



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



## SAIHC REGION H Report to WENDWG -12

WENDWG12, IHO Secretariat, Monaco - Hybrid Event, 22 – 24 February 2022



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# REGION H: STATUS OF ENC COVERAGE

**SAIHC Region H – Total 263 ENCs**

## Number of ENCs per Usage Band

Berthing UB6 = **21**

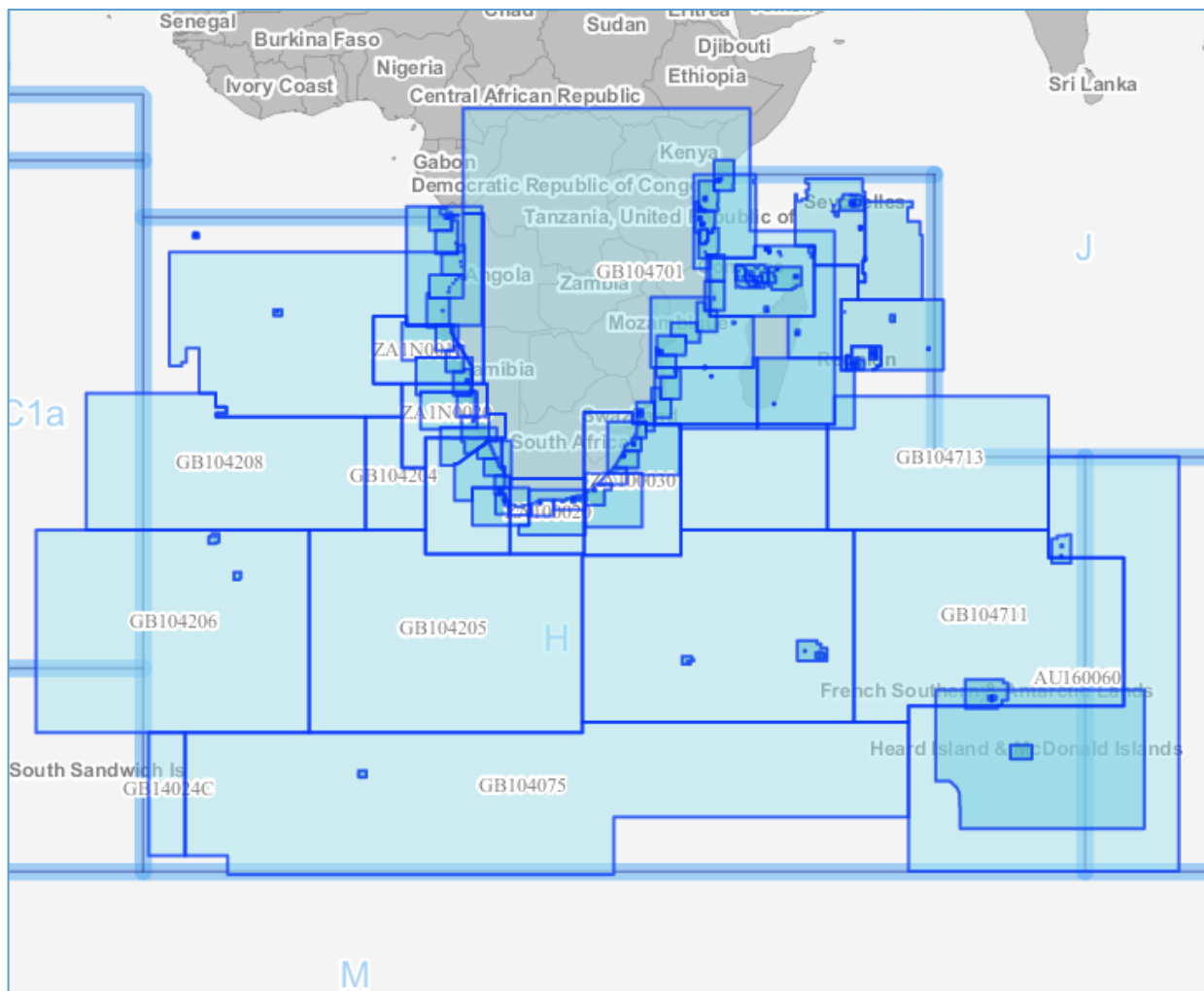
Harbour UB5 = **69**

Approach UB4 = **77**

Coastal UB3 = **57**

General UB2 = **21**

Overview UB1 = **18**





# ANALYSIS OF REGION H: ENC OVERLAPS

## Status of Live ENC overlaps in Region H.

STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
RESOLVED	IC-ENC	SAIHC	GB40718C	IN52555I	4/5	MEDIUM
RESOLVED	IC-ENC	SAIHC	GB50663A	IN62693T	5/6	MEDIUM
RESOLVED	IC-ENC	SAIHC	GB54231A	IN62524P	5/6	MEDIUM
LIVE	IC-ENC	SAIHC/HCA	RU1A2K00	AU160060	1	LOW
LIVE	IC-ENC - PRIMAR	SAIHC	GB54232A	IN52520A	5	LOW
LIVE	IC-ENC - PRIMAR	SAIHC	GB500722	IN52551A	5	MEDIUM
				IN52552W		MEDIUM
LIVE	IC-ENC - PRIMAR	SAIHC	GB502758	IN52510B	5	MEDIUM
				IN52511A		MEDIUM
LIVE	IC-ENC-PRIMAR	SAIHC	GB54232A	IN62516D	5/6	MEDIUM
LIVE	IC-ENC	SAIHC	GB54232A	IN62517N	5/6	MEDIUM
LIVE	IC-ENC-PRIMAR	SAIHC	GB104701	ZA100030	1	MEDIUM
LIVE	PRIMAR	SAIHC	ZA2N0010	ZA2N0020	2	-

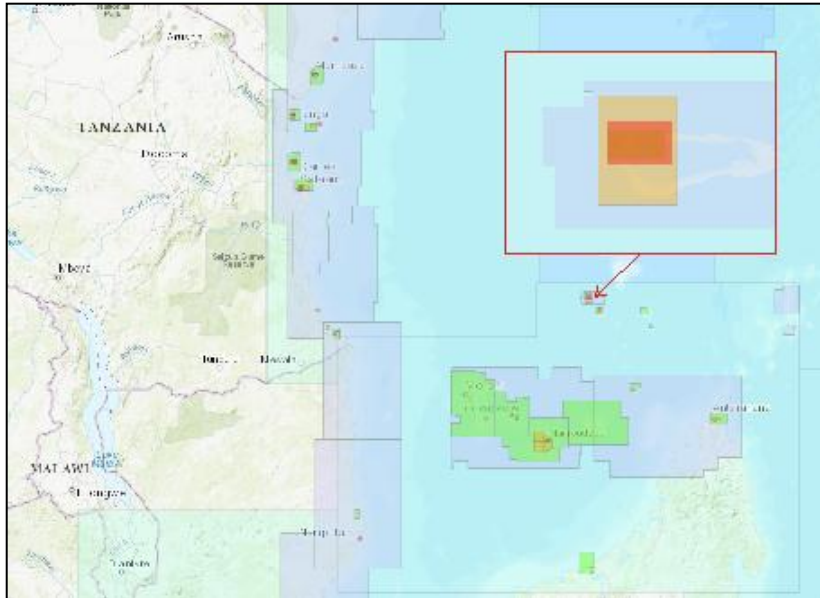


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# REGION H: ENC OVERLAPS

International  
Hydrographic  
Organization

STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC - PRIMAR	SAIHC	GB40718C	IN52555I	4/5	MEDIUM



Overlap resolved - Aldabra Island and surrounding coastal waters.

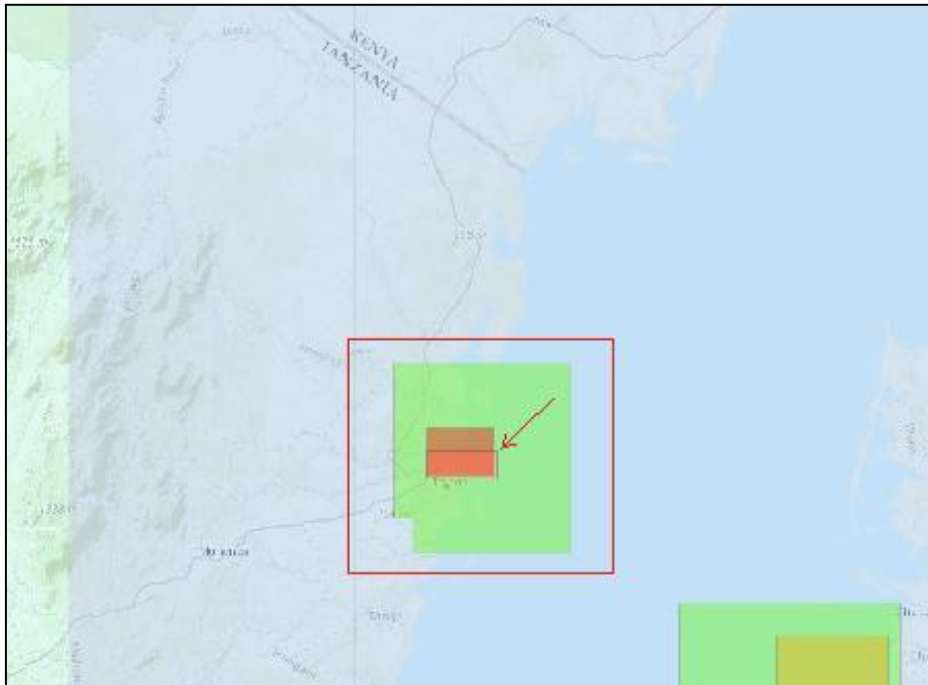


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## REGION H: ENC OVERLAPS

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STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC - PRIMAR	SAIHC	GB50663A	IN62693T	5/6	MEDIUM



Overlap resolved - vicinity of Tanga harbour. High level of traffic.

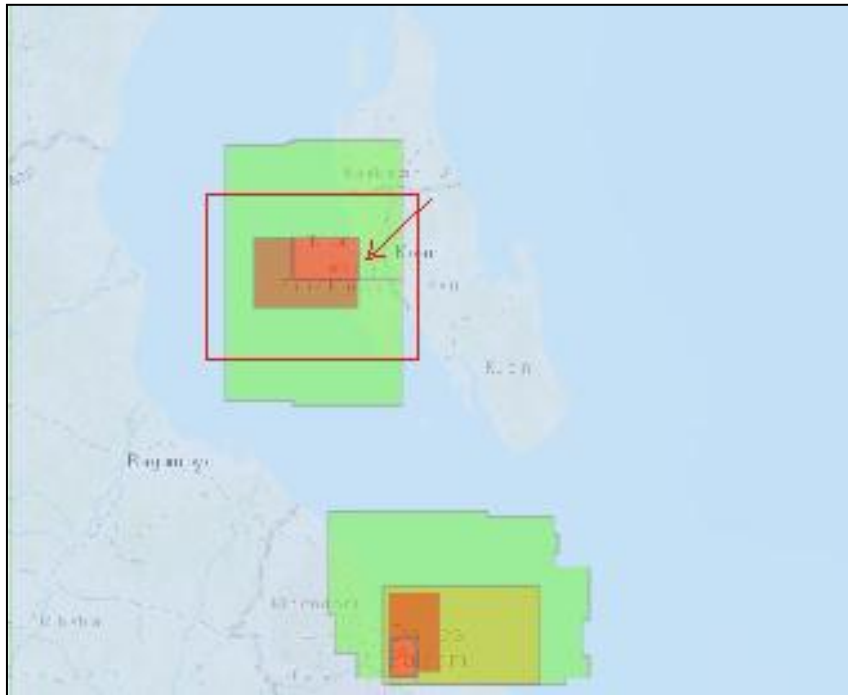


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## REGION H: ENC OVERLAPS

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STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC - PRIMAR	SAIHC	GB54231A	IN62524P	5/6	MEDIUM



Overlap resolved - vicinity of Zanzibar City harbour. High level of traffic.

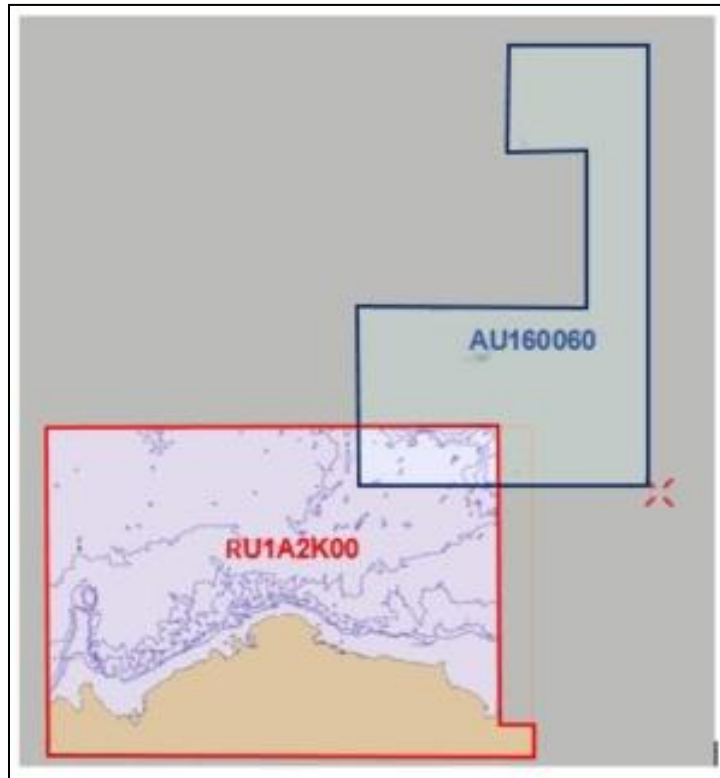


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## REGION H: ENC OVERLAPS

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STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC	SAIHC/HCA	RU1A2K00	AU160060	1	LOW



**Unresolved overlap -  
Responsible HOs have failed to respond to  
Coordinator**



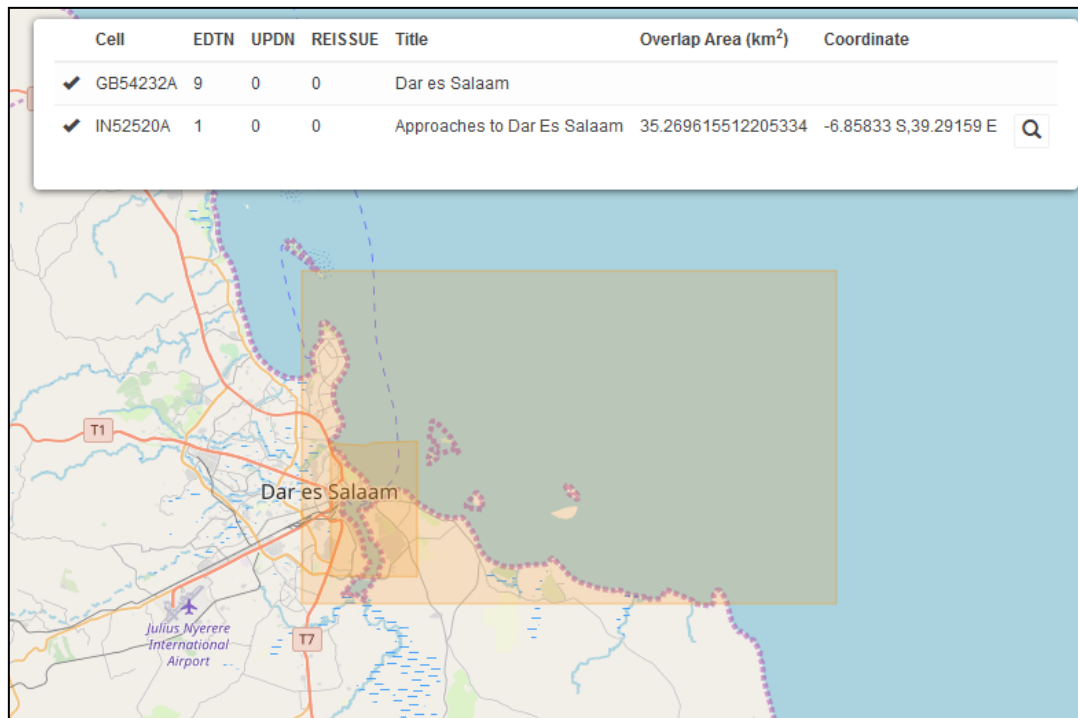


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## REGION H: ENC OVERLAPS

STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC - PRIMAR	SAIHC	GB54232A	IN52520A	5	LOW



**Unresolved overlap -  
Tanzania (Dar es Salaam)**



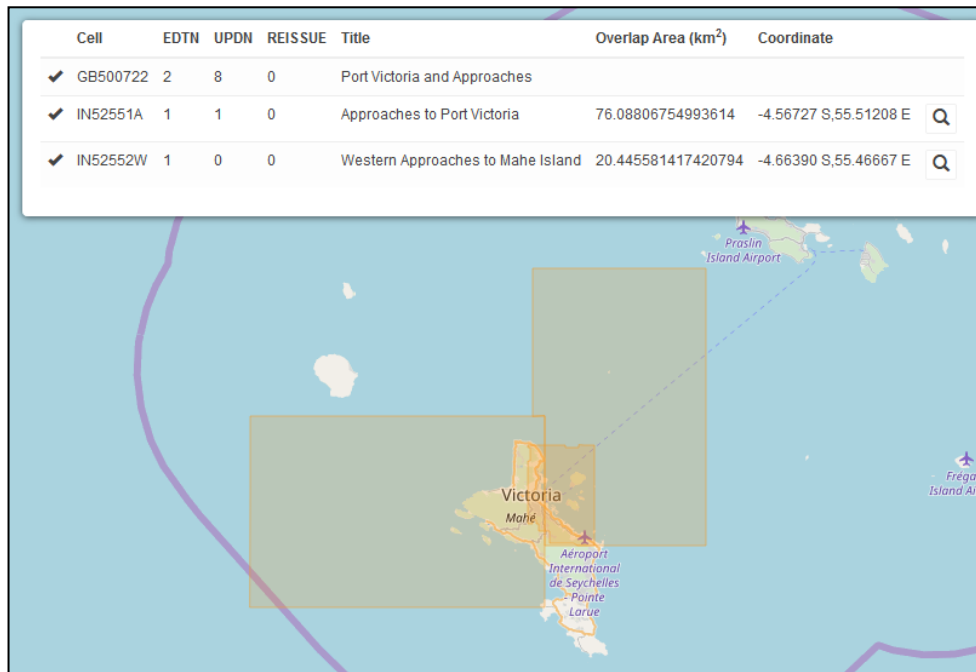


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# REGION H: ENC OVERLAPS

International Hydrographic Organization

STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC - PRIMAR	SAIHC	GB500722	IN52551A IN52552W	5	MEDIUM



Region: Seychelles

Unresolved overlap

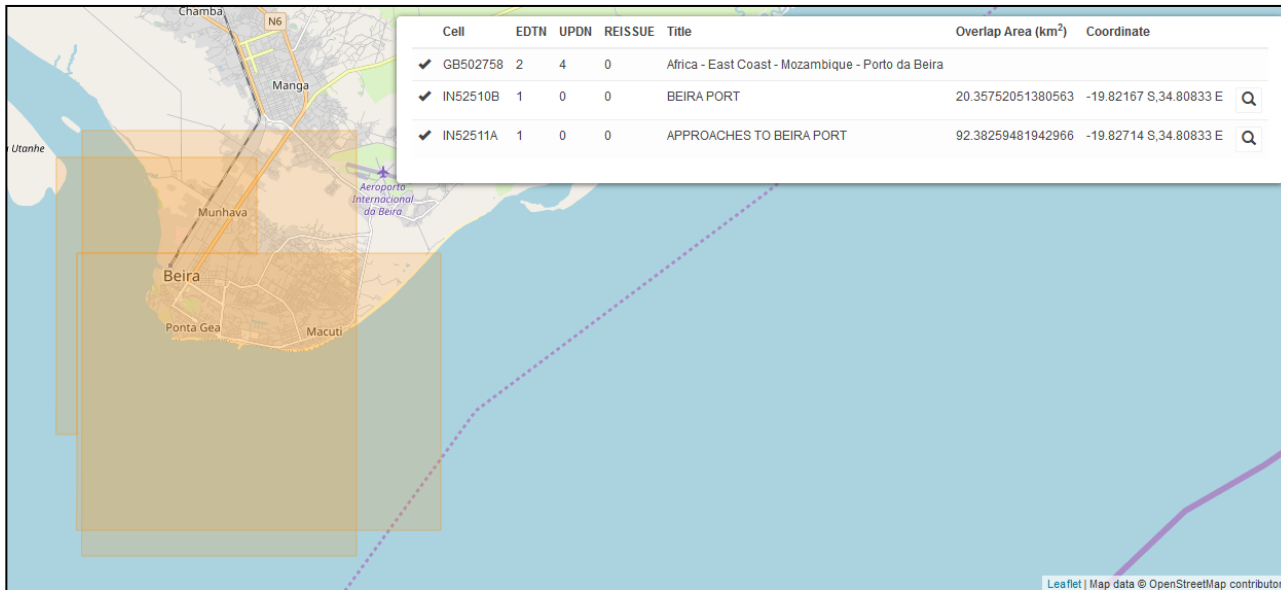


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# REGION H: ENC OVERLAPS

International Hydrographic Organization

STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC - PRIMAR	SAIHC	GB502758	IN52510B IN52511A	5	MEDIUM



Region: Mozambique

Unresolved overlap

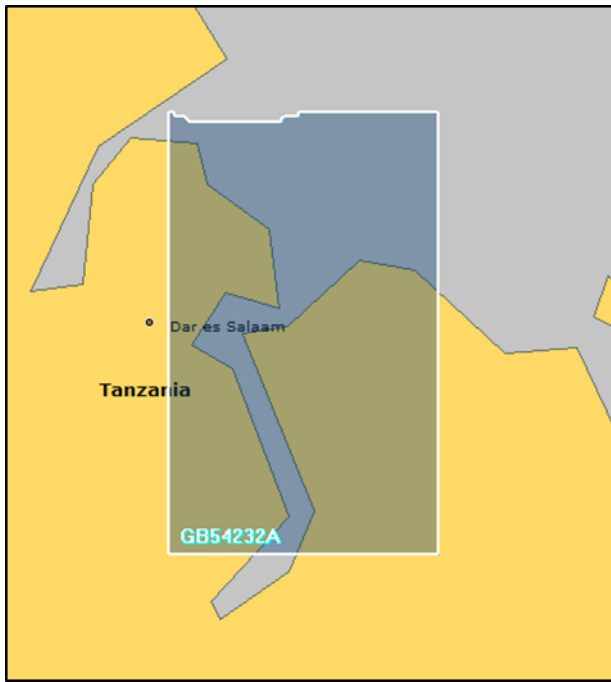


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# REGION H: ENC OVERLAPS

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STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC - PRIMAR	SAIHC	GB54232A	IN62516D	5/6	MEDIUM



**Region: Tanzania**

**Unresolved overlap**

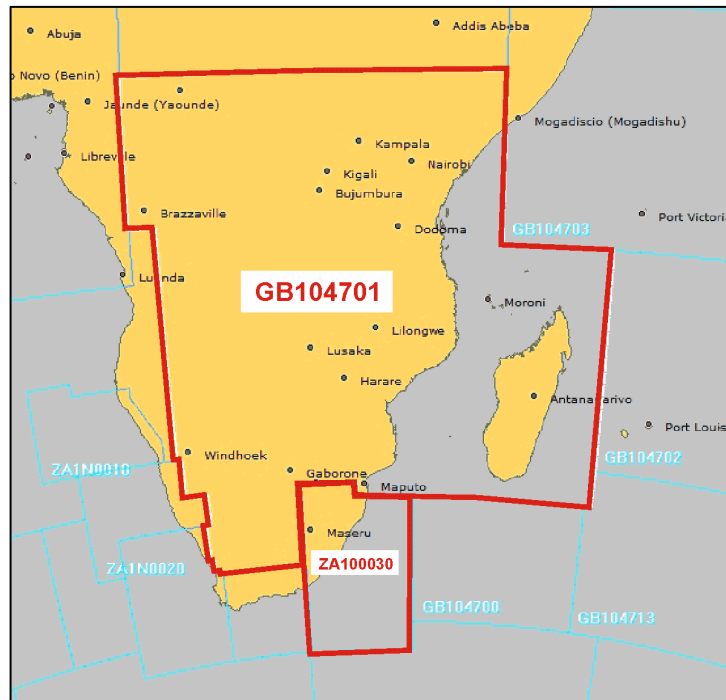


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# REGION H: ENC OVERLAPS

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STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	IC-ENC - PRIMAR	SAIHC	GB104701	ZA100030	1	MEDIUM



**HOs in process to resolve overlap**

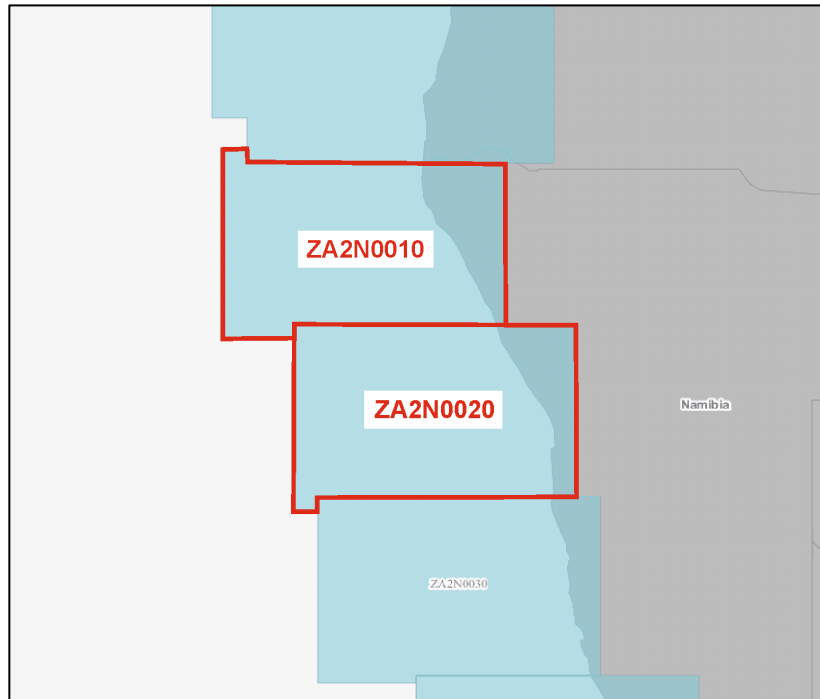


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# REGION H: ENC OVERLAPS

International Hydrographic Organization

STATUS	RENC Membership	RHC	ENC 1	ENC 2	Usage Band	Overall Severity of Risk
LIVE	PRIMAR	SAIHC	ZA2N0010	ZA2N0020	2	-



HO in process to resolve overlap



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## REGION H: ENC OVERLAPS

### IHO Resolution 1 of 2018 (IHO CL 19/2018):

**Hydrographic Offices, ENC Producers, and Regional Hydrographic Commissions should take appropriate measures to eliminate all overlapping ENC data, particularly in areas of demonstrable risk to the safety of navigation.**

- 3 overlaps have been recently resolved in the vicinity of Aldabra Island and Zanzibar.
- 10 ENC overlaps in Region H remain unresolved and 9 are in process by the ENC Producers to remove the overlaps.
- The overlap between RU and AU remains an ongoing challenge due to no response or action from the ENC Producers.
- A number of overlaps have failed to comply with WEND Principles and have surpassed the '1 year clock' timeline.



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## **GRIDDED ENC SCHEME FOR SAIHC REGION**

- Producers are currently basing ENC cells on paper charts and our processes are built around this.
- Adequate ENC coverage and gap analysis for the region is currently under assessment.
- A gridded scheme may be challenging to introduce in the SAIHC Region in the short term as it will require much effort to amend existing cells and eliminate all current overlapping ENCs.
- Other adjoining chart regions may choose to implement a different gridded ENC scheme which may have implications for the cells at the region borders.
- Producer nations will have to agree on boundaries where difficulties may be experienced to prevent overlaps within a gridded system.





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## S-100 IMPLEMENTATION ROAD MAP

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A variety of S-100 products exist, and South Africa has identified products based on importance and feasibility.

S-100 products identified for implementation by South Africa:

<b>Product</b>	<b>Description</b>
S-101	Electronic Navigational Charts (ENC)
S-102	Bathymetry
S-122	Marine Protected Areas
S-124	Navigational Warnings
S-104	Water Level Information for Surface Navigation

Timelines and implementation of products based on resource availability and accessibility with S-101 as priority.



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## **ACTIONS TO BE CONSIDERED BY THE WENDWG**

WENDWG is invited to note the report from SAIHC.