

International charting coordination working group (ICC-WG)

Présenté par la France (coordinateur cartographique pour la Région G)
Presented by France (as Region G charting coordinator)



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1. Opening

- France (Shom) – Charting coordinator for the Region G
 - Coordinator : Capt Pierre-Yves Dupuy pierre-yves.dupuy@shom.fr
 - Supported by : Cdr Vincent Lamarre vincent.lamarre@shom.fr (leaving)
 - October 1st – Replaced by Lt Julien Smeekaert julien.smeekaert@shom.fr
- Generic email address : regionGcoord@shom.fr

2. Approval of Agenda

3. Matters arising from the 15th EAtHC conference

ICC-WG Action list to be updated



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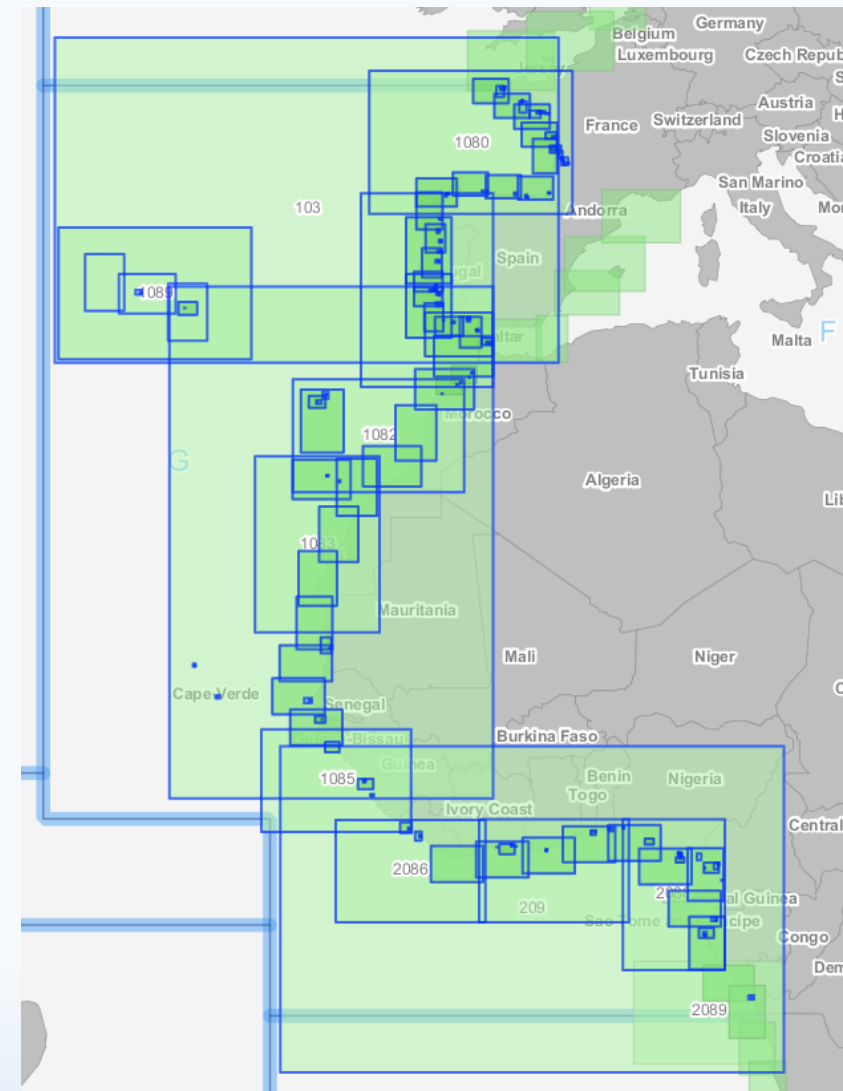
4. Region G INT Chart Scheme

4.1 Evolution of the regional INT catalogue

Not all changes made to the Scheme (ICC-WG CL 01/2018 & 01/2020) are yet reflected in the catalog

Overall stable pattern since the previous conference

CHAtO / <i>EAtHC</i>	14 th	15 th	Interim 16 th
Total Cartes INT <i>Total INT charts</i>	172	173	173
Cartes INT produites <i>Produced INT charts</i>	139	141	142
Cartes INT planifiées <i>Planned INT charts</i>	33	32	31
Ratio	80%	82%	82%



<http://chart.iho.int:8080/iho/main.do#>



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16th EAtHC, Interim meeting, VTC September 28-29th 2020

4. Region G INT Chart Scheme

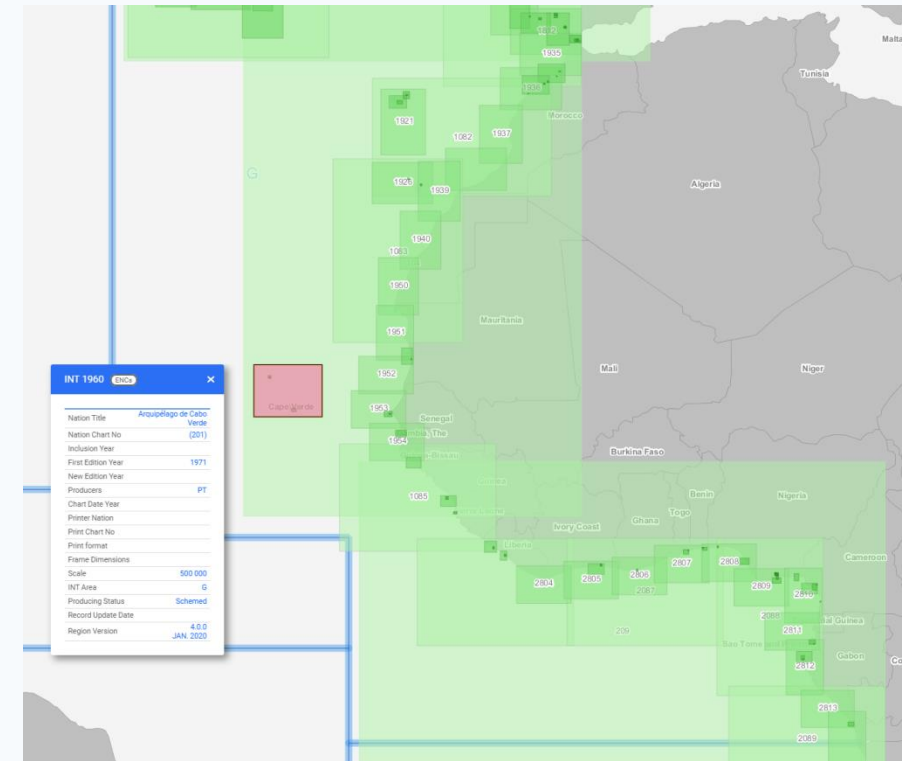
4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

✓ INT 1960 (PT201) – Limits updated

Numéro INT	Numéro National	Titre	Sud	Nord	Ouest	Est	Echelle
Limites actuelles / Actual limits							
INT1960	PT201	Arquipélago de Cabo Verde	14° 30.00' N	17° 40.00' N	026° 00.00' W	021° 40.00' W	500 000
Nouvelles limites et échelle proposées (Edition 4) / New limits proposed							
INT1960	PT62101 (201)	Arquipélago de Cabo Verde	14° 22.10' N	17° 45.60' N	026° 23.20' W	021° 14.80' W	500 000

New national number will be assigned



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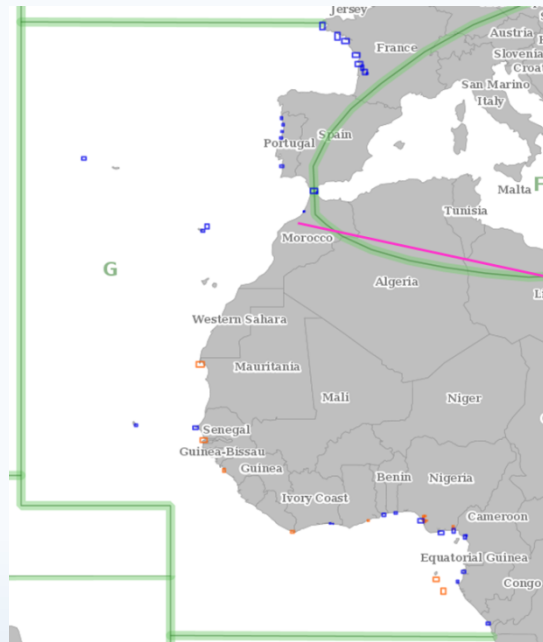
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

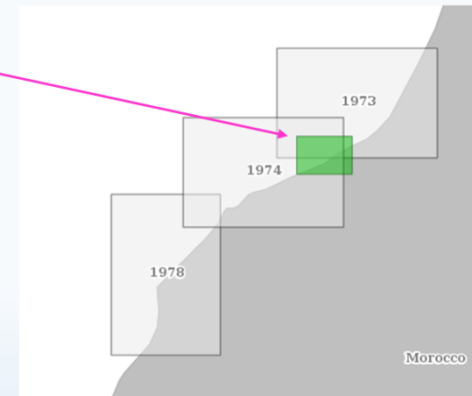
New INT charts added to the Region G INT scheme

✓ **INT1980 (FR7706 – MA2001)**



Abords de Casablanca et de Mohammadia

• Echelle : 1 / 50 000



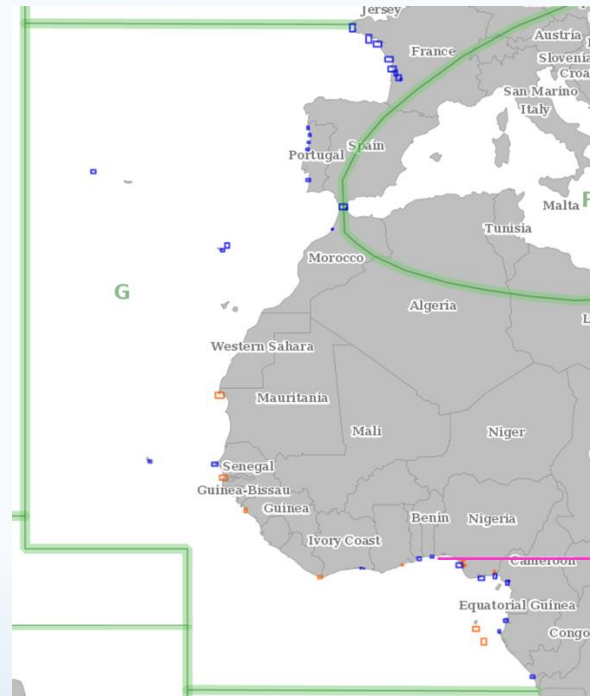
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

New INT charts added to the Region G INT scheme

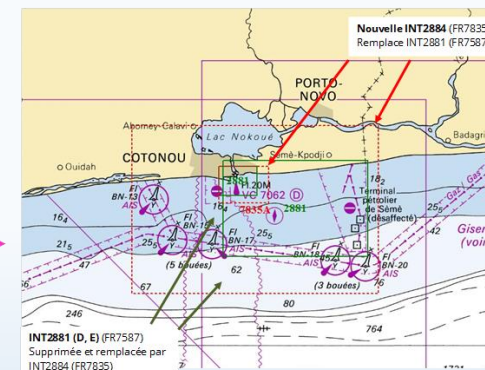
✓ INT2884 (FR7835)



Côte du Bénin / Port de Cotonou

- Plan A : De Cotonou à Sèmè-Kpodji / 1 : 75 000 / ENC FR47835A
- Plan B : Port de Cotonou / 1 : 15 000 / ENC FR57835B

INT2881 (FR7587) remplacée par / *replaced by* INT2883 et INT2884



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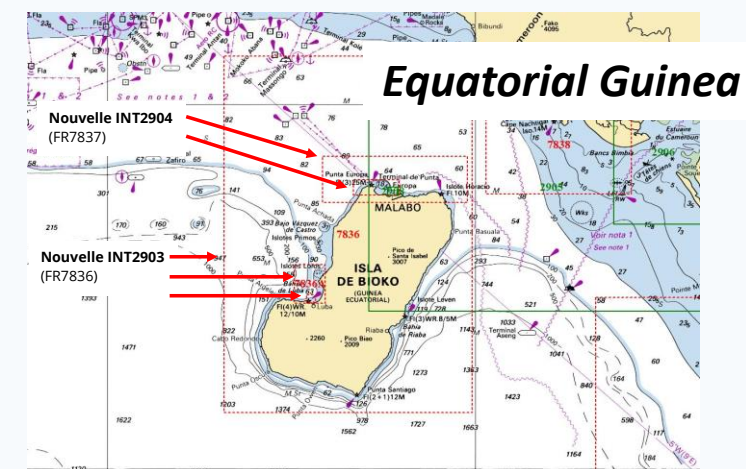
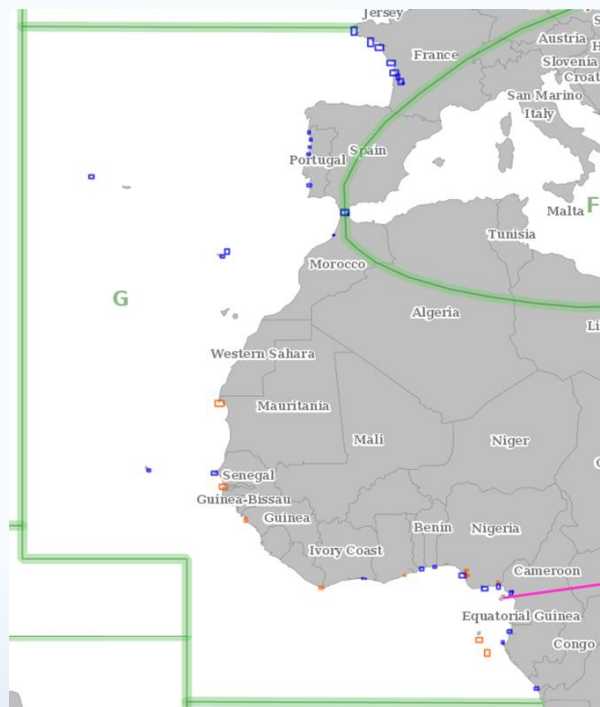
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

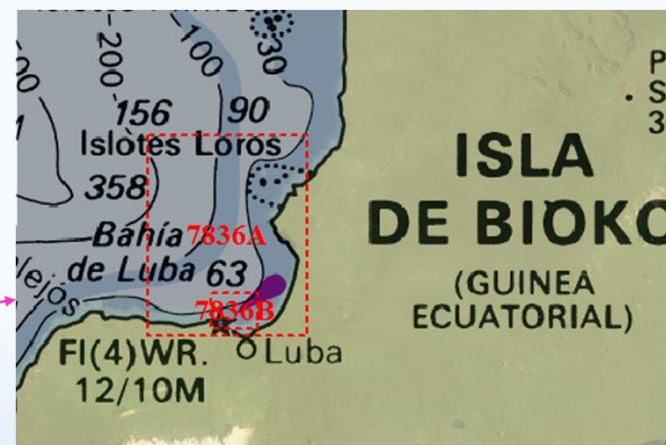
See Region G ICC-WG CL 01/2018 & 01/2020

New INT charts added to the Region G INT scheme

✓ **INT2903 (FR7836)**



- Partie Nord de l'Ile de Bioko / 1 : 100 000
- Plan A : Mouillage de la Baie de Luba / 1 : 40 000
- Plan B : Port de Luba / 1 : 10 000



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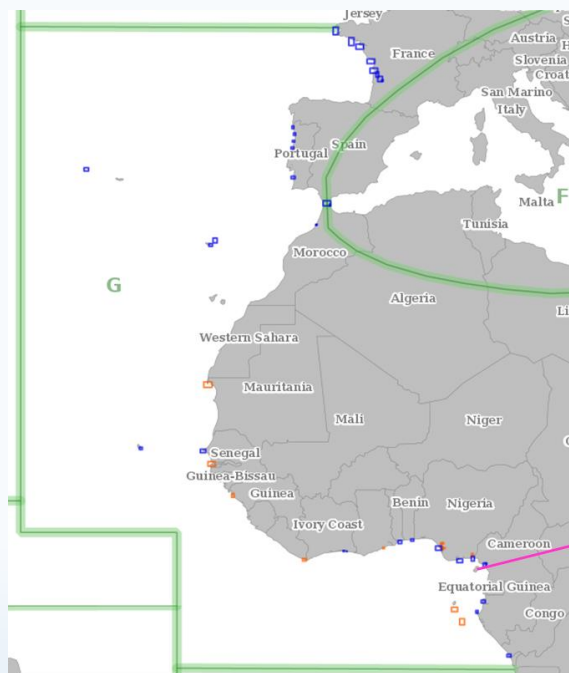
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

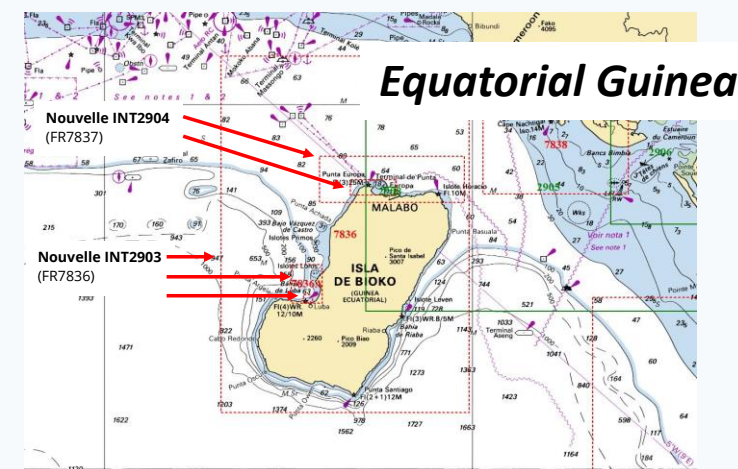
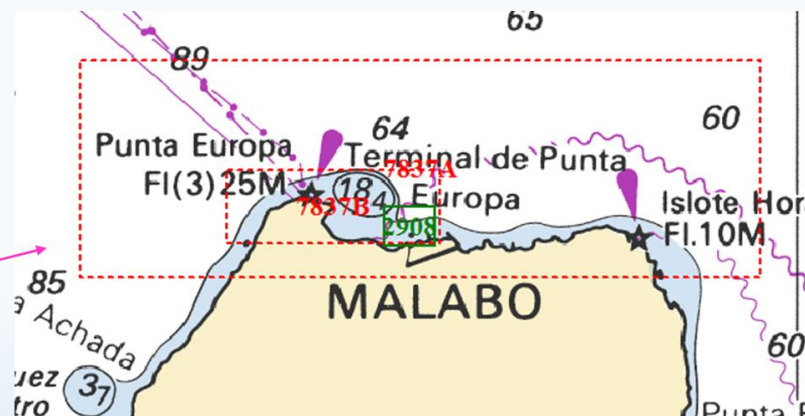
See Region G ICC-WG CL 01/2018 & 01/2020

New INT charts added to the Region G INT scheme

✓ **INT2904 (FR7837)**



- Plan A : Abords de Malabo / 1 : 40 000
- Plan B : Terminaux de Punta Europa et port de Malabo / 1 : 12 500



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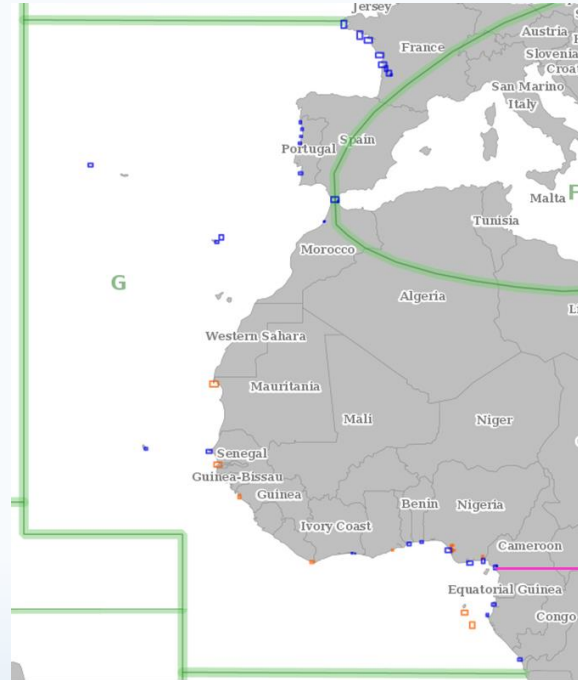
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

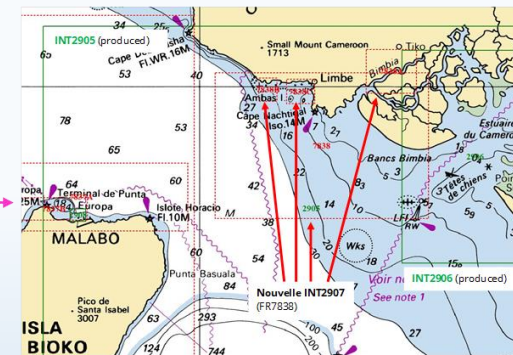
See Region G ICC-WG CL 01/2018 & 01/2020

New INT charts added to the Region G INT scheme

✓ INT2907 (FR7838)



- Abords de Limbé-Limboh et de la Rivière Bimbia / 1 : 40 000
- Plan A : Cours de la rivière Bimbia / 1 : 40 000
- Plan B : Limboh / 1 : 15 000
- Plan C : Limbé / 1 : 15 000



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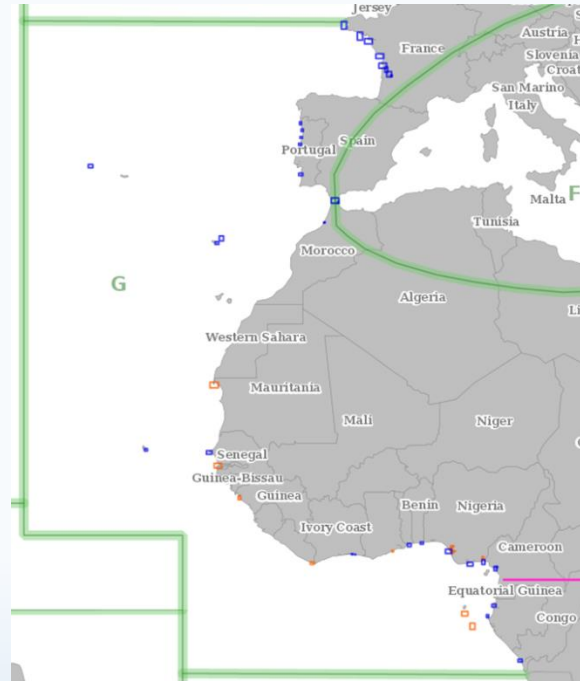
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

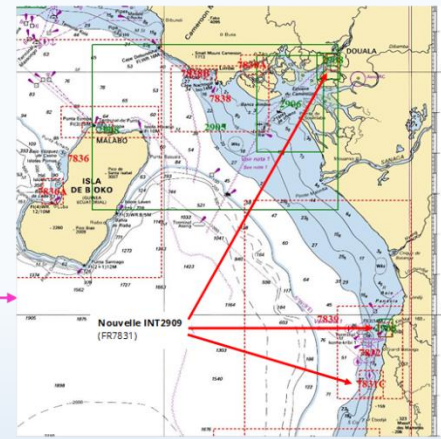
New INT charts added to the Region G INT scheme

✓ INT2909 (FR7831)



Port de Douala et de Kribi

- Plan A : Port de Douala / 1 : 10 000
- Plan B : Port de Kribi / 1 : 25 000
- Plan C : Port en eau profonde de Kribi / 1 : 20 000



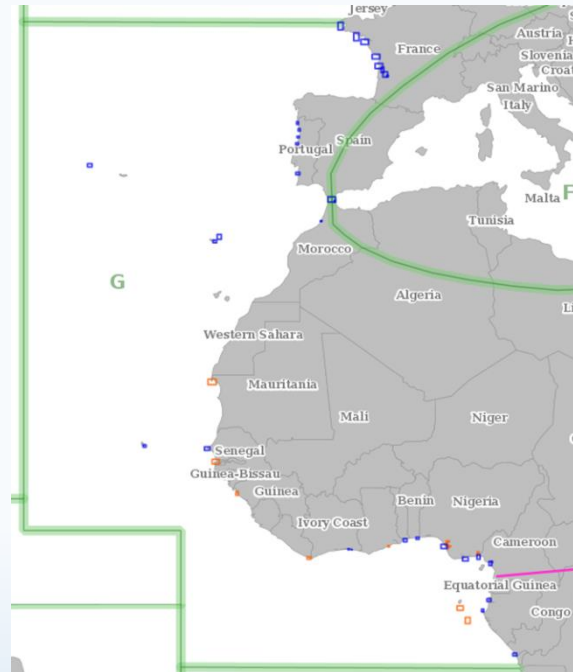
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

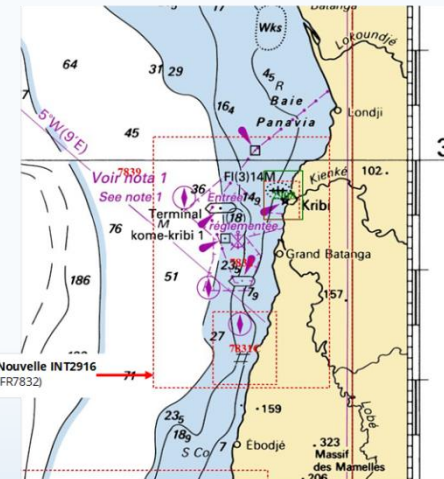
See Region G ICC-WG CL 01/2018 & 01/2020

New INT charts added to the Region G INT scheme

✓ INT2916 (FR7832)



- Approches de Kribi / 1 : 40 000

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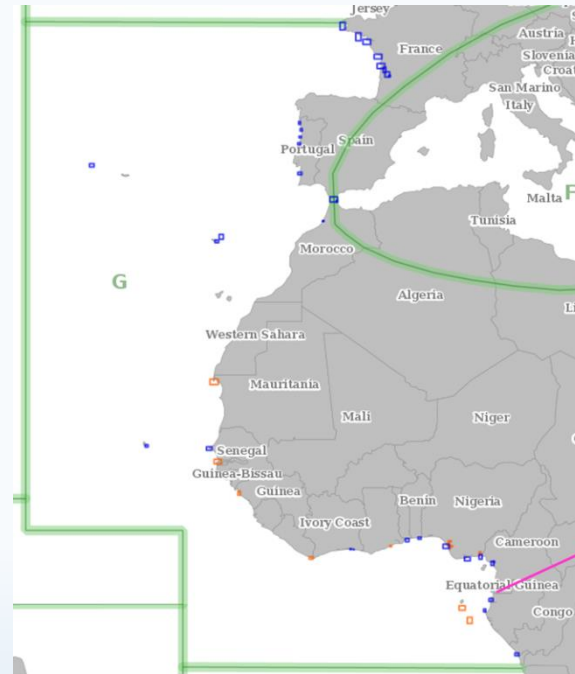
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

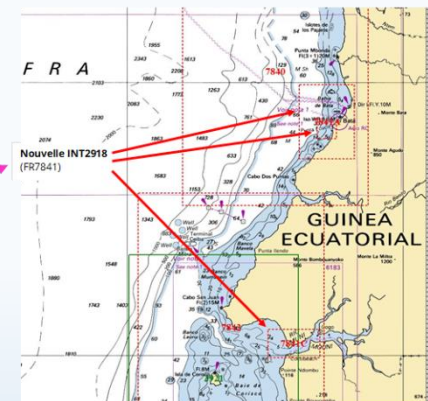
New INT charts added to the Region G INT scheme

✓ **INT2918 (FR7841)**



Ports de Bata et de Kogo

- Plan A : Abords de Bata / 1 : 40 000
- Plan B : Port en eau profonde de Bata / 1 : 15 000
- Plan C : Accès au port de Kogo / 1 : 40 000



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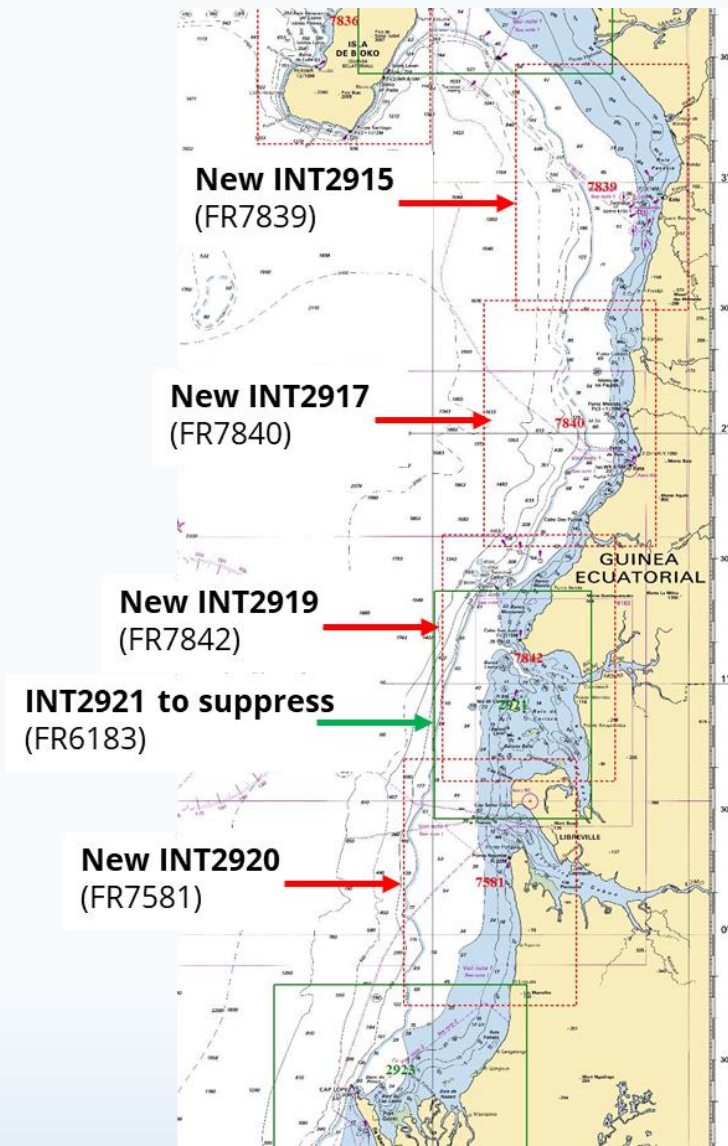
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

New INT charts added to the Region G INT scheme

- ✓ **INT2915 (FR7839)** - De la rivière Nyong à la pointe Gertrude – Approches de Kribi
 - Echelle : 1 / 100 000
- ✓ **INT2917 (FR7840)** - De la pointe Gertrude au Rio Benito – Approches de Bata
 - Echelle : 1 / 100 000
- ✓ **INT2919 (FR7842)** - Du Rio Benito au Cap Esterias – Baie de Corisco
 - Echelle : 1 / 100 000
- ✓ **INT2920 (FR7581)** - Du Cap Esterias à la pointe Ekouata – Approches de l'estuaire du Gabon
 - Echelle : 1 / 100 000



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4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

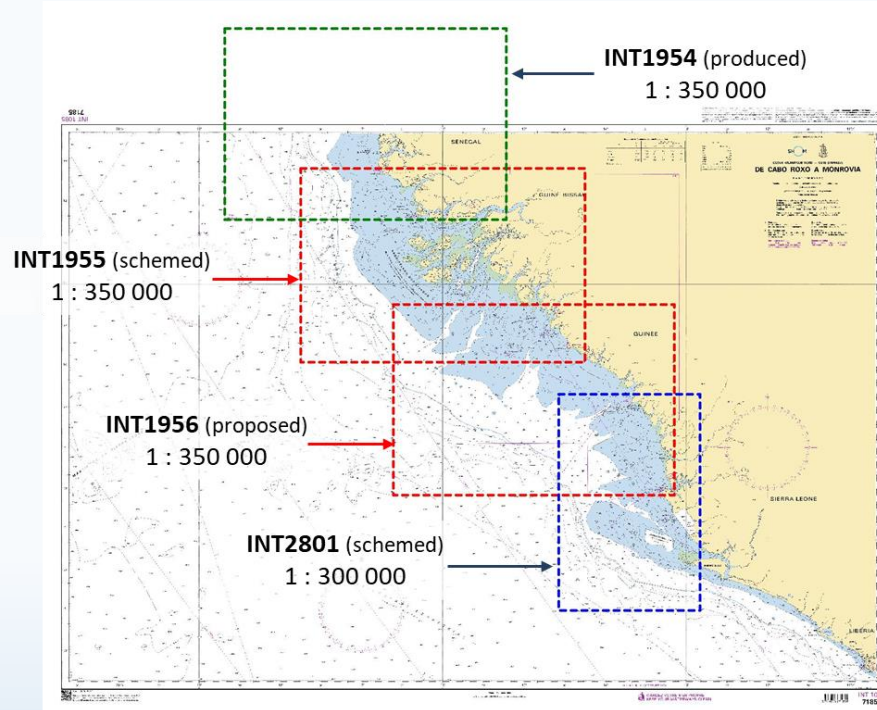
Proposals requiring further consideration by producers and the ICC-WG
Updated INT2800 (PT212) > INT1955 (PTXXXX) & New INT1956 (FR7891)

INT1955 (previously INT2800) – PT212

- Already schemed but updated
- Cabo Roxo ao Cabo Verga
- Echelle : 1 / 350 000 (previously 1 / 400 000)

INT1956 – FR7891

- Côte de Guinée - De Cap Verga à Freetown
- Echelle : 1 / 350 000



Rescheme of INT2801 (GB601)
necessary



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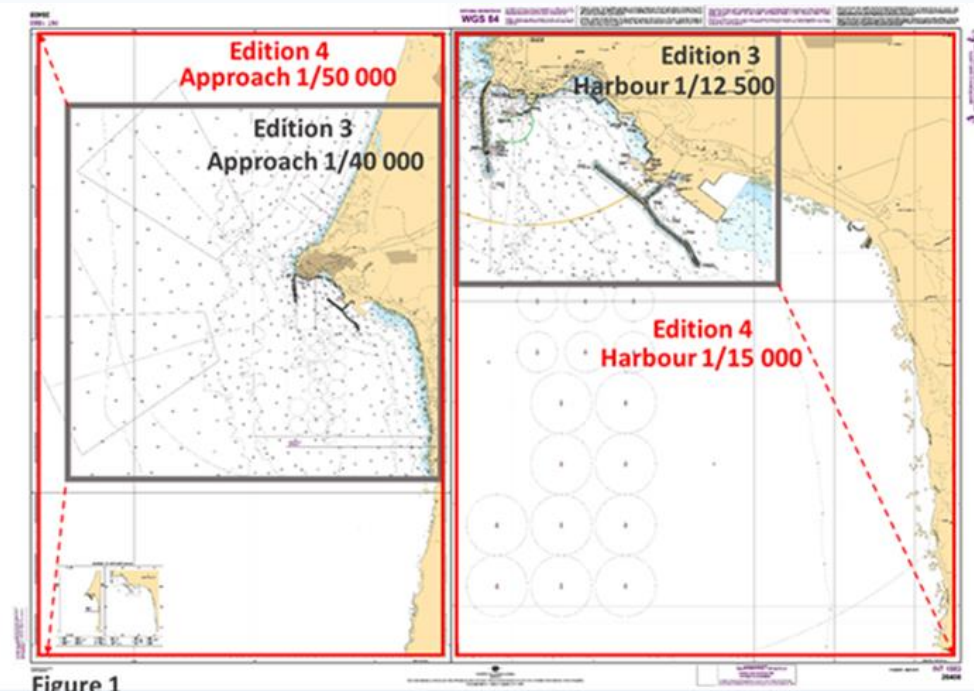
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4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

Proposals requiring further consideration by producers and the ICC-WG INT1883 (PT26048)



Numéro INT	Numéro National	Titre	Sud	Nord	Ouest	Est	Echelle
Limites et échelles actuelles (Edition 3) / Actual limits and scales							
INT1883	PT26408	Aproximações a Sines	37° 50.43' N	38° 02.72' N	009° 02.76' W	008° 40.08' W	30 000
INT1883 - Plan A	PT26408	Plan A - Porto do Sines	37° 55.19' N	37° 57.61' N	008° 53.67' W	008° 49.78' W	12 500
Nouvelles limites et échelles proposées (Edition 4) / New limits and scales proposed							
INT1883	PT26408	Aproximações a Sines	37° 44.60' N	38° 05.00' N	009° 04.05' W	008° 47.10' W	50 000
INT1883 - Plan A	PT26408	Plan A - Porto do Sines	37° 51.10' N	37° 57.62' N	008° 53.70' W	008° 47.30' W	15 000

Significant change in chart boundaries and scales > in accordance with S-4, it is proposed to assign a new INT number to this chart: **INT1882** (no longer INT1883)



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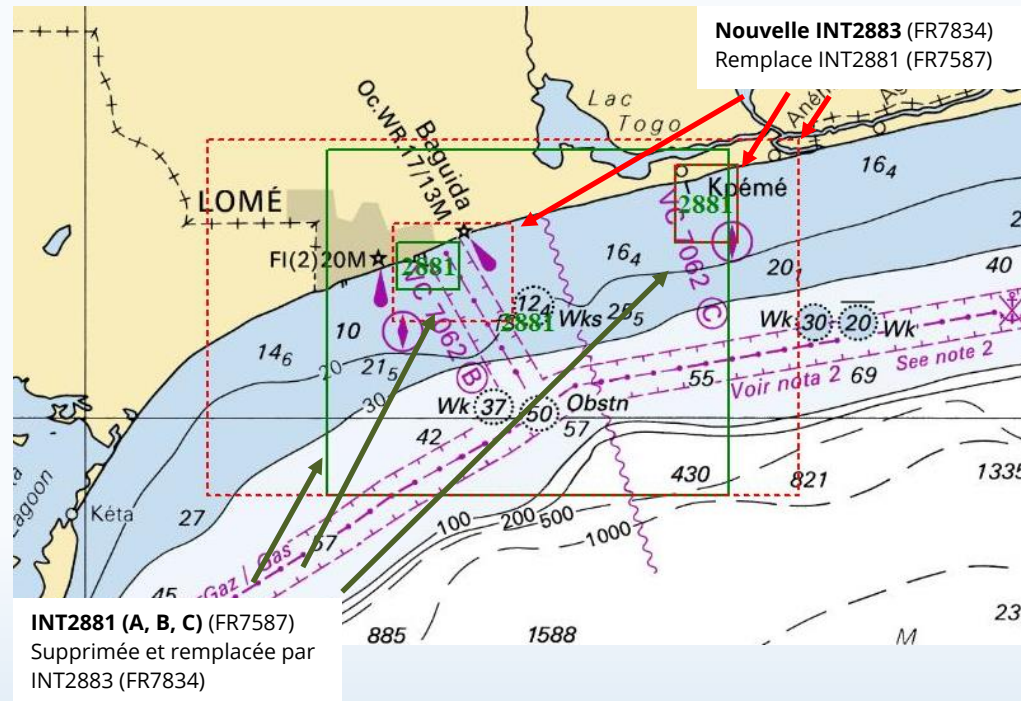
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4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2018 & 01/2020

Proposals requiring further consideration by producers and the ICC-WG INT2883 (FR7834)



Côte du Togo / Ports de Lomé et de Kpémé

- Plan A : De Lomé à Kpémé / 1 : 75 000
- Plan B : Port de Lomé / 1 : 15 000
- Plan C : Rade de Kpémé / 1 : 25 000

INT2881 (FR7587) remplacée par / *replaced by* INT2883 et INT2884

Extension of Plan A in Ghanaian waters covered by UKHO

> FR-UK coordination required



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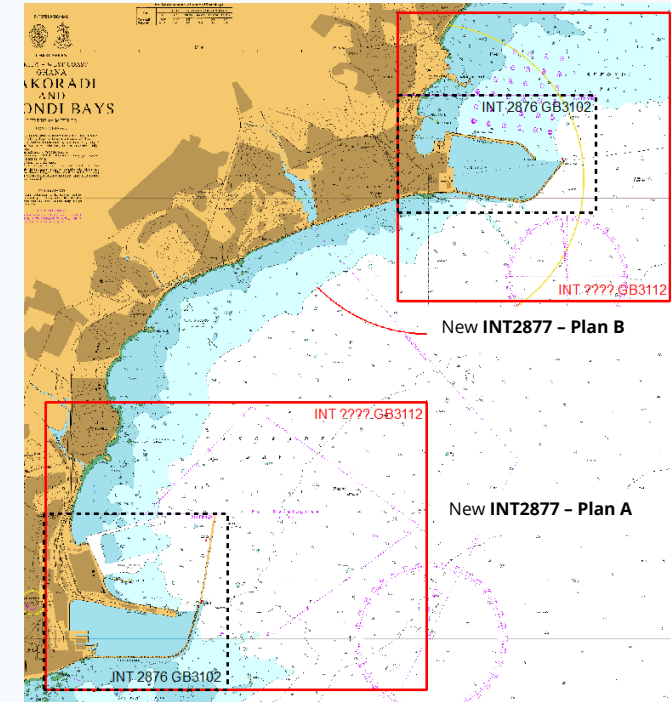
4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2020

Proposals to update the INT Scheme INT2877 (GB3112)

N°	Proposals
1	Removal of plans A and B from the INT2876 (GB3102) chart. Note: The INT2876 (GB3102) chart "Takoradi and Sekondi Bays" is kept, only the plans A and B are deleted.
2	Introduction in the INT scheme of a new INT2877 chart, based on the GB3112 chart, including two plans extended over the Sekondi and Takoradi ports: - INT2877 / GB3112 – Plan A : « Takoradi Harbour » - INT2877 / GB3112 – Plan B : « Sekondi Naval Harbour »



Numéro INT	Numéro National	Titre	Sud	Nord	Ouest	Est	Echelle
Schéma INT approuvé / Approved INT Scheme							
INT2876	GB3102	Takoradi and Sekondi Bays	04°52.00'N	05°00.14'N	01°45.80'W	001°40.36'W	15 000
INT2876 Plan A	GB3102 Plan A	Sekondi Naval Harbour	04°55.90'N	04°56.70'N	01°42.65'W	01°41.30'W	7 500
INT2876 Plan B	GB3102 Plan B	Takoradi Harbour	04°52.65'N	04°53.85'N	01°45.05'W	01°43.80'W	7 500

Proposition nouveau schéma INT / Proposed updated INT Scheme							
INT2876	GB3102	Takoradi and Sekondi Bays	04°52.00'N	05°00.14'N	01°45.80'W	001°40.36'W	15 000
INT2877 Plan A	GB3112 Plan A	Takoradi Harbour	04°52.65'N	04°54,62'N	01°45.05'W	01°42,45'W	7 500
INT2877 Plan B	GB3112 Plan B	Sekondi Naval Harbour	04°55.30'N	04°57,27'N	01°42.65'W	01°40,80'W	7 500



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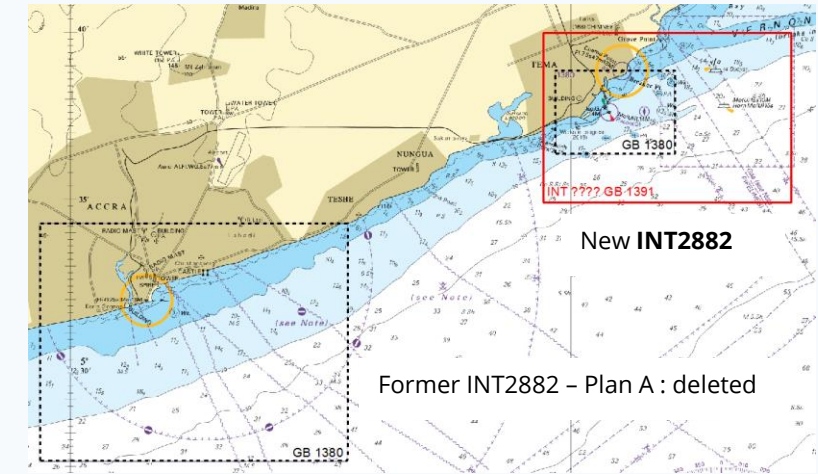
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4. Region G INT Chart Scheme

4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2020

Proposals to update the INT Scheme INT2882 (GB1391)



N°	Proposals
3	Removal of the inset plans A and B of the INT2882 chart (GB1380) from the INT scheme.
4	Introduction in the INT scheme of the GB1391 chart, covering the "Port of Tema", under the same number INT2882 (replaces the former GB1380 chart - Plan B, never produced under number INT2882).

Numéro INT	Numéro National	Titre	Sud	Nord	Ouest	Est	Echelle
Schéma INT approuvé / Approved INT Scheme							
INT2882 Plan A	GB1380 Plan A	Accra Roads	05°27.16'N	05°34.28'N	00°15.94'W	00°06.71'W	30 000
INT2882 Plan B	GB1380 Plan B	Port of Tema	05°36.35'N	05°38.87'N	00°00.49'W	00°03.12'E	Various
Proposition nouveau schéma INT / Proposed updated INT Scheme							
INT2882	GB1391	Port of Tema	05°40.00'N	05°34.91'N	00°01.80'W	00°05.65'E	12 500



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4. Region G INT Chart Scheme

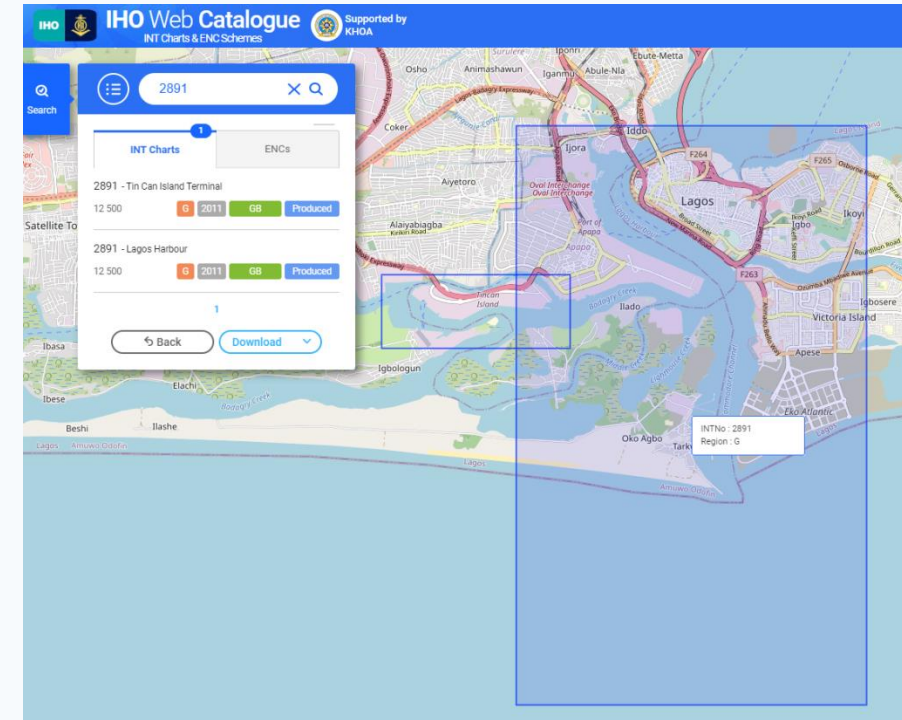
4.2 Proposals to update the scheme

See Region G ICC-WG CL 01/2020

Proposals to update the INT Scheme

INT2891 – Lagos Harbour & Tin Can Island Terminal

- Currently assigned to GB : GB2812
- Transfer of the responsibility for the production of this chart from GB to Nigeria : NG2501 (in accordance with S-11 3.11.1)
- Nigeria being a new INT chart producer, it will be necessary to submit this new version of the INT2891 chart for consideration by the Region G ICCWG (in conformity with S-11 article 3.14.1 a.).
- Printing nations for this INT2891 chart ? They should be informed of this switchover and ensure that arrangements are in place with Nigeria to allow the continuation of such printing.



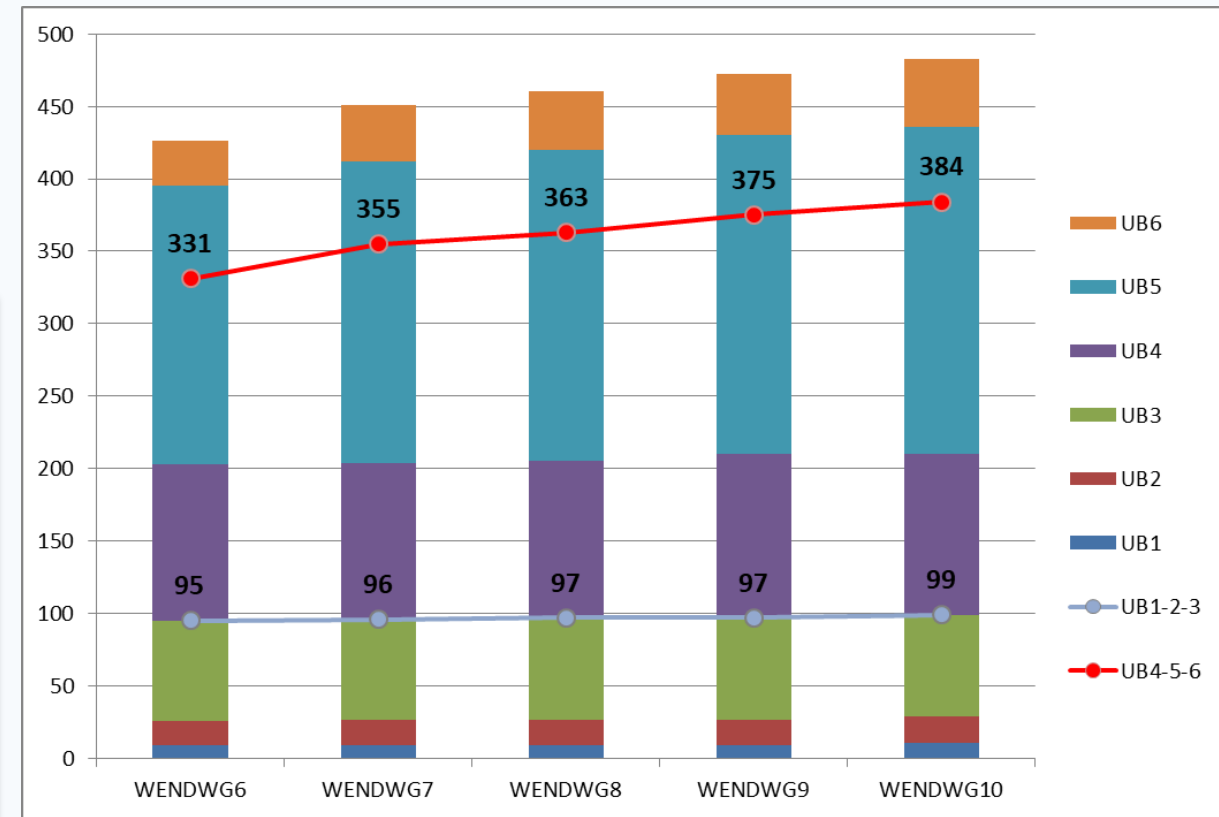
5. Region G ENC Chart Scheme

5.1 Status of the ENCs

Region G	WEND-6	WEND-7	WEND-8	WEND-9	WEND-10
UB1	9	9	9	9	11
UB2	17	18	18	18	18
UB3	69	69	70	70	70
UB4	108	108	108	113	111
UB5	192	208	215	220	226
UB6	31	39	40	42	47
Total	426	451	460	472	483

The number of ENCs available in the region continues to increase but the increase is slowing down:

- certain maturity of the scheme
- difficulty to produce the remaining ENCs



Number of UB1-2-3-4 ~ stable in the last 3 years

UB4 ↗ 3% in the last 3 years (previously 5%)

UB5 ↗ 9% in the last 3 years (previously 15%)

UB6 ↗ 21% in the last 3 years (previously 35%)



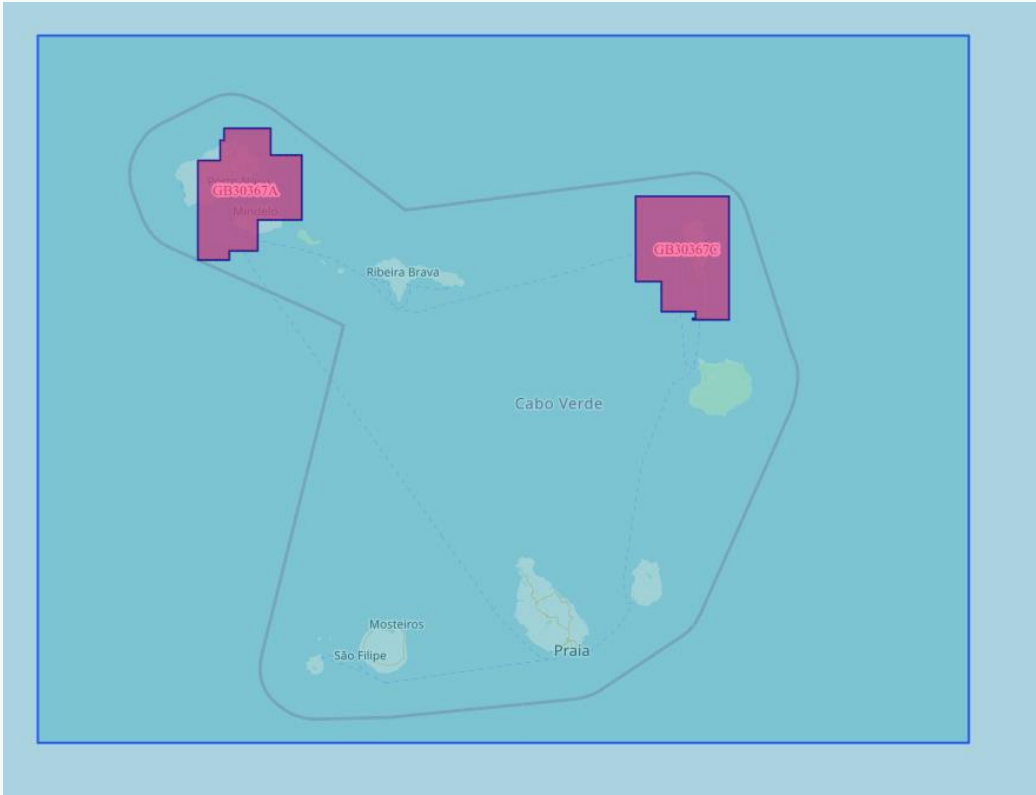
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5. Region G ENC Chart Scheme

5.2 ENC overlaps

- PT363201 & GB30367A
- PT363201 & GB30367C



IC-ENC REGIONAL HYDROGRAPHIC COMMISSION OVERLAP REPORT - EAST ATLANTIC RHC - SEPTEMBER 2020

ID	STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	ENC 1 Scale	ENC 2 Scale	ENC 1 EN (ER)	ENC 2 EN (ER)	Overlap extent (Kmxkm) (m/square NM)	Content difference	Geog. Location	Shipping density	Size	Scale	Route patterns	ECDIS	Overall Severity of Risk	Justification
558	LIVE	IC-ENC - NON RENC	EAtHC	PT363201	GB30367A	3	349999	90000	1 (1)	4 (0)	52Km x 65Km	UNABLE	HIGH	LOW	LOW	MEDIUM	HIGH	UNABLE	LOW (U)	Overlap covers island and surrounding coastal waters. Compilation scales are very different (intermediate usage band). Lots of inter-island traffic. Unable to determine content difference.
559	LIVE	IC-ENC - NON RENC	EAtHC	PT363201	GB30367C	3	349999	180000	1 (1)	4 (0)	47Km x 61Km	UNABLE	HIGH	LOW	LOW	MEDIUM	HIGH	UNABLE	LOW (U)	Overlap covers island and surrounding coastal waters. Compilation scales are very different (intermediate usage band). Lots of inter-island traffic. Unable to determine content difference.



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5. Region G ENC Chart Scheme

5.3 Implementation of an ENC Scheme for the region – Way forward ?

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.

How do we want to effectively implement the management of an ENC scheme at the EAtHC level ?

The screenshot displays a web-based interface for managing ENC (Electronic Navigational Chart) schemes. At the top, there are two tabs: 'INT Charts' (with a count of 0) and 'ENCs' (with a count of 0). Below the tabs, there are two main sections: 'Scheme' and 'Catalogue'. The 'Scheme' section is currently active. It includes a 'Chart Scale' filter with an 'All' button and a 'Coordinate' button. Below this are buttons for 'Overview' (highlighted), 'General', 'Coastal', 'Approach', 'Harbour', and 'Berthing'. The 'Region' filter shows a grid of buttons for regions A through 10M, with 'All' selected. The 'Status' filter has buttons for 'All' (selected), 'Sched', and 'Produced'. There is a 'Previous Scheme Edition' toggle switch. The 'Renc Member' filter has buttons for 'All' (selected), 'Renc', and 'Non-Renc'. The 'Producer' filter has buttons for 'All' (selected), 'Member States', 'Other States', and 'Others'. At the bottom, there are dropdown menus for 'Prod. Nation' and 'Pub. Year'. Finally, there are 'Search' and 'Reset' buttons at the very bottom.



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6. INTToGIS

ICCWG members feedback on the use of INTToGIS

- Introduces new functionalities for ENC schemes management
- New layers (Ports, AIS traffic density, CATZOC...)
- INT chart catalogue now only maintained through the IHO INTToGIS portal

Effectively used by chart producers !



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7. Consolidation of the EAtHC ICC-WG

7.1 ICC-WG membership

- Please confirm your participation in the group and POC

7.2 ICC-WG ToRs & RoPs

- Proposal of ToRs & RoPs (based on S-11 annex 1) for the EAtHC ICC-WG will be circulated by the Coordinator before October 1st
- Membership – “Standard rule”

Membership is open to all members and associate members of the Commission wishing to be represented. [...]

Noting the technical nature of the Group’s work, participation should be limited to representatives of Hydrographic Offices concerned with nautical charting.

Limits participation in the group to a few States in the region : ES, FR, MA, NG, PT, UK (Obs.)



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8. Any other matters arising from discussion during the meeting

9. Closure of the EAtHC ICC-WG meeting

9.1 Recommendations and decisions to be submitted to EAtHC members

9.2 Next IC-WWG meeting

- April 14 or 15th 2021 – 16th EAtHC - Lisbon

9.3 Closure



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Thank you

Any question ?



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