



INTERNATIONAL HYDROGRAPHIC ORGANIZATION
MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC
COMMISSION



MACHC Integrated Charting Committee

14 December 2016 – Meeting

Belem, Brazil

I. Commencement of Meeting:

- a. Welcome & Introductions: The Chair of the MICC, John Nyberg (US/NOAA), opened the Meeting at about 10:35 by introducing himself as well as the Vice Chair, Paulo Matos (Brazil). As this was held within the conference venue, it was difficult to go through formal introductions and a list of participants could not be attained. However, many of the conference attendees remained in the room as observers. A list of previous MICC Participants is provided as Annex B.
- b. Approval of the Agenda:
The Agenda was presented. No further changes were suggested and the Agenda was accepted as proposed.

II. MICC Organization:

- a. Participants List:
The MICC Participant List was circulated and updated. The revised List of MICC Participant List is available at Annex B.
- b. MICC Administrative Actions:
 - i. Action 7.2 – Closed; Dedicate time at the MICC meeting to develop timelines for completing ENC coverage of the identified ports. This activity took place at this MICC meeting.

III. INT Charts:

- a. INT Chart Actions:
 - i. Action 10.1 – Closed; Chair discussed roles and responsibilities of INT Chart Coordinator, and asked for volunteers to take over as INT Chart Coordinator for the MACHC is **closed**. Paulo Matos volunteered to serve as INT Chart Coordinator.
 - ii. Action 4.2 - TBD/Ongoing; UKHO and Colombia will meet around March 2017, and will report on this action item at the next quarterly MICC meeting.
 - iii. Action 12 - TBD/Ongoing; UKHO will visit Venezuela in Feb 2017, and will report on the status of this action item at the next quarterly MICC meeting.
- b. Updates to current INT coverage:
Suriname desires to modify current coverage of INT 4191 to cover full coast of Suriname, which may create a coverage gap. Suriname agreed to meet with MICC chair and UKHO to discuss this in more detail, and evaluate impacts to coverage.

Action 1.1: U.S. to set up phone call with UK, France, Suriname & INT Chart Coordinator. Suriname and UK agreed to discuss first. (John Nyberg)

France has submitted INT Chart updates, but they have not yet been evaluated. France will discuss these changes with the MICC Chair.

Action 1.2: INT Coordinator will approve updates to IHO online. (Paulo Matos)

The US/UK/Cuba chart is currently under review. NOAA provided review copies for both Cuba and the UK, and requested input prior to release to the public. The Chair expressed gratitude to UKHO and Cuba for their collaboration and data.

Action 1.3: U.K. and Cuba to submit review to U.S. and U.S. will make changes and release in early 2017. (U.K/Cuba)

IV. Electronic Charts:

a. ENC Actions:

- i. Action 10.2 – **Closed**; France reports that he has completed this action item.
- ii. Action 7.3 - **Ongoing**; MX is working with US/NOAA on the ENC Band 2 overlap near the US/MX Maritime Boundary. IC-ENC expressed they are ready to coordinate any overlap or ENC retirement needs.
- iii. Action 7.4 - **Closed**; Updates to MACHC ENC-Online were completed. Current participant supplying data to the data service include Cuba, Mexico, Colombia, the Netherlands, USA, and Brazil.

NL asked if it is allowed to submit data to the MACHC ENC-Online data service. MICC chair welcomes more data into the suite of ENCs, and mentioned NOAA's inclusion of all US ENCs into the viewer.

MICC Chairman confirmed the preferred supply route for ENCs into the MACHC ENC-Online is through IC-ENC (this single supply route gives operational advantages)

V. Port Analysis Update:

- a. Chair encouraged member states to work with MICC Technical Coordinator (Jesse Friedmann, NOAA) re: inclusion and tracking of cruise ship ports identified as ENC gaps, to decide which port gaps should or should not be tracked over time.
- b. France asked about the refresh rate of this analysis. NOAA replied that it desires to update the gap analysis based on the latest available satellite AIS data on a yearly basis, but cited technological hurdles in managing and accessing S-AIS data that have inhibited this effort thus far.
- c. Question: "Is this methodology going to be expanded to other types of ships?"
Answer from MICC Chair: No plans exist to expand to other ship types.
- d. Question from IC-ENC: "What is the most pressing ENC gap in the MACHC, and how do we plan on prioritizing and encouraging the filling of those gaps"? The MICC Chair did not provide specific ENC gaps, but emphasized the importance to cover ENC gaps were large passenger ships / cruise ships frequently visit.

- e. Question/request from France: France requests that other databases of ports be added to the MICC viewer as a GIS service layer.
- f. MICC Chair asked for consensus among participating member states in whether the Cruise Ship ENC port gap analysis list be used to track ENC gaps over time. *Full positive consensus was reached without further comments.*

SUMMARY OF ACTIONS

Annex A

"New" General & Administrative Actions from December 14 2016 MICC Meeting			
#	Action	Who	Status
1.1	Tech coordinator to update gaps list using Port Analysis update.	Jesse Friedmann	April 2017
1.2	Advertise MACHC ENC Online Links in Hydro-International and other relevant publications and trade journals.	John Nyberg	April 2017
1.3	Netherlands requested collaboration w/Caribbean Marine Atlas – Chair Agreed to follow-up & register site.	John Nyberg	April 2017
1.4	MICC Chair will provide updates on proposed GGIM working group.	John Nyberg	April 2017

New INT Chart Actions from December 14 2016 MICC Meeting			
#	Action	Who	Status
1.6	U.S. to set up phone call with UK, France, Suriname & INT Chart Coordinator. Suriname and UK to discuss first.	U.S. UK & Suriname	April 2017
1.7	INT Coordinator will approve in the IHO online.	INT Coordinator	April 2017
1.8	UK and Cuba to submit review to U.S. and U.S. will make changes and release in early 2017.	UK and Cuba	April 2017
INT Chart Actions from the April 6, 2016 MICC Conference Call			
4.2	The U.K. to forward their proposal to resolve the overlap issue between INT Charts 4025 and 4011 directly to Colombia for their consideration.	Stephanie Vincent/Lee Truscott	Oct 12 Dec 14, 2016 April 2017

New ENC Actions from December 14 2016 MICC Meeting			
#	Action	Who	Status
1.5	Advertise MACHC ENC-Online links in Hydro-International, and other relevant publications and trade journals.	John Nyberg	April 2017
ENC Actions from July 13, 2016 MICC Conference Call			
7.3	IC-ENC and Mexico to engage in direct communication to address the overlap and ENC release of Mexican ENCs issue, noting the status and expected course of action and report to the next meeting. MX submitted proposal to U.S. and U.S. to follow-up.	Jesse Friedmann/ John Nyberg	April 2017

Annex B

Meso American & Caribbean Sea Hydrographic Commission
MICC – Members

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