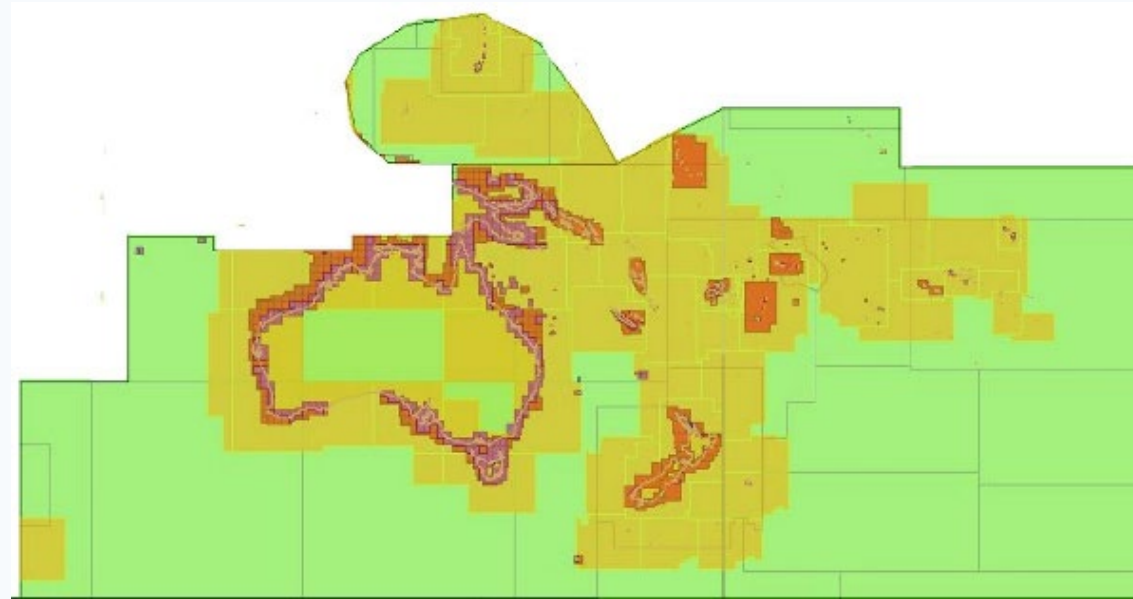


# 19<sup>th</sup> South West Pacific Hydrographic Commission Meeting

23<sup>rd</sup> – 25<sup>th</sup> Feb 2022, VTC



International Charting Coordination Working Group (ICCWG)  
report to SWPHC19



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South West Pacific Hydrographic Commission



# BACKGROUND

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- The SWPHC ICCWG was established in 2012 as a subsidiary of the SWPHC. It is made up of Producer Nations who publish Paper chart and ENC's in the SWPHC geographic area.
- Its main responsibility is for the coordination of Nautical Charting in the region, ensuring the Paper Chart INT series is comprehensive and current and the ENC coverage is appropriate. The main focus is on paper Charts at 1:500,000 and smaller and ENC Nav Purpose 1 and 2 coverage
- SWPHC is a fairly stable region in terms of INT Chart scheming. Current standards and procedures work for the countries involved.



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## Current SWPHC ICCWG Members

- Australia (chair) - Robert Cario – [robert.cario@defence.gov.au](mailto:robert.cario@defence.gov.au)
- France - Nicolas David - [nicolas.david@shom.fr](mailto:nicolas.david@shom.fr)
- New Zealand - Rachel Gabara - [rgabara@linz.govt.nz](mailto:rgabara@linz.govt.nz)
- UK - Lee Truscott - [lee.truscott@ukho.gov.uk](mailto:lee.truscott@ukho.gov.uk)
- USA - Sydney Catoire - [sydney.catoire@noaa.gov](mailto:sydney.catoire@noaa.gov)
- USA (NGA) - Rachel Janes - [rachel.r.janes@nga.mil](mailto:rachel.r.janes@nga.mil)



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# Allocation of Production Responsibilities, Coordination

Nations	Primary Charting Authority
<b><u>SWPHC Members:</u></b>	
Australia	Australia
Fiji	UK
France	France
New Zealand	New Zealand
Papua New Guinea	Australia
Samoa	New Zealand
Solomon Islands	Australia
Tonga	New Zealand
UK	UK
USA	USA
Vanuatu	UK
<b><u>SWPHC Associate Members:</u></b>	
Cook Islands	New Zealand
Indonesia	Indonesia
Kiribati	UK
Nauru	UK
Niue	New Zealand
Palau	USA

Nations	Primary Charting Authority
<b><u>SWPHC Observer:</u></b>	
New Caledonia	France
<b><u>Intergovernmental Observer Organization:</u></b>	
<b>Secretariat of the Pacific Community (SPC)</b>	
Fed States of Micronesia	USA
Marshall Islands	USA
American Samoa	USA
Pitcairn Islands	UK
Guam	USA
French Polynesia	France
Northern Mariana Islands	USA
Tokelau	New Zealand
Tuvalu	UK
Wallis and Futuna	France



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# Paper INT charts produced since the last conference

## UKHO

- Reproductions of INT charts produced by SHOM

GB Chart Number	Title	Published
4655 (INT 655)	International Chart Series – South Pacific Ocean, Mururia to Ducie Island	25th Feb 2021
4657 (INT 657)	International Chart Series – South Pacific Ocean, Southern Cook Islands to Îles de la Société and Îles Australes	25th March 2021
4656 (INT 656)	International Chart Series – South Pacific Ocean, Îles Tuamotu to Îles Australes	15th April 2021
4653 (INT 653)	International Chart Series – South Pacific Ocean, Malden Island to Îles de la Société	15th April 2021
4636 (INT 636)	International Chart Series – South Pacific Ocean, Récifs Bampton to Île Hunter	22nd July 2021

- New editions of GB INT charts

GB Chart Number	Title	Published	ENC
4637 (INT 637)	International Chart Series – South Pacific Ocean, Vanuatu to Norfolk Island	25th Nov 2021	GB204637



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# Paper INT charts produced since the last conference

## SHOM

FR Chart Number	Title	Published	ENC
7321 (INT636)	Des Récifs Bampton à l'île Hunter	21 <sup>st</sup> April 2021	FR273210
6933 (INT6881)	De l'Île Ouen à l'Île des Pins	21 <sup>st</sup> July 2021	FR469330
7643 (INT6900)	Port de Nouméa	20 <sup>th</sup> July 2021	FR676430
7466 (INT6955)	Bora-Bora	17 <sup>th</sup> March 2021	FR574660

## AHO

GB Chart Number	Title	Published	ENC
4727 (INT 727)	International Chart Series – South Pacific Ocean, Vanuatu to Norfolk Island	4 <sup>th</sup> Mar 2021	AU160120



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# Nav Purpose 1 & 2 ENC produced since the last conference

## UKHO

New Cells Feb 2021 - Jan 2022	Area	Week No.
GB600991	Pitcairn – Bounty Bay	51_21
GB6H0002	Vanuatu – Port Villa, Pontoon Bay	44_21

## AHO

Small scale ENC project was conducted in 2021 to update all Overview and General usage ENC's. The following cells were updated to current specifications, updated isogonals and generalisation of coastal data.

New Editions Feb 2021 - Feb 2022	Area	Published
AU160150	Australia - South East Approaches	25/11/2021
AU130090	North West Approaches	03/06/2021
AU160090	South West Approaches	02/09/2021
AU160120	Southern Approaches	30/09/2021
AU2597P0	Approaches to Heard Island	07/01/2021
AU240100	Cuvier Plateau to Diamantina Fault Zone	04/02/2021
AU240110	Jurien Bay to Albany	18/03/2021
AU240120	Esperance to Eucla	02/09/2021
AU240130	Head of Great Australian Bight to Cape Jaffa	09/09/2021
AU240140	Cape Martin to Cape Howe	02/12/2021
AU250130	Southern Ocean	19/08/2021
AU250140	Tasmania to South Tasman Rise	09/09/2021
AU250150	East Tasman Plateau	18/11/2021
AU240150	Bermagui to Coffs Harbour	18/11/2021
AU210100	Java Ridge (West)	13/05/2021
AU210110	Java Ridge (East)	13/05/2021
AU220110	Glomar Shoal to Lombok Basin	27/05/2021
AU230110	Port Hedland to Geraldton	24/06/2021
AU230100	Indian Ocean (South)	27/05/2021
AU220100	Indian Ocean (North)	13/05/2021



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# Paper INT charts & Nav Purpose ENC underway

## SHOM

On French waters around New Caledonia, SHOM is producing a chain at scale 1:300000. FR6686 (INT6843) Nouvelle-Calédonie (partie Sud-Est) - Iles Loyauté and FR6768 (INT6844) - Nouvelle-Calédonie (partie Sud) - Ile des Pins - expected to be published in 2022 and 2023.

SHOM plan to produce :

- new FR272680 (based on paper chart FR7268) and reduce FR273210;
- new FR272460 (based on paper chart FR7246) to expand ENC coverage in its EEZ

## AHO

AHO to update remaining Overview ENC's - AU130120 and AU130150 and corresponding AU2 cells. AHO currently undergoing New Editions of INT 708 and INT714 with limits amended to cover proposed withdrawn 1.5M charts.

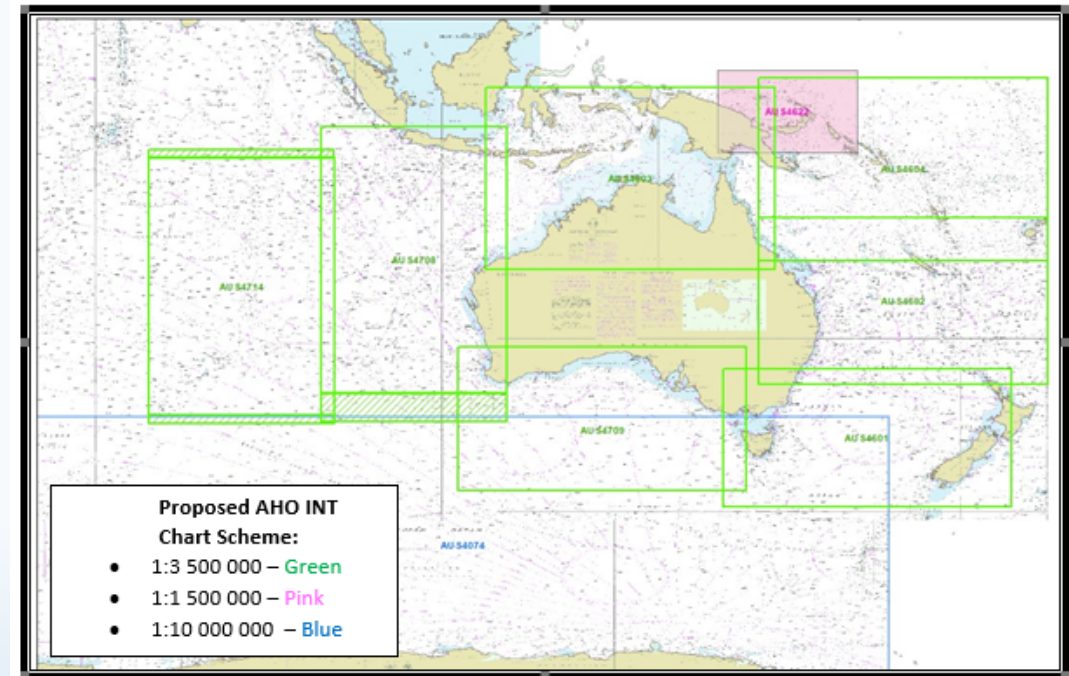


Figure 1: Proposed AUS INT paper chart reschemed.



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# Proposals for New INT Charts update

## NOAA

### Paper INT Chart Update:

NOAA is undertaking a five-year program to end all raster and paper nautical chart production. Ultimately, production of all NOAA paper nautical charts (including paper INT charts), raster navigational charts (NOAA RNC®), and related products will cease.

The following large scale raster charts in the Southwest Pacific are in their last edition and will be cancelled on May 4, 2022:

RNC	Title	Scale
81063	Commonwealth of the North Mariana Islands Rota	1:25,000
81086	Plans in the Mariana Islands; Faraloon de Pajaros; Sarigan Island; Farallon de Medinilla; Ascuncion Island; Agrihan; Agrihan Anchorage; Alamagan Island; Guguan; Anatahan	1:72,962
81092	Commonwealth of the Northern Mariana Islands	1:26,420
83157	Palmyra Atoll; Approaches to Palmyra Atoll	1:10,000
83153	United States Possession Kingman Reef	1:25,000

For a list of latest editions and pending chart cancellations, visit: <https://www.charts.noaa.gov/MCD/Dole.shtml>



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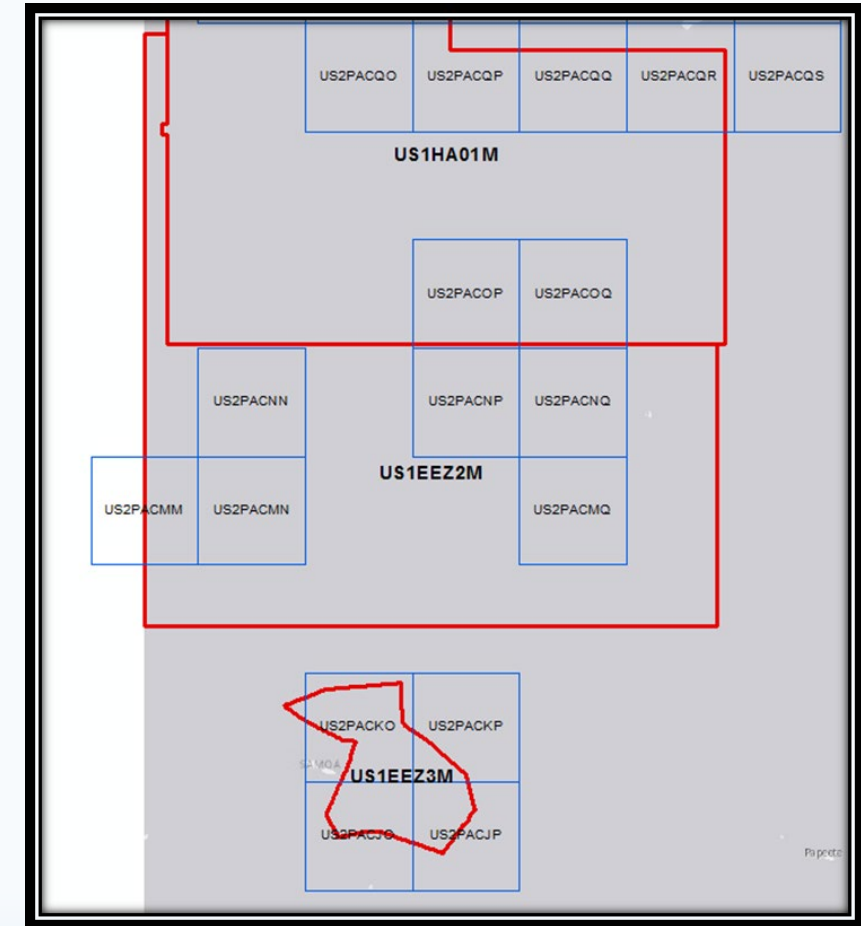
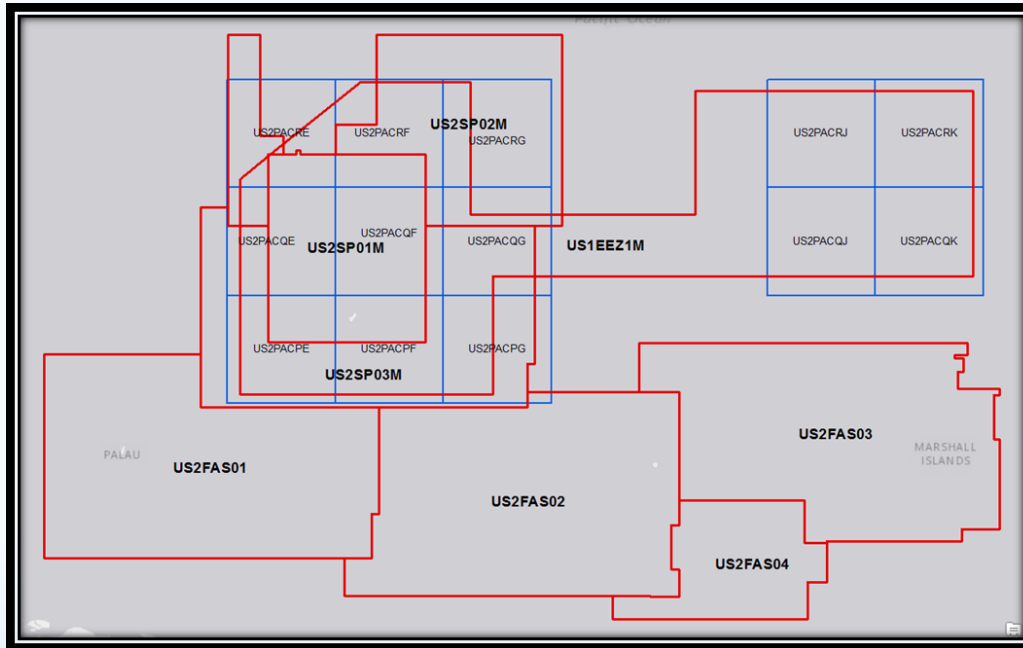


# Proposals for New INT Charts update

## NOAA

### *Nav Purpose 1 and 2 ENC Updates:*

NOAA's Office of Coast Survey is in the process of rescheming its ENC suite. Current ENC boundaries are based on the paper nautical chart extents, but will transition to a rectangular grid following latitude and longitude lines. Additionally, reschemed ENCs will have a standardized size with two scales per usage band.



*US current ENCs (outlined in red) with planned Nav Purpose 2 reschemed ENCs (outlined in blue)*



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# Proposals for New INT Charts

## LINZ

LINZ has now withdrawn NZ14630 (INT630) in April 2021 on publication of new chart NU131

<https://www.linz.govt.nz/sea/charts/paper-charts/nu131>

AHO A number of INT charts have been identified as suitable for withdrawal without replacement. The charts below are proposed to be withdrawn this year. The INT chart withdrawal program is scheduled for completion by end of 2022.

Chart	Title	Scale
AUS4620	Australia - Papua New Guinea - Percy Isles to Booby Island including Gulf of Papua	1:1,500,000
AUS4621	Coral and Solomon Seas - Mackay to Solomon Islands	1:1,500,000
AUS4623	South Pacific Ocean - Solomon Islands - Solomon Islands to Kosrae Island	1:1,500,000
AUS4634	South Pacific Ocean - Solomon Islands - Frederick Reefs to Solomon Islands	1:1,500,000
AUS4635	Australia - East Coast - Cape Byron to Mackay	1:1,500,000
AUS4643	Australia - East Coast - Cape Howe to Cape Moreton	1:1,500,000
AUS4644	Southern Ocean - Cape Otway to Cape Howe including Tasmania	1:1,500,000
AUS4720	Australia - North Coast - Booby Island to Cape Wessel including Gulf of Carpentaria	1:1,500,000
AUS4721	Australia - North Coast - Cape Wessel to Adele Island including Adjacent Waters	1:1,500,000
AUS4722	Australia - North West Coast - Adele Island to Dampier including Adjacent Waters	1:1,500,000
AUS4723	Australia - North West Coast - Java to North West Cape	1:1,500,000
AUS4725	Australia - West Coast - North West Cape to Cape Leeuwin	1:1,500,000
AUS4726	Australia - South West Coast - Western Australia - Cape Leeuwin to Esperance	1:1,500,000
AUS4727	Australia - South Coast - Esperance to Whidbey Isles	1:1,500,000
AUS4728	Southern Ocean - Spencer Gulf to Tasmania	1:1,500,000
AUS4710	Indian Ocean - Cape Leeuwin to Southeast Indian Ridge	1:3,500,000
AUS4060	Australia - Australasia and Adjacent Waters	1:10,000,000
AUS4070	Indian Ocean - Indian Ocean Southern Part	1:10,000,000
AUS4071	Indian Ocean - Indian Ocean Northern Part	1:10,000,000

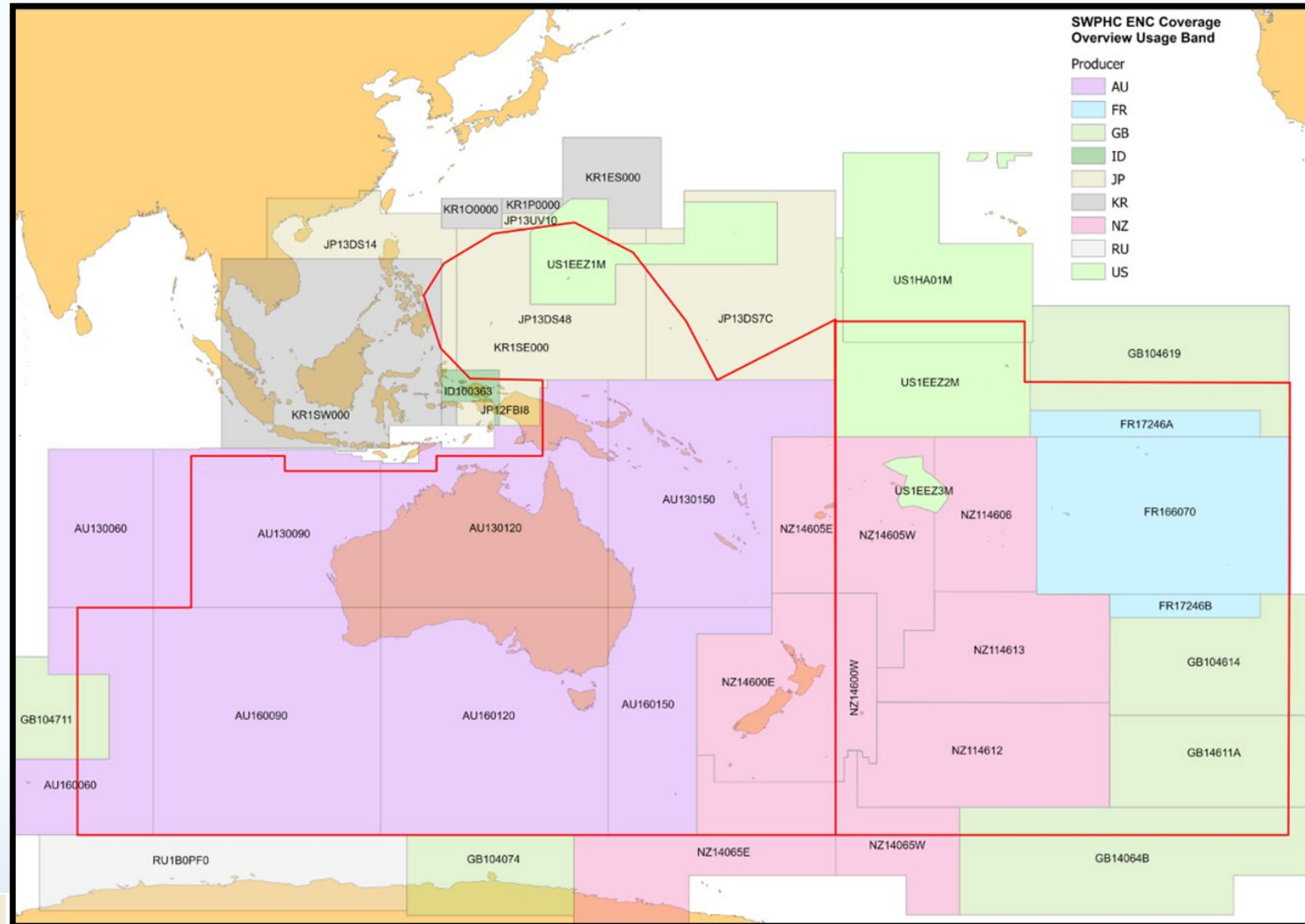


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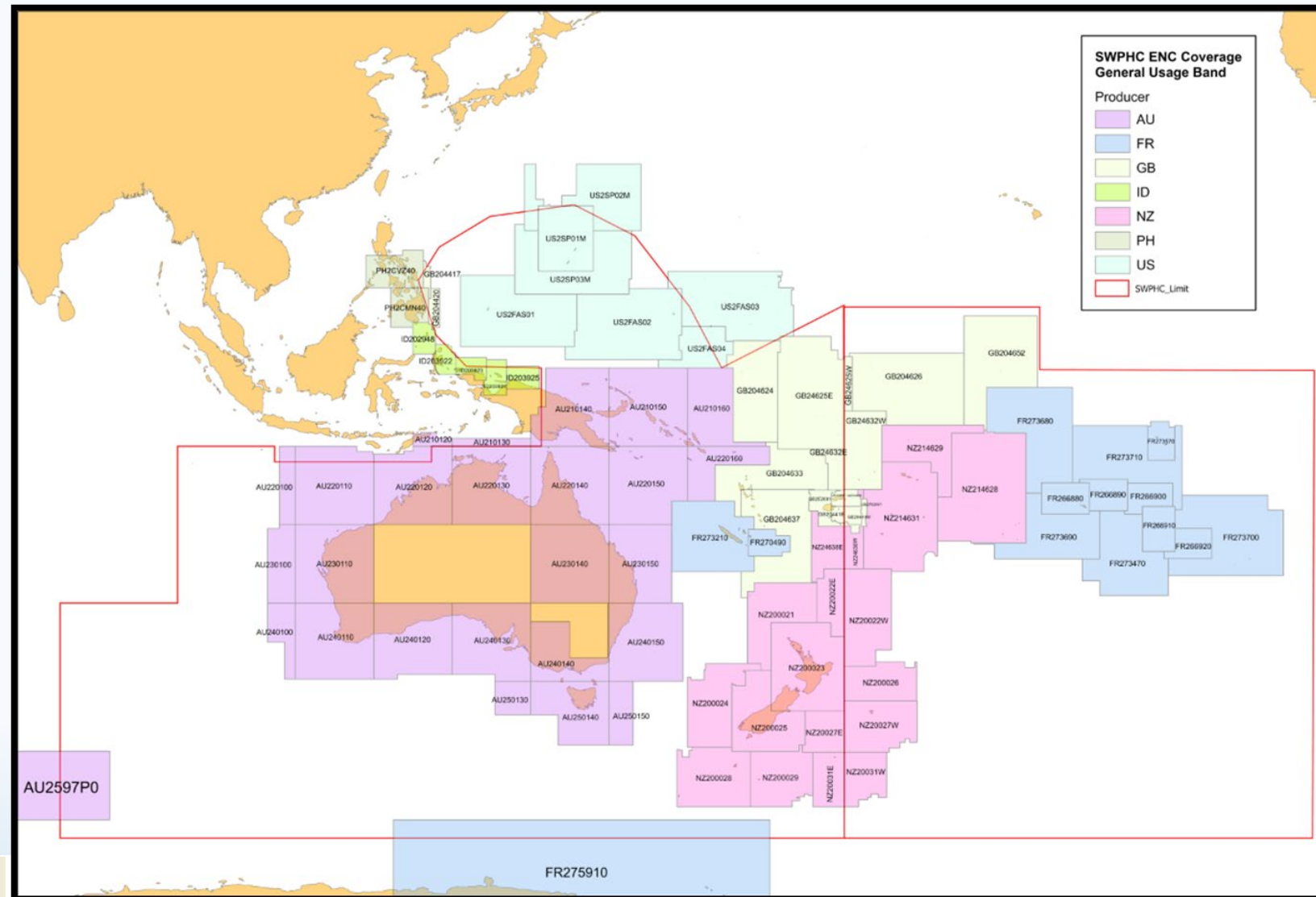
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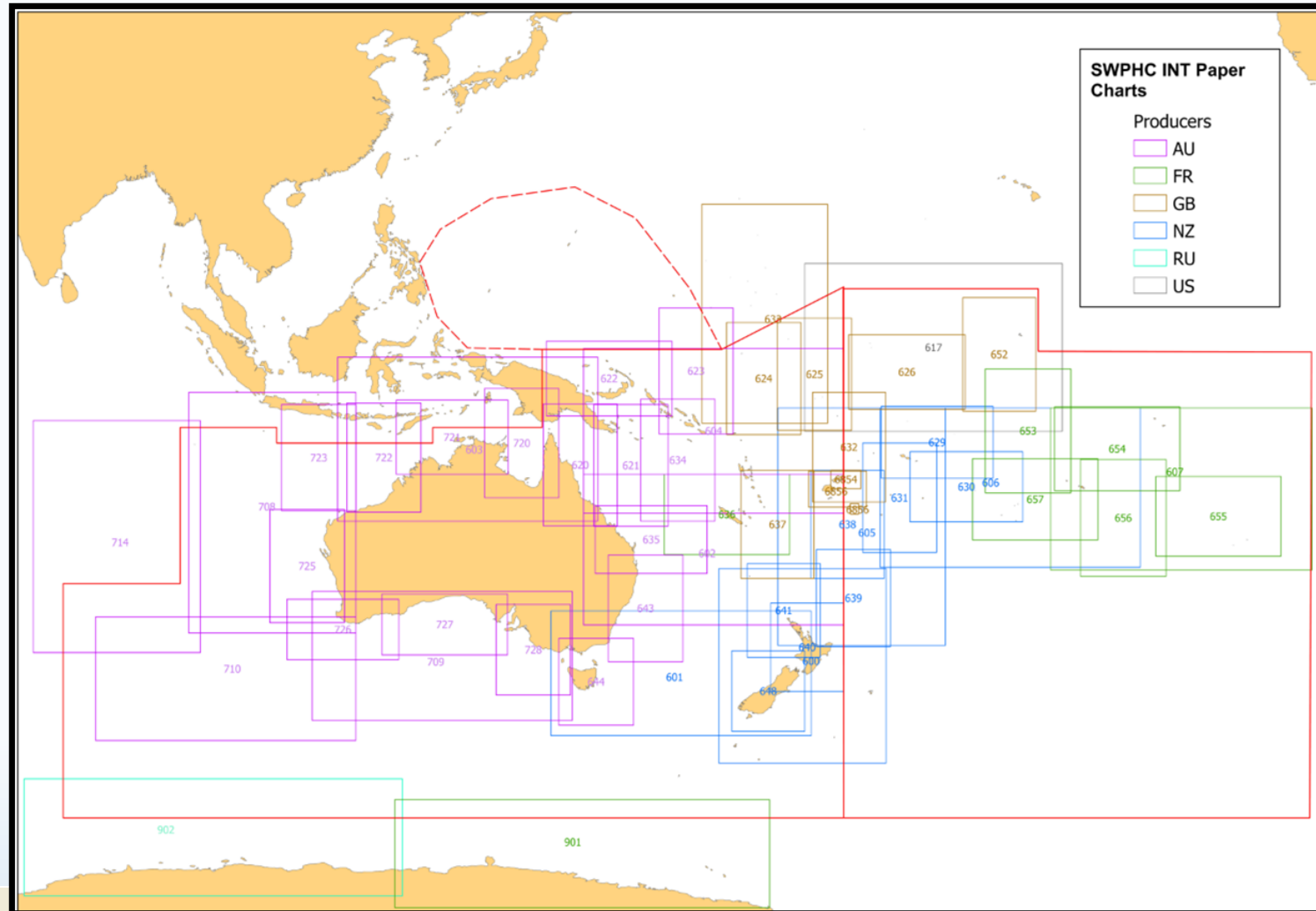
## Current ENC coverage - Nav Purpose 1 - Overview



## Current ENC coverage - Nav Purpose 2 - General



# Current INT Charts



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# ENC Overlaps & WEND principles

The following is an extract from a report received from IC-ENC regarding overlaps of ENC in the SWP. Further details can be provided by contacting the ICCWG Chair

Several low severity ENC overlaps exist - PCAs are working to resolve.

IC-ENC REGIONAL HYDROGRAPHIC COMMISSION OVERLAP REPORT - SOUTH WEST PACIFIC RHC - FEBRUARY 2022																		
ID	STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	ENC 1 Scale	ENC 2 Scale	Overlap extent (Kmxkm) (m/square NM)	Content difference	Geog. Location	Shipping density	Size	Scale	Route patterns	ECDIS	Overall Severity of Risk	Justification
126	LIVE	IC-ENC	SWPHC/HCA	RU1B0PF0	AU160060	1	3000000	3500000	840Km x 558Km 135600 sq. NM	LOW	LOW	LOW	LOW	LOW	LOW	MEDIUM	LOW	Overlap is located in the Antarctica, it charts very deep waters. There is a 119m shoal depth which is captured on AU160000 which is not captured on RU1B0PF0. Little traffic as expected.
127	LIVE	IC-ENC	SWPHC/HCA	RU1B0PF0	AU160090	1	3000000	3500000	560Km x 1700Km	LOW	LOW	LOW	LOW	LOW	LOW	MEDIUM	LOW	Overlap is located in the Antarctica, it charts very deep waters. Little traffic as expected.
128	LIVE	IC-ENC	SWPHC/HCA	RU1B0PF0	AU160120	1	3000000	3500000	560Km x 195Km	LOW	LOW	LOW	LOW	LOW	LOW	MEDIUM	LOW	Overlap is located in the Antarctica, it charts very deep waters. Little traffic as expected.

## Adherence to WEND principles

ENCs are distributed worldwide via the following mechanisms:

### Producer nation

France  
Australia  
New Zealand  
UK  
US

### Mechanism

PRIMAR RENC  
IC-ENC RENC  
IC-ENC RENC  
IC-ENC RENC  
IC-ENC RENC



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### Recommendations for discussion at SWPHC 19

1. Members of the SWPHC note this report



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