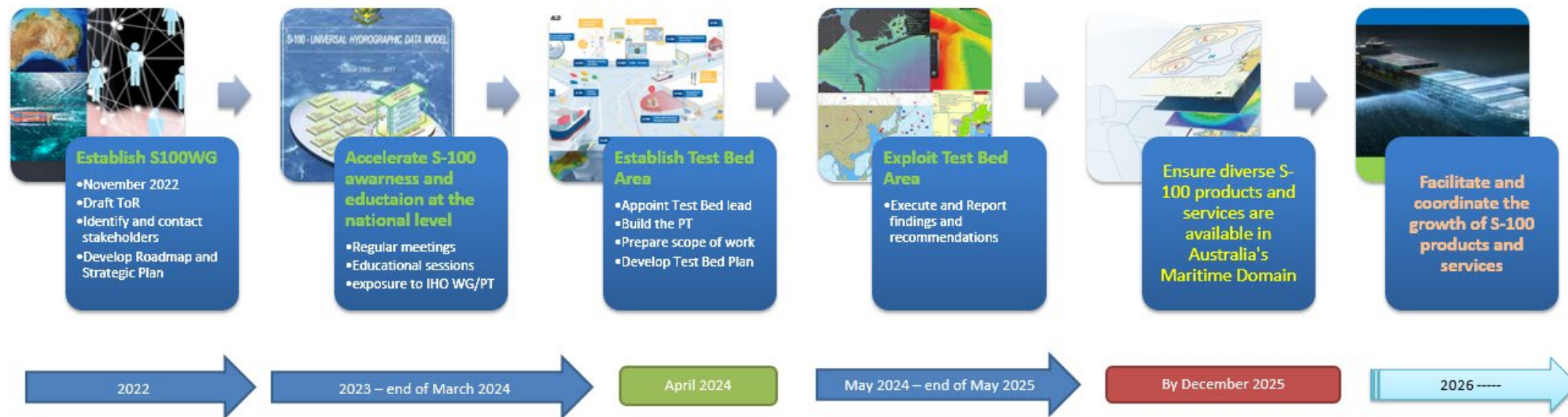
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AU S-100WG Roadmap

Planning our route for efficient navigation



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S-100 Test Bed Focus Group (TBFG)

- 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

S-1XX Test Datasets

S-1XX	Organisation
S-101	Australian Hydrographic Office (AHO)
S-102	Australian Hydrographic Office (AHO)
S-104	Australian Hydrographic Office (AHO)
S-111	Australian Hydrographic Office (AHO)
S-124	Australian Maritime Safety Authority (AMSA)
S-129	OMC International
S-128	Australian Hydrographic Office (AHO)



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Australia's S-100 Priority Areas



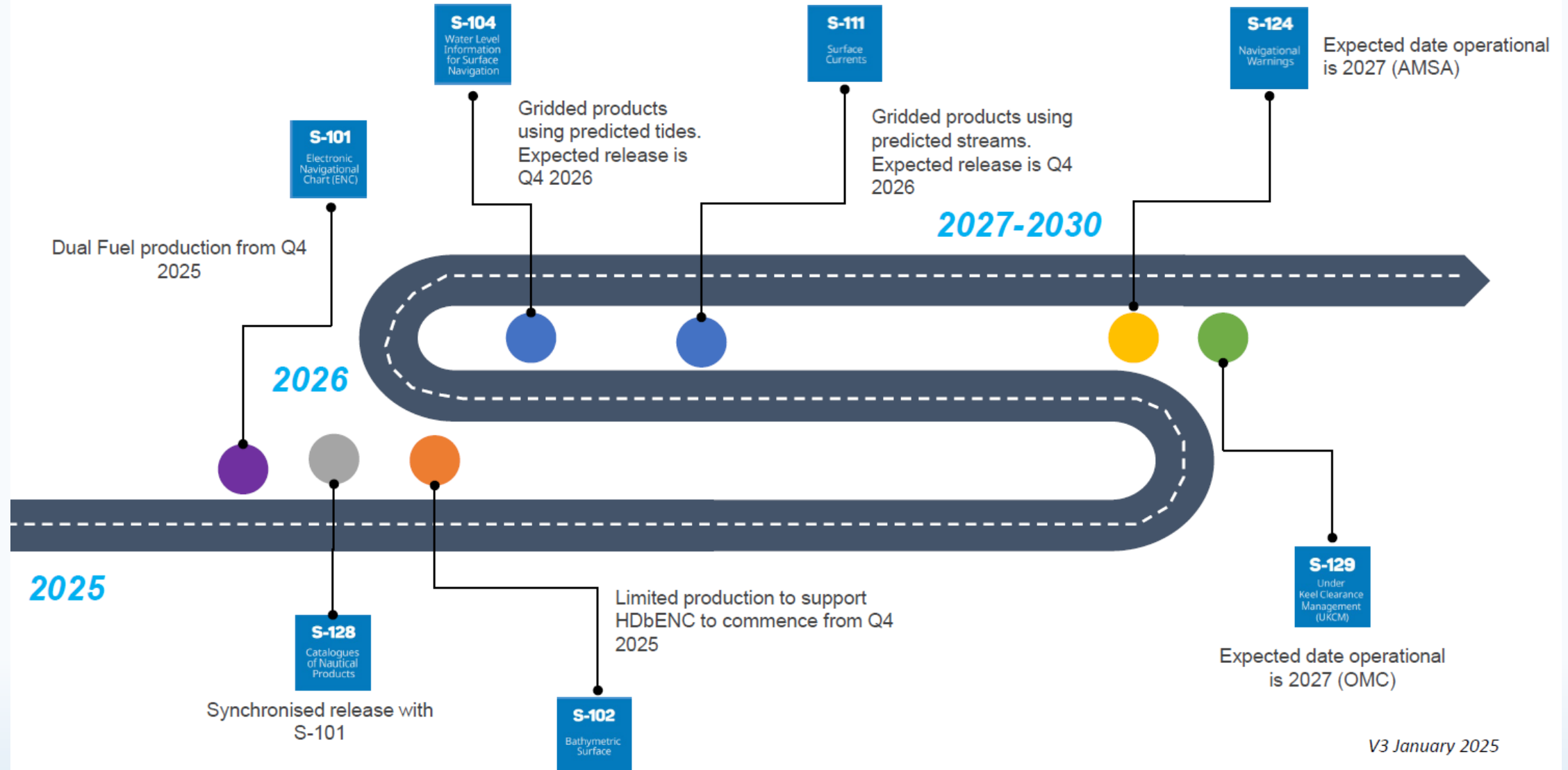
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AU S-100 Timeline

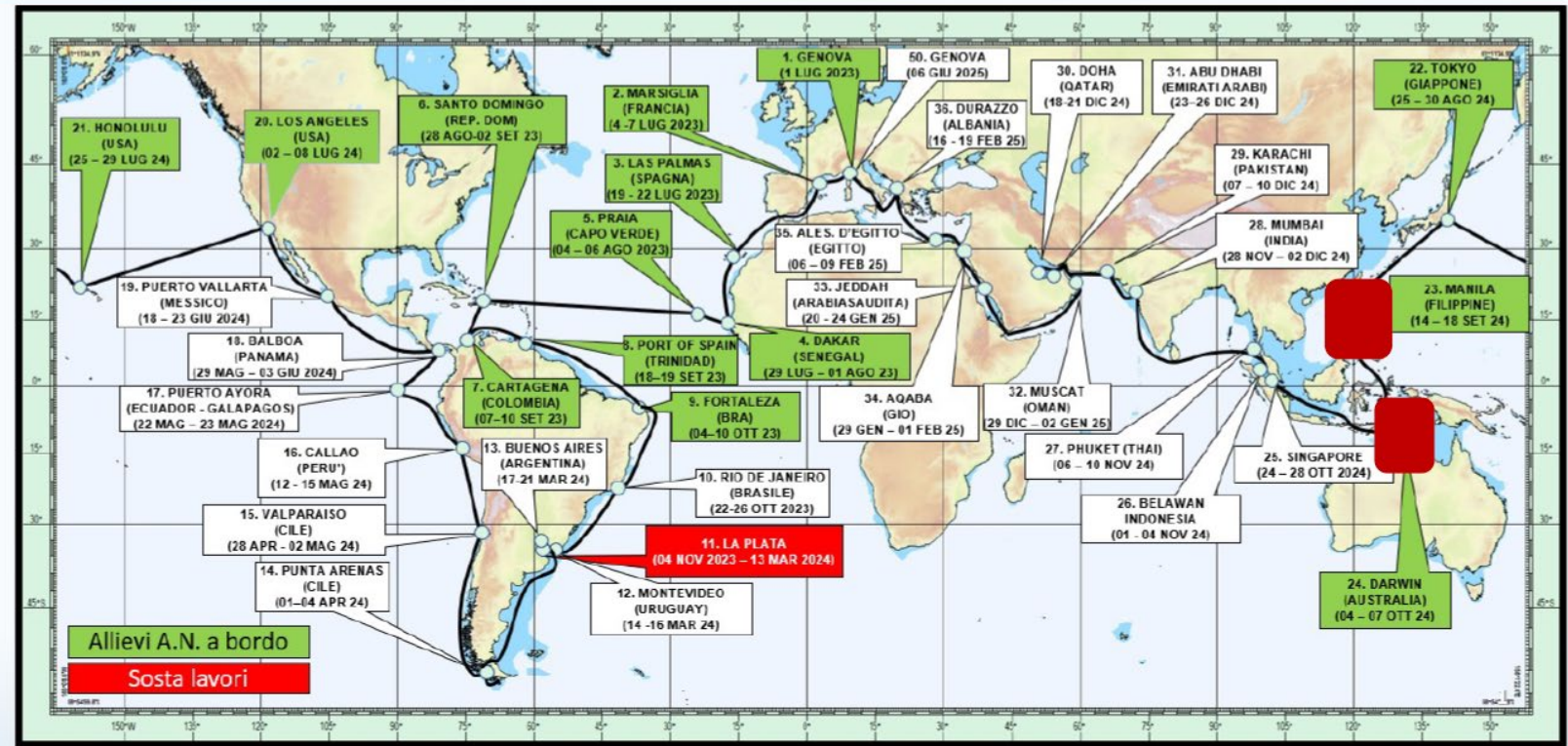


V3 January 2025

IHO Singapore Lab project – Amerigo Vespucci



SEA TRIALS AND TESTING: MANILA - DARWIN



S-101 ENC's on S-100 ECDIS during Amerigo Vespucci's world tour

Darwin (AU) 4-7th October 2024



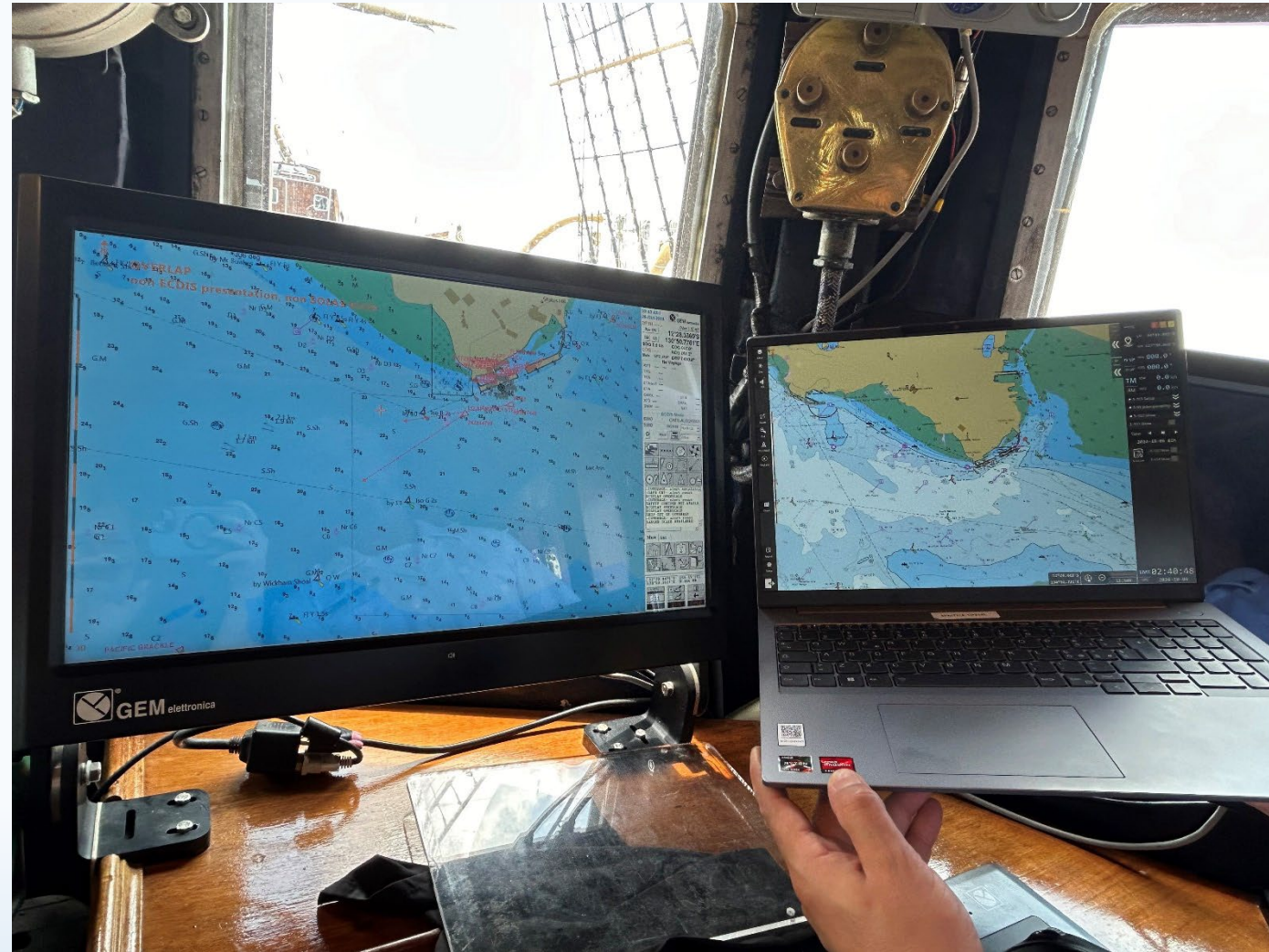
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Amerigo Vespucci – S-100 ECDIS testing

- 14 AU S-101 ENC's and updates were loaded in S-100 ECDIS;
- Demonstration test performed on three charts (101AU00413129 – 101AU00413130 – 101AU005DRW01);
- Checked the loaded updates against chart;
- Checked the S-57 and S-101 overlapping areas;
- All tests were carried out with positive result.



AU S-101 ENC's in S-100 ECDIS

List of all installed S-101 charts

The screenshot displays the ECDIS interface. On the left, the 'Chart Install' window shows a list of installed S-101 charts. The table below lists these charts:

Chart Name	Edition/Update Num.	Issue Date
101AU00210120	1.0	2024-07-30
101AU00220110	1.0	2024-07-26
101AU00220120	1.0	2024-07-30
101AU00309128	1.0	2024-07-26
101AU00310128	1.0	2024-07-26
101AU00311128	1.0	2024-07-26
101AU00312125	1.0	2024-07-29
101AU00312126	1.0	2024-07-29
101AU00312128	1.0	2024-07-26
101AU00412129	1.0	2024-07-26
101AU00413129	1.0	2024-07-26
101AU00413130	1.0	2024-07-31
101AU005DRW01	1.0	2024-07-31
101AU00312127	1.0	2024-07-30

The main display shows a map of the South West Pacific region. Several chart areas are highlighted with colored boxes and labeled with their identifiers and edition numbers, such as 101AU00220110 / 1.0, 101AU00310128 / 1.0, 101AU00312126 / 1.0, 101AU00312128 / 1.0, 101AU00413129 / 1.0, 101AU00413130 / 1.0, and 101AU005DRW01 / 1.0. The right sidebar displays ship information, alert status, and various setup options.

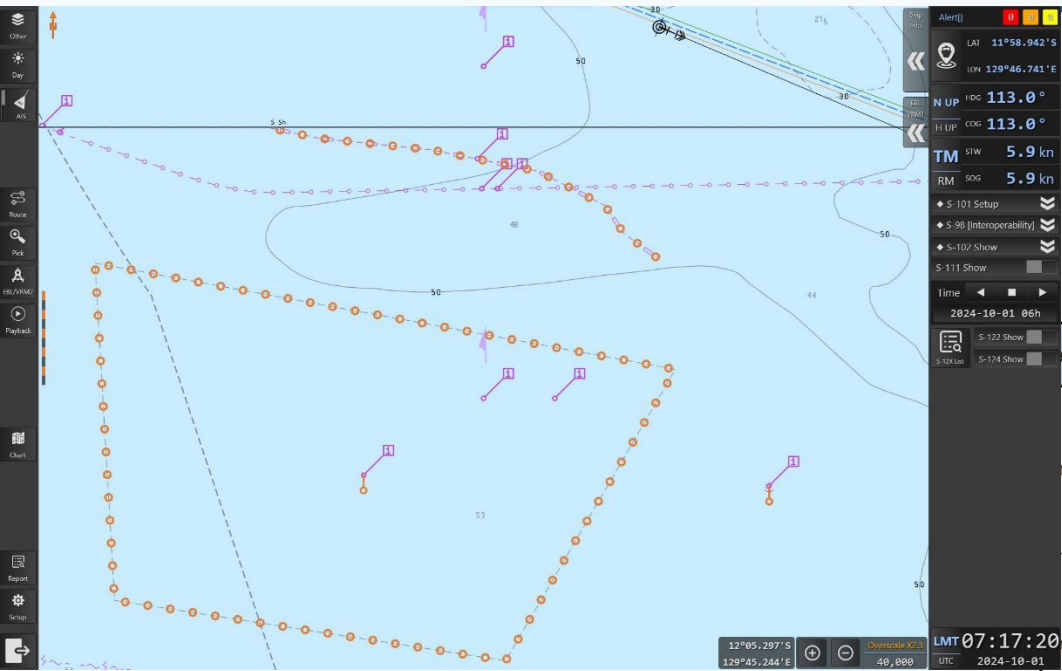


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Demonstration test 1.2 – 101AU00413129



Object Name	Ed.	Feature Object and Name	Lat Long	Instructions (take a screenshot or a 3-5 seconds screen record)	Time of verification	Vessel location (Lat, Long degree minute) at point of verification	Results 1	Results 2	Comments by user
101AU00413129	.001	CustomZone	12-03.629 S 129-43.206 E	Update, Add					
101AU00413129	.001	UpdateInformation	12-03.629 S 129-43.206 E	Please provide a photo of the UpdateInformation Object			OK	OK	N.N.
101AU00413129	.001	FerryRoute	12-00.341 S 129-44.820 E	Update, Add					
101AU00413129	.001	UpdateInformation	12-00.341 S 129-44.820 E	Please provide a photo of the UpdateInformation Object			OK	OK	N.N.

Option

2 Depth Shade

4 Depth Shade

Paper Symbol

Simple Symbol

Plain Line

Symbolized Line

National Language

Shallow Water Danger

Accuracy

Highlight Info

Highlight Date Dependent

Unknown Object

Overscale Pattern

Shallow Pattern

Full Light Lines

Scale Min

Highlight Document

Update Review

Chart Boundary

Text Placement



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Thank you.



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