



**INTERNATIONAL HYDROGRAPHIC ORGANIZATION
MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC
COMMISSION**



**MACHC Integrated Chart Committee
Wednesday, 30th July 2021 – Conference Call**

1. Commencement of Call:

a. Welcome & Introductions:

The Chair of the MICC, Bernice Mahabier, opened the Conference Call at 10:15 US EST, identifying those who joined on the video conferencing platform Microsoft Teams. She thanked everyone for calling in this morning. The following Member States participated in the call:

- i. Brazil
- ii. Columbia
- iii. France
- iv. IC-ENC
- v. Mexico
- vi. Suriname
- vii. United States
- viii. Venezuela

The full list of MICC Members is provided as Annex B.

b. Approval of the Agenda:

The agenda was presented. The agenda was adjusted on item 4 and 5 and then was accepted.

c. Review of actions:

The summary of actions was presented.

#	Action	Who	Status
3.b	Port Analysis spreadsheet update on the MACHC website.	Stephanie Vincent (UK)	Ongoing

James Harper from IC-ENC commented that the person responsible of the action 3.b needed to be revised. The item was adjusted. Rodrigo Obina from Brazil suggested that for this action, an imaginary overview of the Port Analysis spreadsheet will be very helpful for the MS to review the information. Bernice will look on the possibilities on creating this overview added on the MICC website.

#	Action	Who	Status
5.e	To provide follow-up information on the INT 4022 and 4190.	INT Chart Coordinator	Ongoing

Rodrigo commented on the action 5.e. Regarding the INT 4022, this is still under discussion by the MACHC chair with Venezuela and France. About INT 4190, the MACHC chair responded to Venezuela about this INT chart plan for Guyana.

#	Action	Who	Status
7.1	MICC Chair request IC-ENC to share the information based on the questionnaire IC-ENC CL2021/09; IC-ENC Production Support service, and Members' S1XX plan. Findings and focus areas within the MACHC area. IC-ENC requested from their members a timeframe of the S-100 production and support needed	MICC Chair	Ongoing

Regarding the action 7.1, James stated that the background of this circular letter and the survey was to reconfirm that the IC-ENC workplan regarding new service elements still reflected the need to the IC-ENC members. IC-ENC confirmed the priority of new services being in the first year: the S-102 the gridded bathymetry and S-122 marine protected areas. Following that in years two IC-ENC will expand to include S-104 the tidal heights and S-111 surface currents. Also, there is a need to expand the ENC service to cater S-101 ENCs and as well as S-57 ENCs. James wanted to draw attention to the MACHC region that there is a recent launch of the IC-ENC Learning Management System (LMS). That is the tool through which the production support service will be delivered. This system will become a rich reciprocity of support material for MACHC members. James encouraged individuals and organizations in the MACHC to seek their login credentials to that tool. So that when new e-learning material for example is available on that system, then MACHC members have immediate access to it. More development of this system included reference to new training material and in Spanish language are described in the recent IC-ENC circular letter.

Regarding the action 7.1, James will return to the following MICC/MACHC meeting with the geographical analysis of the results of this questionnaire.

Bernice will share IC-ENC information with the rest of the MICC/MACHC with permission of IC-ENC.

David Dagoberto from Columbia commented that the IHO had issued Circular letter no. 27 and it is important and necessary for all member states to submit and provide their status to the IHO.

#	Action	Who	Status
7.2	Preparation for a S100 webinar in October 2021	Chair CB WG	ongoing

Bernice stated that the Capacity Building Chair is preparing a S-100 webinar. MICC member states are asked to provide feedback on what topics they like to add to the webinar program.

The summary of actions is provided as Annex A.

2. MICC Organization:

a. MICC Membership update:

Bernice stated that there were no changes to the MICC Membership at this time. No new requests were received.

b. Administrative Actions:

There were no outstanding Administrative Actions.

3. Electronic Charts:

a. Review of Actions (including MACHC 20.9.1 and 20.9.6):

The statuses of Actions are as follows:

- "Support process outlined in WEND overlap Resolution 1/2018 – continue good work at keeping overlaps to a minimum – Currently no overlaps.
- submit ENC Schemes to the approval of RHC S-11 Part A, Section 200 (as part of MICC Plan) - ongoing. This topic was further elaborated in subject 4.
- 21.2.1.1 IHO/11.1 - MACHC 20.9.6 MACHC members are invited to check the quality of the information available in INTogIS II for Region B and report any discrepancies. Bernice encourages the members to check if the INT charts are correctly portrayed in the INTogIS II portal.

b. Ports Analysis Update: The updated spreadsheet was presented. No feedback was available this time. Bernice will contact the PCA's, and the countries involved for some updates.

The updated list of Cruise ships port gaps is provided on the MACHC website.

c. Updates/resolutions of overlaps in ENC coverage:

Overlap report IC- ENC: 2 accepted overlaps and 2 resolved overlaps.

d. ENC on-Line Update Discussion on Quarterly updates:

There was nothing further to report on this topic.

e. Updates to arrangements with RENCs:

Bernice asked James from IC-ENC for input on this matter. He stated that there is a no changes in the MACHC region. There are no changes in that list to inform any further. James asked if there are more specific info that IC-ENC could supply regularly to the MICC group as support, just as the overlap report.

Bernice suggested if IC-ENC in the near future could provide an overview of the S-100 progress that are being produced within the MACHC region.

James will consider the suggestion and will return to it in due. He mentioned the upcoming IC-ENC Technical Online event on the 6th of October.

4. Standardization of regional ENC schemes:

Julio Castillo from the US reported some updates of the Standardization of regional ENC scheme WG. During the last MACHC meeting the MICC were updated with the progress of the scheme proposal. The proposal was a regional band 1 ENC scheme, that was standardized and gridded across the MACHC region, which was basically just an extension of the proposed NOAA scheme that NOAA will be implementing in the future. The UKHO ingested this data and analyzed it with various other proposals that they were working on that would incorporate their global coverage. Julio mentioned that Stephanie Vincent and Lee Truscott from the UKHO had unofficially closing in on a decision on one of their grids, which is slightly different than the one that NOAA has planned. The cell size would be about 20 degrees in latitude and longitude. And the origin point would be 180-degree longitude line and at the South Pole. Under the leadership of Leonardo Tun, Dagoberto David and Olga Bonfante from Columbia, they will be working on a more concrete proposal going forward with the updates of the UKHO.

Bernice thanked Julio for his updates and the WG for their effort.

5. INT Charts:

Bernice invited Ana Silva from Brazil to give her input in this matter.

Ana thanked everyone for their response to update the contact list. Any changes in this, can be sent to Bernice and Ana.

Ana stated that an email has been sent for information about pending submissions of INT charts. She had received responses from Columbia and Mexico but concluded that currently the region has no pending submissions and no updates on the current coverage.

For the review of actions and the workplan, she stated that there are two main goals. The first is to keep the information from S-11-part B up to date and the second is to review the INT chart scheme. So, to accomplish these two roles, Ana created a worksheet. The document will need to be approved by Bernice and then send it to the MICC group. From this information, she can review the catalogs and propose a change to the INT chart scheme.

6. S-100 Developments

- Information on S-100 test beds:

Bernice mentioned that there are some countries that are doing the S-100 test beds. She asked if there were any updates on this matter. No further update on this topic.

- Input for Webinar in support of S100 development:

Bernice asked if there were any member states that would like to include the necessary topics to this two-day webinar. The date of the webinar will be known by next week. Depending on the availability of presenters, the webinar will probably hold in October. The feedback from the MACHC chair for this webinar is:

- the development on the conversion from S-57 format to S-101 format and on S-101 production
- S-100 implementation challenges over Nautical Products workflow.

If there are any suggestions, please send it to Bernice.

Bernice asked member states, whom already in the process of producing S-100 products or included the production of S-100 products in their strategic plan for the coming years, could provide information or share their experiences in the webinar.

Dagoberto David from Columbia asked if the industry for example CARIS is invited to this webinar. He mentioned that for Columbia it is necessary during the webinar that the industry could demonstrate one conversion exercise from S-57 to S-101.

Bernice thanked him for the feedback and will take this suggestion to the industry. The industry can perhaps provide feedback on how to share this information if it can be done within the webinar or perhaps, they need separate workshops to do this.

James explained that Tom Richardson already thought about what of material will be useful for these types of webinars and had delivered similar topics during the IC-ENC technical conferences. Tom will reach out to Bernice in this matter.

Bernice thanked James for the great support and mentioned that if any other member states have a specific subject that they like to add, please send an email to her.

7. Any Other Business:

- Product Specification development participation:
There was nothing further to report on this topic.

8. Adjourn:

Finally, Bernice thanked the group for their participation in today's conference call and for their contributions.