



# 14<sup>th</sup> Meeting of the WENDWG

## **Report of the East Atlantic Hydrographic Commission**

**By Region G Charting Coordinator (France)**

### **Agenda Item 05.1Ad**



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# EATHC GENERALITIES

International  
Hydrographic  
Organization

- EAtHC17 held in Mindelo - Capo Verde (28-30 September 2022)
  - EAtHC VTC 01 and ICCWG Workshop on S-100 (23 November 2023)
  - EAtHC18 is planned in Casablanca – Morocco (1-3 May 2024)
  - Regional Awareness Seminar *20 years of Capacity Building* organized before (29-30 April)
  - Regional Charting Coordinator (RCC) for Region G: France (Shom)
- 
- Current ICCWG membership :  
France – Ghana – Morocco – Nigeria – Portugal – Spain – United Kingdom (Observer)  
All are ENC producers except Ghana



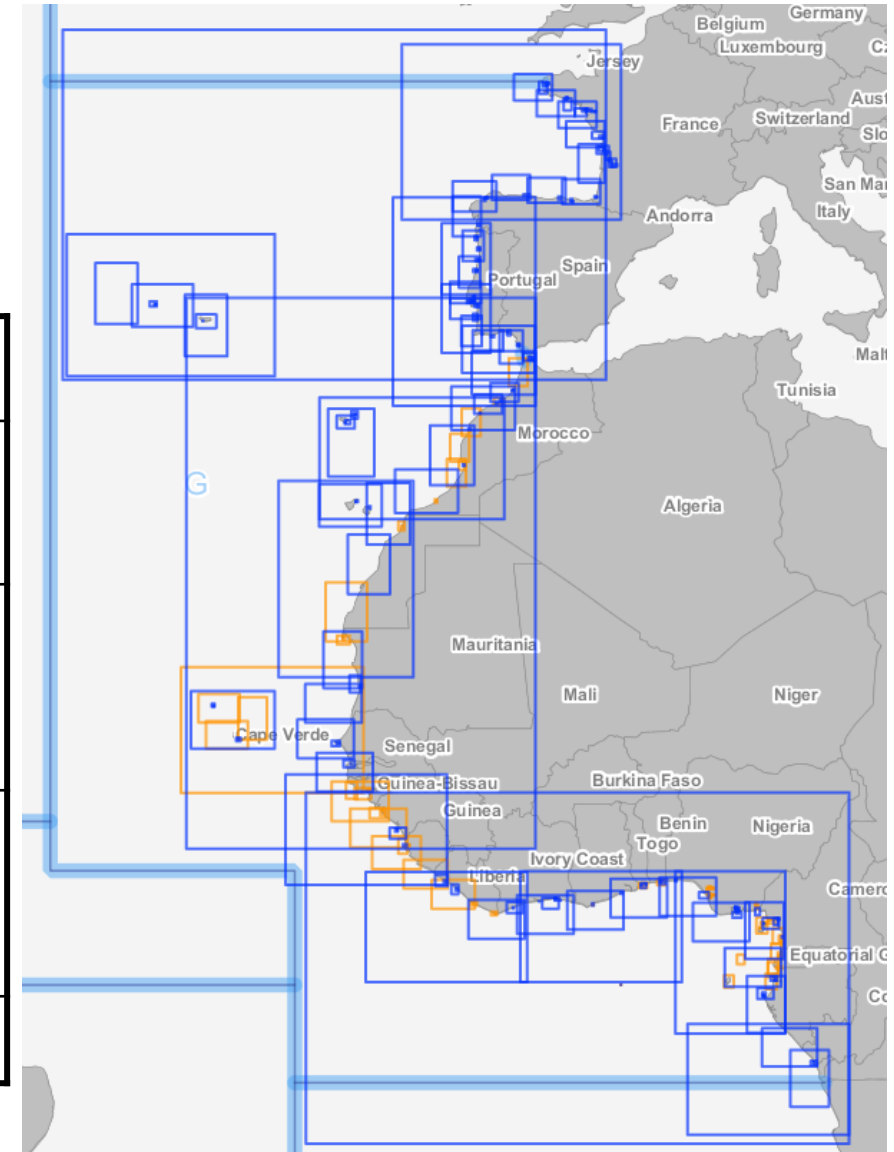
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# REGION G INT CHART SCHEME

International Hydrographic Organization

The INT scheme for Region G can be considered as mature.  
A few proposals to update the INT scheme.

CHAto / <i>EAtHC</i>	14 <sup>th</sup>	15 <sup>th</sup>	Interim 16 <sup>th</sup>	16 <sup>th</sup>	17 <sup>th</sup>	VTC01
Total Cartes INT <i>Total INT charts</i>	172	173	173	199	199	<b>204</b>
Cartes INT produites <i>Produced INT charts</i>	139	141	142	146	149	<b>158</b>
Cartes INT planifiées <i>Planned INT charts</i>	33	32	31	53	50	<b>46</b>
Ratio	80%	82%	82%	73%	75%	<b>77%</b>



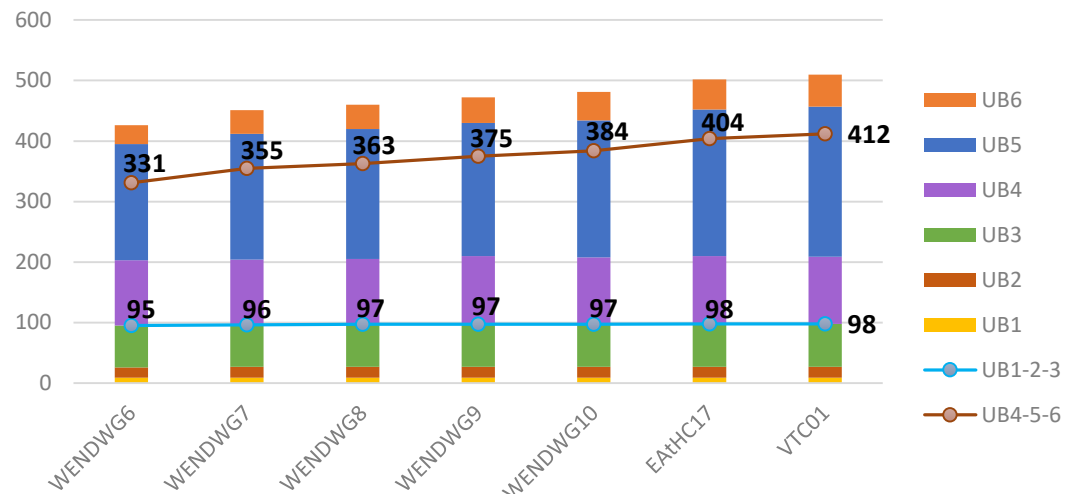


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# REGION G ENC SCHEME

International Hydrographic Organization

## Status of the ENC's



The number of ENC's available in the region continues to increase but the increase is with two trends:

- certain maturity of the scheme for UB 1, 2 & 3
- publication of more :
  - ❖ harbour ENC's (UB5 : + 2,5% in the last year)
  - ❖ berthing ENC's (UB6 : + 6% in the last year)



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# ENC SCHEME FOR REGION G

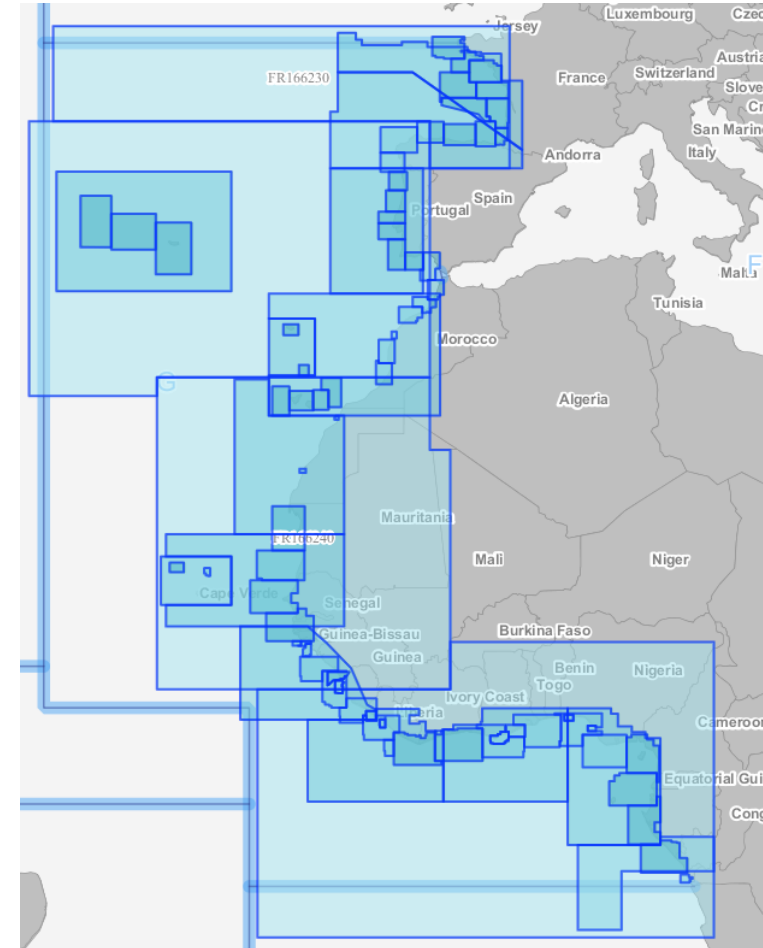
International  
Hydrographic  
Organization

Part A: Section 200 of S-11 provides guidance for the preparation and maintenance of ENC schemes, similar to what is done for INT charts schemes.

INToGIS Phase II extends the visualization / management of INT charts scheme to ENCs.

## **Actions EAtHC (ICC) 16-08, 16-09 & 16-10 related to this issue**

Necessary exchange between IHO Secretariat and Charting Coordinator to specify how to manage ENC scheme via the dedicated interfaces of INToGIS





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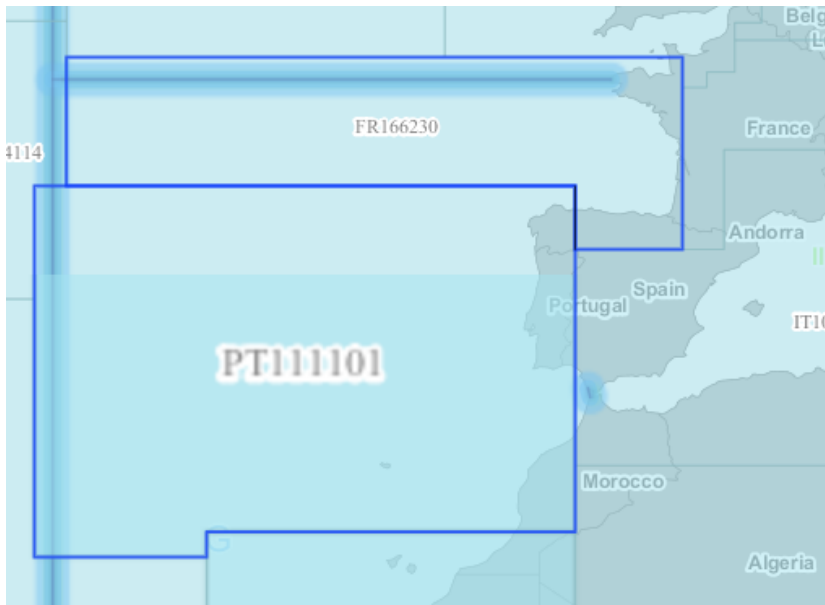
# 2 ENC OVERLAPS ACCEPT (VERY INSIGNIFICANT)

International Hydrographic Organization

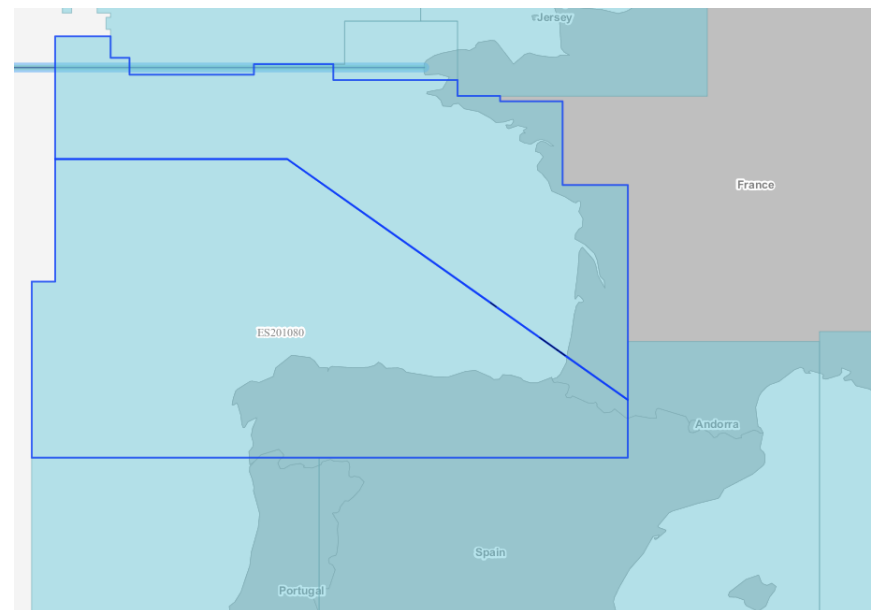
Source : IC-ENC

## IC-ENC REGIONAL HYDROGRAPHIC COMMISSION OVERLAP REPORT - East Atlantic RHC - FEBRUARY 2022

ID	STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	ENC 1 Scale	ENC 2 Scale	ENC 1 Version	ENC 2 Version	Overlap extent (Kmxkm) (m/square NM)	Content difference	Geog. Location	Shipping density	Size	Scale	Route patterns	ECDIS	Overall Severity of Risk	Justification
201	ACCEPT	IC-ENC - PRIMAR	EATHC	ES201080	FR272110	2	700000	700000	3 (25)	2 (1)	1.6km x 39.8km	LOW	LOW	HIGH	LOW	LOW	LOW		ACCEPT	Small overlap in coastal location. High cells due to extent of cell.
198	ACCEPT	IC-ENC - PRIMAR	EATHC	PT111101	FR166230	1	1500000	1500000	6 (11)	2 (2)	53m x 277745m	LOW	LOW	HIGH	LOW	LOW	LOW		ACCEPT	Small overlap on band 1 cell in coastal location, high sales due extent of cell



FR166230 – PT111101  
Overlap : 14,7 km<sup>2</sup> (0,0009% of FR ENC area)



ES201080 – FR272110  
Overlap : 63,7 km<sup>2</sup> (0,02% of FR ENC area)

WENDWG14, Norfolk, Virginia, USA – 20 – 22 February 2024

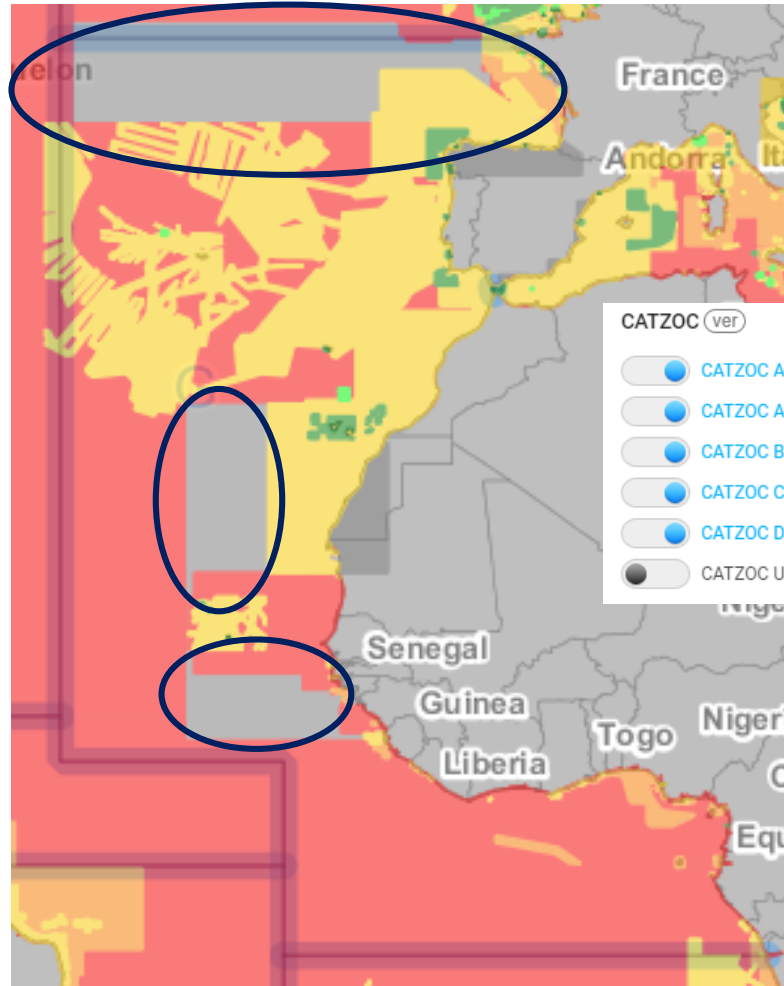
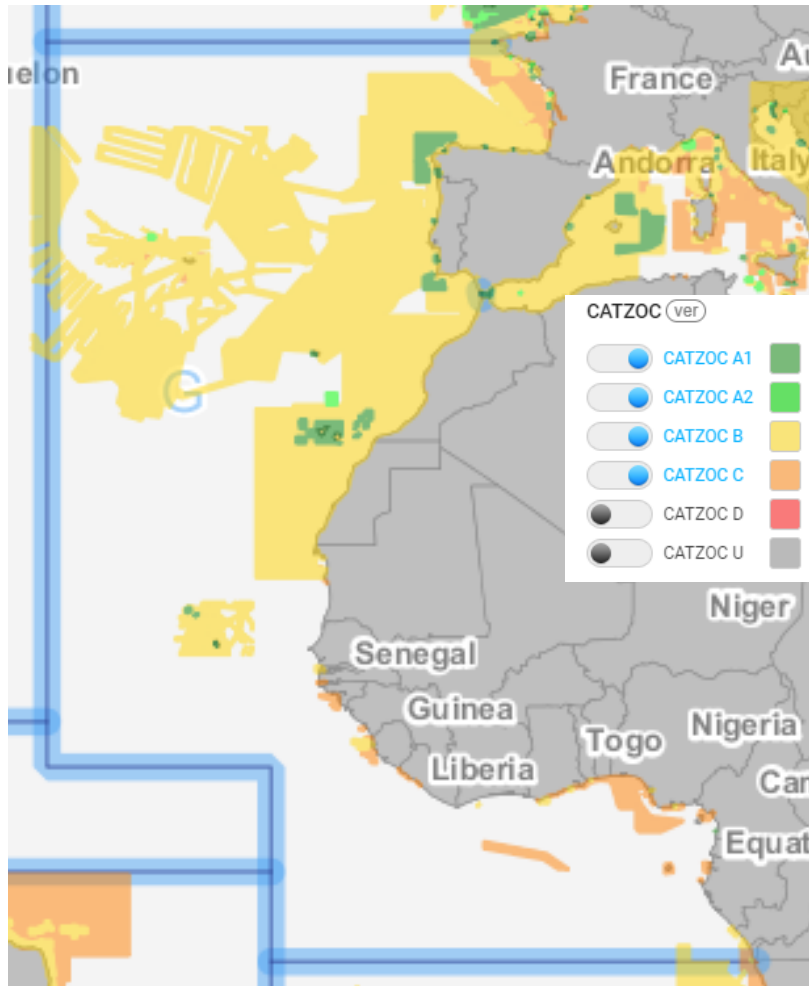


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# 3 - REGION G ENC SCHEME

International Hydrographic Organization

## 3.3 Implementation of CATZOC in ENCs



### Action EAtHC (ICC) 16-13

Member states ENC  
producers to populate the  
CATZOC values (1 to 5) of  
their ENC cells

Source : INTOGIS (October 2023)



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# EATHC ICCWG S-100 WORKSHOP - 23 NOV 2023

International  
Hydrographic  
Organization

- S-100 General Matters  
IHO tools (INTOGIS)  
Response to the survey on S-1XX readiness (CL WENDWG 1/2023)
- S-100 Implementation strategy by each producer of the Region
- S-100 Coordination within the EAtHC  
S-1XX coverage  
Scale harmonisation  
Priorisation of S-1xx products  
Training

WENDWG14, Norfolk, Virginia, USA – 20 – 22 February 2024





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# Response to the CL WENDWG 1/2023 on S-1xx readiness

International Hydrographic Organization

		Do you plan to provide the first products in 2026?	Which products do you intend to provide?	When do you plan to provide the first products?	Is your organisation developing an S-1XX plan (timeline, products)?	When do you expect to have this plan ready?	
ANNEX A	Readiness check (Regional and national level)	Yes	S-101, S-102, S-104, S-111, S-124, S-128	2025 <sup>1</sup>	/	/	
		Yes	S-101, S-102, S-104, S-111, S-124, S-128	2026 <sup>3</sup>	/	/	
		Yes	S-101, S-102, S-104, S-111, S-124	2025	/	/	
	Producer by Producer		Yes	S-101	First quarter of 2026	Yes	End of 2023 / First quarter of 2024
			/	/	/	Yes	2024
			/	/	/	No	/

All the producers of the Region have responded

4 producers plan to make available S-1xx products in 2025/2026, at least S-101

1 is working on the S-100 implementation plan

1 has no plan



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# Prioritisation of products and CB

International Hydrographic Organization

	S-102 (Bathymetric Surface)	S-104 (Water Level Information for Surface Navigation)	S-111 (Surface Currents)	S-124 (Navigational Warnings)	Other S-100 products (Add Product Specifications below)
ANNEX B Prioritisation of Products and Services, Capacity Building (national level)  Producer by Producer	2025 <sup>1</sup>	2025 <sup>1</sup>	2025 <sup>1</sup>	2025 <sup>1</sup>	2025 <sup>1</sup> (Need support from IC-ENC)
	2026	2026	2026	2026	2026 (S-128)
	2025	2025	2025	2025	/
	2026	2030	2030	2026	/
	2028 (need support)	2030 (need support)	2030 (need support)	2026 (need support)	/
	Undetermined (need support)	Undetermined (need support)	Undetermined (need support)	Undetermined (need support)	Undetermined (need support)

**4 producers plan availability of S-124 navigational warnings from 2025/2026**

**2 producers plan to make available S-128 catalogues of nautical products. Will all producers provide the metadata in the CATALOG.xml associated with the S-1xx product?**



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# S-1xx Trial data

International Hydrographic Organization

	If yes, please indicate the trial products you could share or wish to share.	Would you like support in sharing S-100 trial products?
ANNEX C Sharing Trial data (national level) Producer by Producer	S-101, S-102	Yes
	S-101, S-102, S-104, S-111	No
	S-101, S-102, S-104, S-111	No
	/	Yes
	/	Yes
	/	Yes
	/	Yes

**Trial data available for S-101, 102, 104 and 111**

**But not for S-128 catalogues of nautical products and S-124 for navigational warnings**



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# PROPOSED DECISIONS AND ACTIONS TO THE EATHC18 S-100 COORDINATION

International  
Hydrographic  
Organization

- The Charting Coordinator will propose **updating the TORs of the ICCWG** coordination group and the role of coordinator.  
EAtHC17 decided that the role of the Coordinator for Region G covers S-100 products.
- The Coordinator proposes to take part in the INTToGIS III trials planned by the IHO secretariat
- Producers will provide the Coordinator with their plans of production for INTToGIS



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# PROPOSED DECISIONS AND ACTIONS TO THE EATHC18 S-128 COORDINATION

International  
Hydrographic  
Organization

- All producers: ensure availability of S-1xx product metadata in product CATALOG.xml (in accordance with product specifications) required for the production of S-128 catalogs
- All producers: specify to the coordinator how S-128 catalogs of their products will be produced (by themselves or their RENC or another producer).
- All producers: make available test data for S-128 catalogs.



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# PROPOSED DECISIONS AND ACTIONS TO THE EATHC18 S-1XX COORDINATION

International  
Hydrographic  
Organization

- NAVAREA II Coordinator (France) will produce S-124 navigational warnings from 2026.
- EAtHC States should consider to produce coastal navigation warnings from 2026.
- Producers are invited to provide trial data for the S-124 navigational warnings.
- S-102, 104 and 111 will be produced by the ENC producer (WEND-100 principal).



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# PROPOSED DECISIONS AND ACTIONS TO THE EATHC18 S-101 COORDINATION

International  
Hydrographic  
Organization

SO as to not complicate the production and the dissemination

- The producer of an S-57 ENC is the producer of the equivalent S-101 ENC according the data coverage defined for the S-57 ENCs.
- ENC S-57 and S-101 schemes will be identical in the dual fuel period.



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# PROPOSED DECISIONS AND ACTIONS TO THE EATHC18 S-101 COORDINATION

International  
Hydrographic  
Organization

- ENC producers aim to make S-101 ENC's available NLT 2026 (when the first S-100 ECDIS are available), at least those **useful for international maritime traffic**
- Producers will adopt 6 UB for the S-101 schemes and intend to use the same minimum and maximum Display Scales for ENC S-101 equivalent to ENC S-57 of UB 1 to 3, so as to ensure homogeneity of ECDIS representation for the Region.





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## ACTIONS REQUIRED

International  
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Organization

The WENDWG14 is invited:

- To note the report for the Region G
- To note in particular the consensus to develop 6 UB layers for the S-101 ENC's and the intent to harmonise the minimum and the maximum display scales