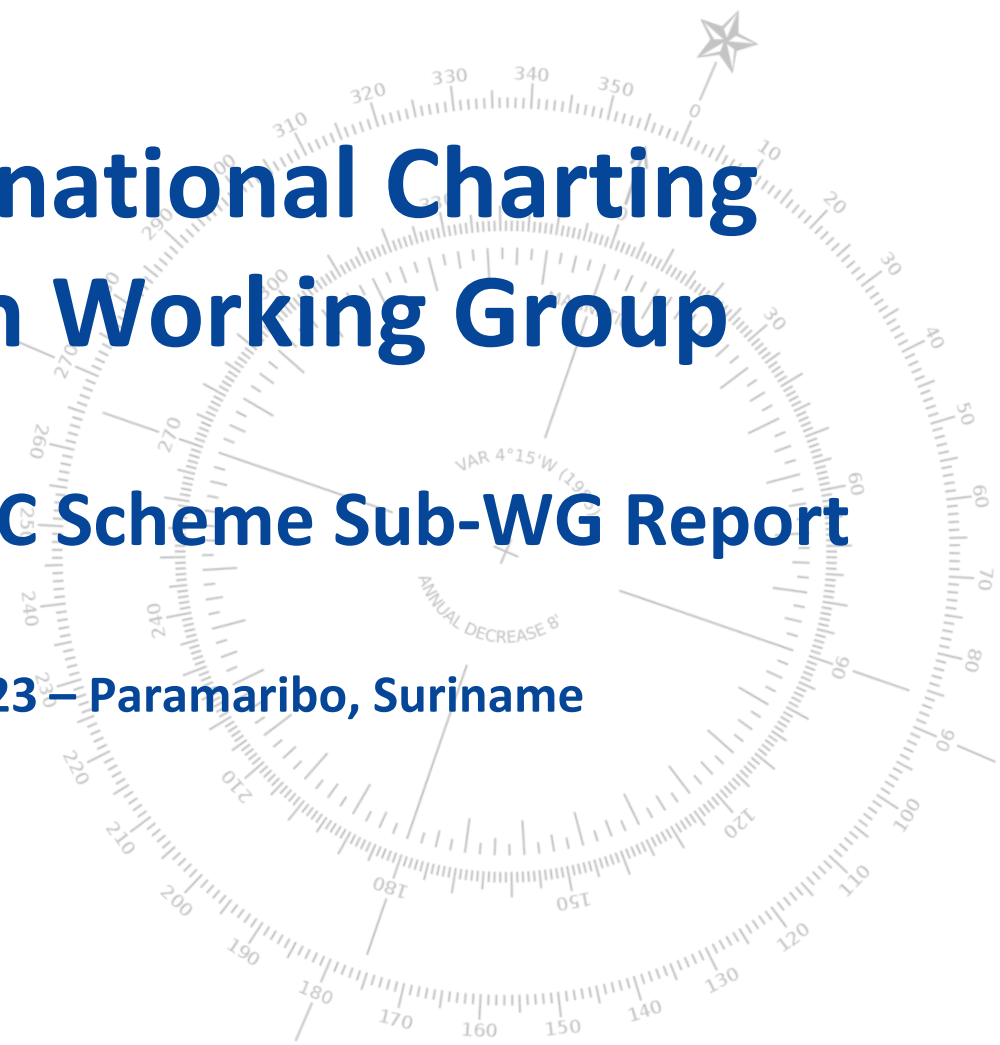




# MACHC International Charting Coordination Working Group

## MACHC Regional ENC Scheme Sub-WG Report

December 12<sup>th</sup> 2023 – Paramaribo, Suriname



## Background

- 20.9.1 Work towards approval Of the standardized regional ENC scheme
- 21.9.2.3: Endorsed the proposed incremental approach for a standardized regional ENC Scheme starting with Usage Band 1 cells
- 22.9.3.1: Noted the report of the MICC sub working group on the MACHC Regional ENC Scheme
- 22.9.3.2: Endorsed the continuation of the discussions on ENC re-scheming by the MICC sub working group on the MACHC Regional ENC Scheme, taking into account the coastal States positions
- 22.9.4: Noted the presentation on the UKHO worldwide gridding
- 23.9.2.1 Approved the MRES for Usage Band 1
- IRCC15 Recommendation 10: RHC Chart Coordinators/S100 Coordinators report their planned S-101 chart schemes, usage bands 1 – 4, by 30 September.

## Overview

- MICC CL 04/2023: Request for Member State update on planned chart schemes in usage bands 1-4
  - ENC coverage submissions from 6 Member States, 7 schemes total





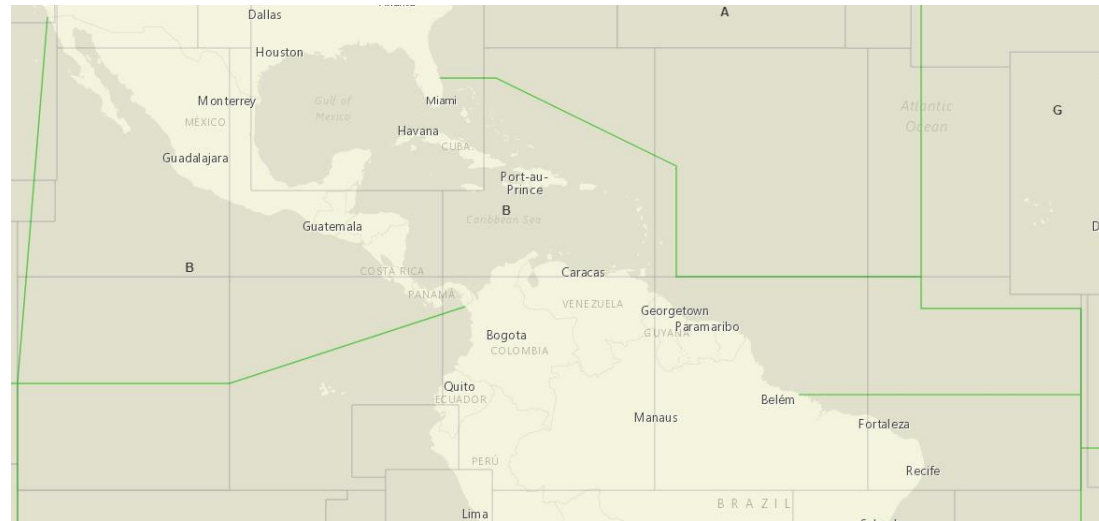
## Additional Comments from Member States

- At least two member states expressed reservations or opposition to considering a change in ENC schemes
  - Dual Fuel Production
  - New discussions and agreements arising from changing coverages
  - Prioritization of display scale harmonization
- One Member State expressed no opposition to re-scheming at small scales
- One Member State does not intend to change their current ENC scheme, but may revisit the issue once S-101 production is implemented
- One Associate Member State noted they do not have the capacity to produce ENCs
- Most Associate States have a PCA
- One Associate Member State submitted their plans for large scale ENCs



## Conclusions

- Gridding has started in the MACHC
  - Not every MS is planning to change schemes
  - Potential Benefits to a grid
    - Eliminate gap/overlap possibility
    - Standardization of data
    - S-100 product compatibility
    - Web Service Interoperability
  - Challenges
    - Resource limitations: Dual Fuel
    - Changing international agreements
    - No universally accepted grid
- How can we prepare our coverage in the lead-up to S-100?



# Paths Forward

- Dialogue and Technical Exchange between Member States
- Exchange of Knowledge - [IHO Test Bed Exchange](#)
- S-100 Coordinator

Testbed Programmes

Name	Contributors	Related standards	Information	Contact
KHOA S-100 Testbed	Rep.of Korea	S-98, S-1xx		<a href="#">Iji KIM</a>
IHO-Singapore Lab	Singapore	S-101, S-102	<a href="#">LINK</a>	<a href="#">Parry Oei</a>
S-100 Across the channel	France, UK	S-101, S-102		<a href="#">Christian Mouden</a>
PRIMAR Conversion Project	PRIMAR, PRIMAR RENC member states, Taiwan, SevenCs, i4Insight, TCaris, ECC	S-101	<a href="#">LINK</a>	<a href="mailto:data@ecc.no">data@ecc.no</a>
S-100 / S-102 Demo	ECC, PRIMAR, Norway	S-101,S-102,S-111,S-129	<a href="#">S-100 Demo, S-102 Demo</a>	
S-100 as a service	ECC, PRIMAR, CHS, TCaris, SevenCs	S-102, S-104, S-111	<a href="#">LINK</a>	