

WORLDWIDE ENC DATABASE WORKING GROUP (WENDWG)

Report of the representative of the MBSHC on the overlapping issues and the implementation of ENC Schemes

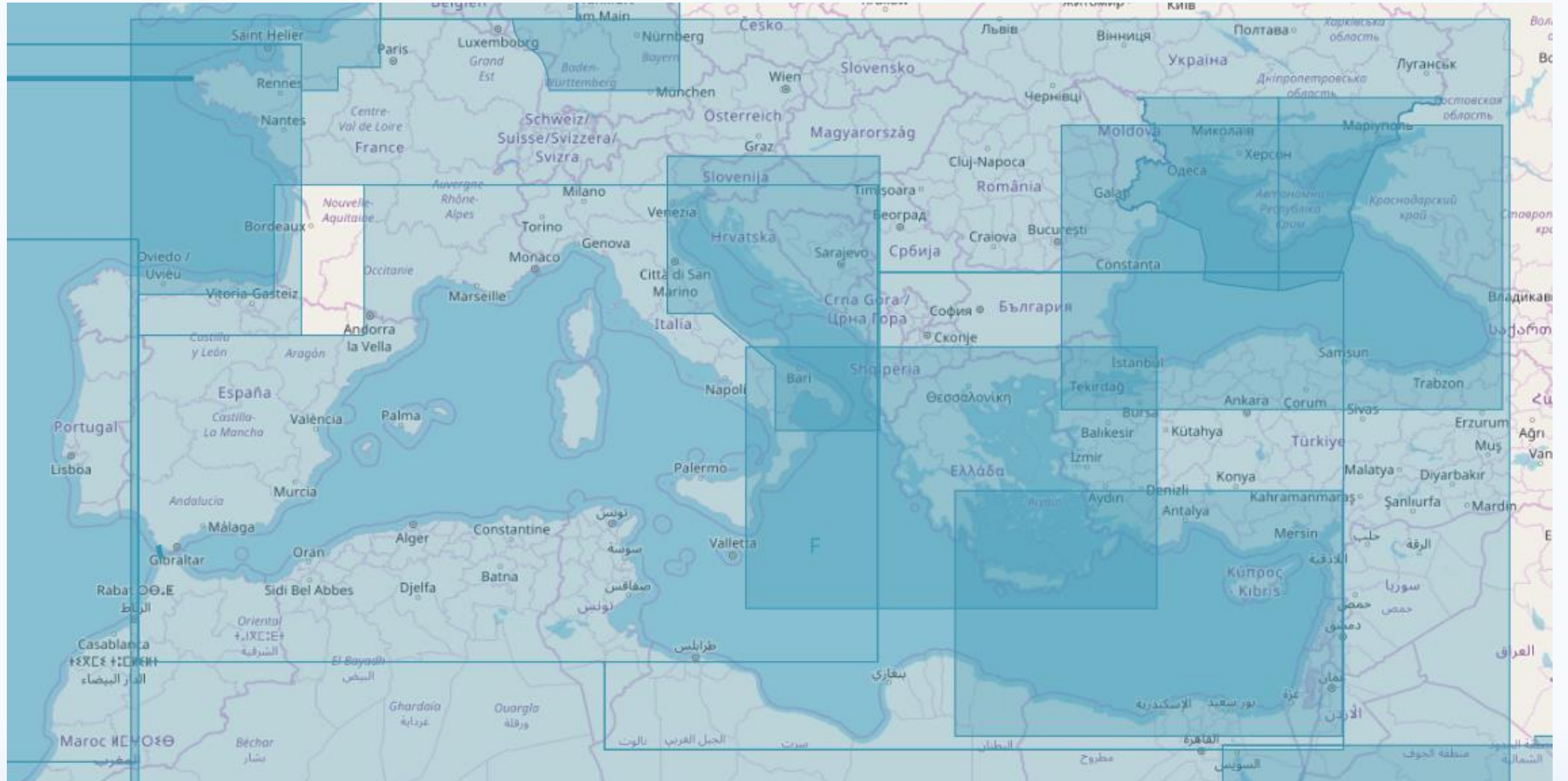
Laurent Kerléguer

FR



Status of the ENC Scheme UB1 in the Region

- 9 ENC

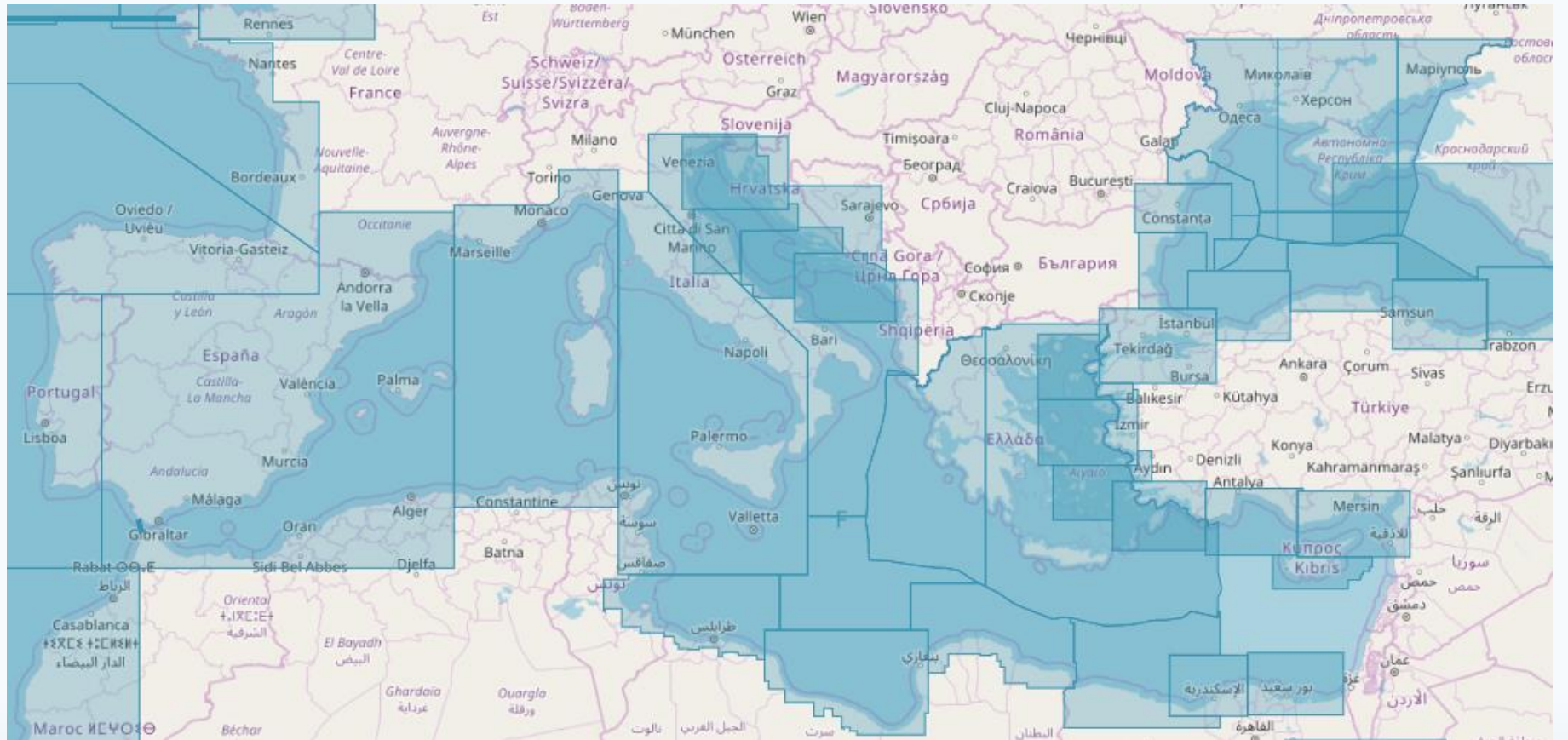


Source: IHO ENC Coverage catalogue Beta (2018)



Status of the ENC Scheme UB2 in the Region

- 42 ENCs

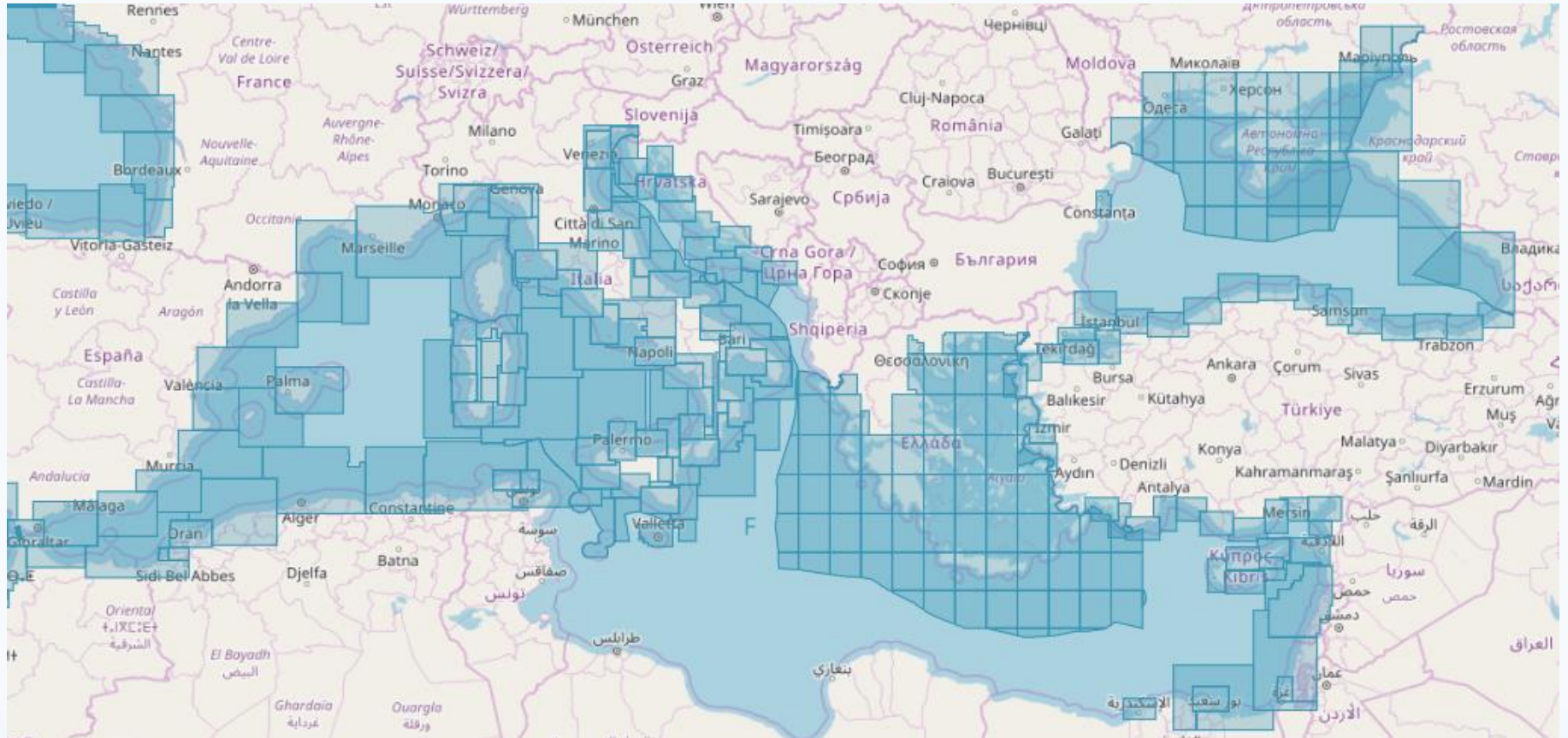


Source: IHO ENC Coverage catalogue Beta (2018)



Status of the ENC Scheme UB3 in the Region

- 279 ENCs



Source: IHO ENC Coverage catalogue Beta (2018)



Status of the ENC Scheme UB3 in the Region

- And 4 Exclusive cells (non-RENC)



Source: IHO ENC Coverage catalogue Beta (2018)



Status of the ENC Scheme UB4 in the Region

- 338 ENCs

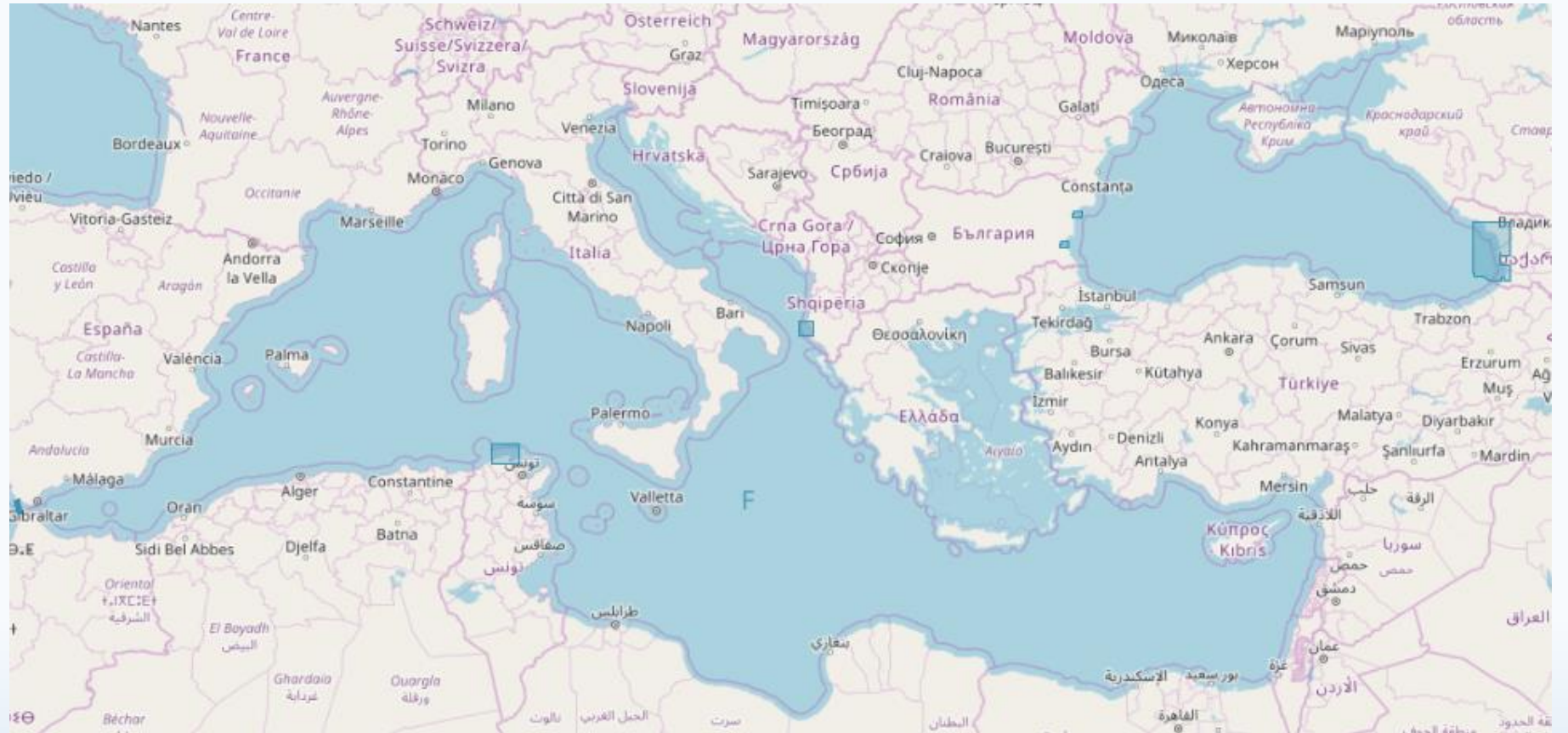


Source: IHO ENC Coverage catalogue Beta (2018)



Status of the ENC Scheme UB4 in the Region

- And 6 Exclusive cells (non-RENC)



Source: IHO ENC Coverage catalogue Beta (2018)



Status of the ENC Scheme UB5 & UB6 in the Region

- UB5
555 ENCs
- UB6
326 ENCs
- And few
exclusive cells



Source: IHO ENC Coverage catalogue Beta (2018)



Existence of overlapping ENCs that may have an impact on safe navigation

- Region F affected by persistent overlap
- Overlaps concern all usage bands
- Primar overlap checker 'Hits'

Remark : change in the method of counting the 'Hits'

For each entry cell, the total number of overlapped cells (other producers & own overlap) is counted

'OO' = Own Overlap, each instance is counted

Example

UA4T3434	Bezimenna Beak to Beglytska Beak	RU4MJLN0, RU4MKLP0, UA4CC766, UA4CC767, UA4CC796, UA4CC797	6 'Hits' & 4 'OO'
UA4T3436	Kerchenska Strait to Temriukskiyi	RU4MFLJ0, RU4MFLK0, UA4CC884, UA4T3417	4 'Hits' & 2 'OO'



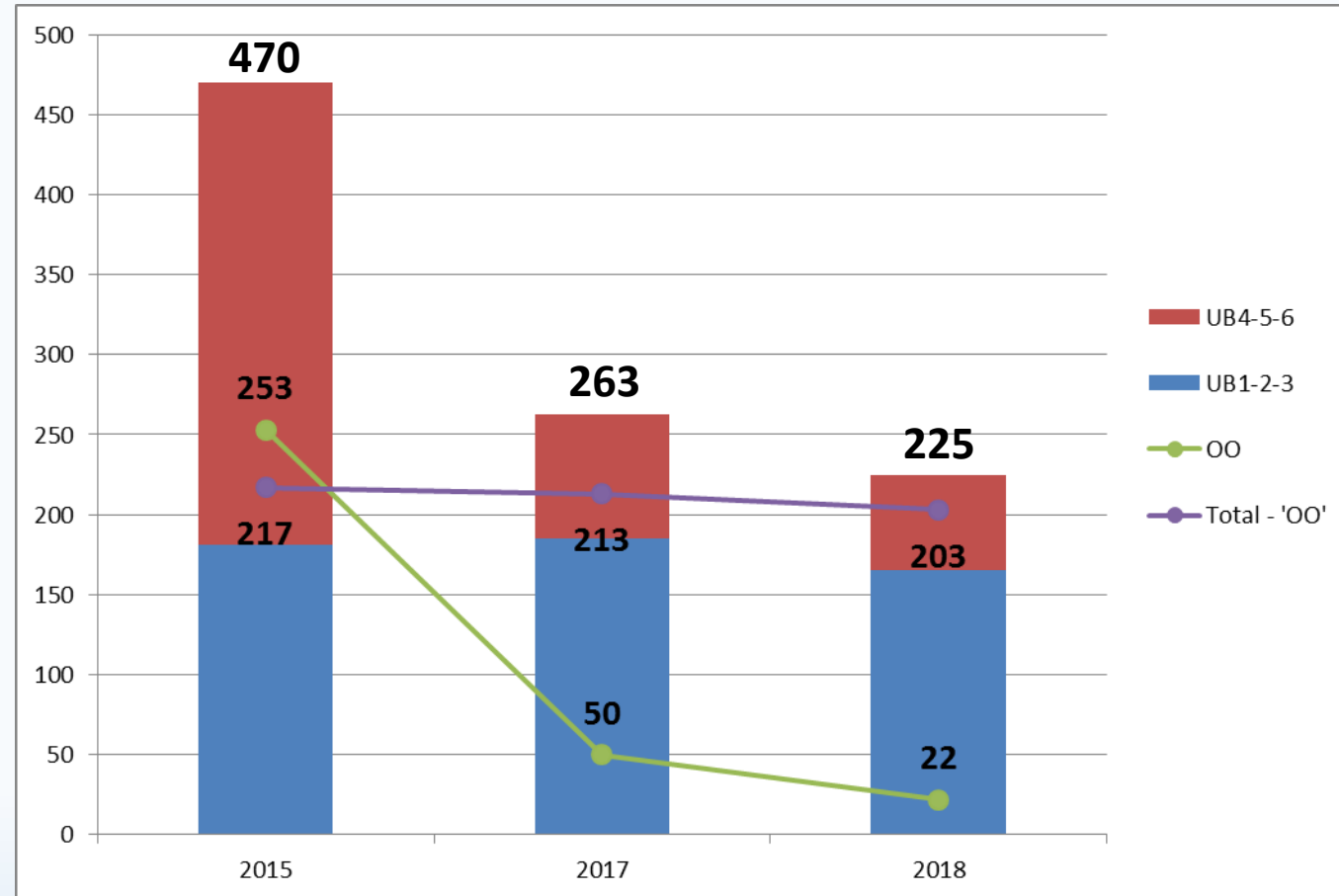
Existence of overlapping ENCs that may have an impact on safe navigation

- Primar overlap checker 'Hits'

Total number of 'Hits' dims (470 ↘ 225)

Mainly due to a massive reduction of the own overlaps (253 ↘ 22)

Number of "real" 'hits' slowly dims (217 ↘ 203 in 3 years)



Existence of overlapping ENC's that may have an impact on safe navigation

- IC-ENC Overlap report

Sept. 17 > March 18

+ 15 new overlaps (5 Resolved, 3 Potential, 5 LOW & 2 MEDIUM)

Region F	Sept. 2017	March 2018
Resolved	14	36
Accept	7	3
Potential	39	37
LOW	83	81
MEDIUM	23	24
HIGH	0	0
Total	166	181



Existence of overlapping ENCs that may have an impact on safe navigation

- 4th Region F ICCWG meeting during 20th MBSHC – 5th July 2017 (Montenegro)
- Several actions endorsed during MBSHC20 to reduce overlaps, in line with MBSHC19 actions :
 - ❑ **MBSHC19/29** : ICCWG Members to provide Region F ICC with their ENC production plan for UB4-5-6 – *On going*
Production plan from Greece and Italy received
 - ❑ **MBSHC20/19** : Concerned MSs to liaise bilaterally to resolve ENC overlaps, keeping the MBSHC Chair informed - *On going*
IT liaised with GR & HR to solve some overlaps



Existence of overlapping ENC's that may have an impact on safe navigation

- ❑ **MBSHC20/21** : RENCs to provide a template report in order to collect the evaluation of risk level on ENC overlaps from the MS in the frame of the WENDWG risk assessment experimentation – *Completed in Sept. 2017*

IC-ENC Overlap report provided : 2 additional columns (OH1 & OH2) to get feedback from MS.

Based on IC-ENC Policy D10 v2.0.0 [09/12/16]

IC-ENC REGIONAL HYDROGRAPHIC COMMISSION OVERLAP REPORT - MEDITERRANEAN BLACK SEA HC - SEP 2017

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 (Kmqm) (msquare NM)	Content difference	Geog. Location	Shipping density	Size	Scale	Route patterns	ECDIS	Overall Severity of Risk	Justification	Action requested	Report response HO 1	Report response HO 2
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Existence of overlapping ENC's that may have an impact on safe navigation

- ❑ **MBSHC20/22** : MS to use the RENCs' template report to provide the RCC with:
 - evaluation of risk level on the most critical ENC overlaps based on the IC-ENC risk assessment regional database (level: MEDIUM);
 - their views and comments on the IC-ENC risk assessment methodology.

On going

Feedback received from GR, IT and TR.

GR : ability of the producer nation to access to relevant in situ data and to update this knowledge should be also evaluated (in accordance with WEND principles)

TR : risk assessment for ECDIS can be reduced to “LOW” as no incident is reported

IT: bilateral (with TR, GR, HR, UA) productive work to resolve issues



Existence of overlapping ENC's that may have an impact on safe navigation

❑ **MBSHC20/22** : RCC feedback

Comments on **discrepancies of contents** of overlapping ENC's, most of them lowering the risk

Comments on **who is entitled to produce** the ENC on the overlap area: either to keep the situation as it is or to urge the other producer to clip its ENC

- Possible side effect of IHO 1/2018 resolution's focus on medium/high overlaps: *resolution 1/2018 should not be an alibi for not to try to resolve all overlaps... especially since ECDIS behaviors are not mastered.* Region F RCC proposes to **remove the criteria "Display within ECDIS"** because unpredictable behavior of the ECDIS is impossible to test for all ECDIS
- *RCC cannot arbitrate or substitute to a direct bilateral discussion between producers.* Dialogue between parties involved must be strengthened. RCC urges producers to discuss. (MBSHC CL4 encourages to liaise bilaterally)



ENC Schemes

- Updated S-11 – Part A : Section 200 (Edition 3.1.0) / Preparation and Maintenance of ENC Schemes
- Updated ToR and RoP for the Region F ICCWG (MBSHC20 July 2017) take into account these ENC Schemes

The framework exists !

But how to handle these ENC Schemes ?

In accordance to MBSHC19/29 some production plans for UB4-5-6 received (GR & IT so far) but :

- No agreed format (1 word file, 1 excel file for example)
- No tool to manage the workflow (proposal, consultation and comments, agreement)



IHO Online Port Database

- ❑ **MBSHC20/17** : MS to use the IHO online port database to update their port priority list and report to the Regional Charting Coordinator (RCC) - *On going*
Update received from IT

« Limited » contribution of MBSHC membres on this topic



Actions requested of WENDWG/IRCC

- WENDWG is invited to note the report from MBSHC
- Develop practical tools (common exchange format, template) to exchange ENC production plan and a workflow to manage the ENC Scheme (similar to Into-GIS for Int charts)
- “Start the clock” to deal with persistent overlapping issues in Region F in accordance with the new IHO resolution 1/2018 (CL19/2018)

