



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



**MACHC Integrated Chart Committee
Wednesday, 14th October 2020 – Conference Call**

1. Commencement of Call:

a. Welcome & Introductions:

The Chair of the MICC, Bernice Mahabier, opened the Conference Call at 10:00 US EST, identifying those who joined on the video conferencing platform Interactio. She thanked everyone for calling in this morning. This was followed with some instructions and functionality of this new chosen conference call software by the technical support presented by David Bidwell. The meeting was simultaneously translated in Spanish. The following Member States participated in the call:

- i. Brazil
- ii. France
- iii. IC-ENC
- iv. Mexico
- v. The Netherlands
- vi. Suriname
- vii. United Kingdom
- viii. United States

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

b. Approval of the Agenda:

The Agenda was presented. No changes were suggested, and the Agenda was accepted as proposed.

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. The membership is open for whoever is interested. Requests can be sent to the MICC Chair.

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:

- i. MACHC 20.9.1: “Dominican Republic to provide additional input/assistance related to cruise ships to the MICC WG.” No comments on this action.

b. Ports Analysis Update:

- Bahamas: Stephanie Vincent from UK shared that most gaps has been covered. The only ones that have not been covered are Great Stirrup and Little Stirrup Cay. No source material available. Band 5 and 6 are available for the rest of the ports.
- Costa Rica- Responsibility shared between US and UK: Jim Rogers from the US stated that NGA is the PCA for Costa Rica. Agreement is on the way to work out these ENC's.
- Panama: UK is the producer of the Panama ENC's for outside of the canal territories. At the moment there is nothing larger than band 3.
- Dominican Republic- PCA USA: no comments.
- Trinidad and Tobago: UK stated that both ports Charlottesville and Scarborough are covered in band 4 coverage.
- Saint Vincent and the Grenadines: UK has managed to produced coverage band 5 to all but one of the ports. The port Union Island Chatham Bay is still to be done. No timeline available for this port.

The updated list of Cruise ships port gaps is provided as Annex B.

c. Updates/resolutions of overlaps in ENC coverage:

Bernice asked IC-ENC for input on this matter. Dan Garratt from the IC-ENC provided the overlap report. The report identified one acceptable overlap and it is still to be resolved. He mentioned that it is a one-meter overlap over land. No changes expected. All other overlaps have already been resolved. In the last three months there was one overlap due to a new cell. This is already been resolved by a cancellation update.

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

Dan mentioned that IC-ENC quarterly supplied to the MACHC online database. There are no coverage changes received. Bernice confirmed that there were no updates received.

e. Updates to arrangements with RENCs:

Bernice asked James Harper from IC-ENC for input on this matter. James stated that there is no change to membership in the MACHC region. The focus on RENC activity now is on S100 and the future datasets. This is been developed by and through a drafting group of the WEND WG, which has recently reported to the IRCC meeting regarding S100 and the principles. This will be presented on the consul meeting in November. James underlined that in two weeks' time there will be an IC-ENC Technical Conference

which looks at the new data type and new services. He mentioned that there will be representations from IC-ENC team, observers from the PRIMAR RENC and the East Asia Hydrographic Region RENC office in Hong Kong. James thanked the MICC Chair for distributing the IC-ENC S-122 Service Description paper to support this MICC meeting.

1. Providing Regional CATZOC practices to the DQWG (IHO Report 19th MACHC)

Bernice asked IC-ENC for input in this matter. Dan mentioned that CATZOC is a part of the validation process. But apart from that he has no further information.

James explained that this matter is about supplying CATZOC file to the IHO Secretariat. He pointed out a joined circular letter from IC-ENC and PRIMAR reference 2019/15, which lists the current HOs that have given permission for RENCs to supply their CATZOC files to the IHO Secretariat for the GIS tooling. **He will provide the MICC Chair with a copy of the circular letter for distribution to the MICC group and if there are any additional HOs not listed in the annex and wish to be added, they can contact the RENC office.**

Jan Schaap from the Netherlands indicated that this matter originated from an initiative of the Data Quality WG. The WG invited every member state to get input on how they qualify their CATZOC.

MICC Chair will provide further information of the CATZOC to the MICC group.

For the question from Jim Rogers about the format of the CATZOC files, James explained that the CATZOC files are extracted from the ENC files that are already available. There is no need for additional work or processing for each HO. James stated that this matter is simply about permission to do this.

2. Maintenance of ENC schemes using INTOGIS II, including provision of CATZOC as an additional layer

Ricardo Freire gave a short presentation on the INTOGIS II. The main goal of the presentation was to demonstrate the INT Chart submission on the IHO Web Catalogue (<http://chart.iho.int:8080/iho/main.do>). New entries and tools are provided by South Korea and UK. New tool for search and updates provides for the INT charts and the ENC charts. There are additional data added in the layers. There is an option to sign in as the IHO Web Manager. Ricardo is responsible for the INT Charts updates. He gave a demonstration of the submission of an INT Chart. He encouraged the group to take a look at the INT Chart & ENC Schemes Web Catalogue User Manual (<http://chart.iho.int:8080/webmanager/iho/manualDownload.do>).

4. Standardization of regional ENC schemes:

Leonardo Tun from Mexico reported about the ENC Scheme proposal submitted by Columbia and gave the status of the proposal. Mexico and Columbia are still working on adjusting this proposal with some comments of other member states. The need to know the standpoint of the members, a questionnaire has been provided to the member states. Leonardo explained the different parts of the questionnaire. He mentioned that only US, UK, NL and France had provided input on this and presented the different views to the MICC group.

At this point James dropped a discussion question on the chat room: Do HO's in this region intend to replicate their S57 schemes for their S101 ENC's? France, NL, UK, US, Mexico, Suriname and Brazil replied that they do intend to keep its S57 schemes for their S101 ENC's.

Leonardo indicated that the next step to be taken is to analyze all the answers. He mentioned that Mexico needs to submit their comments too on this questionnaire. He indicated that most countries have problems to respond to this due to lack of different band ENC availability. He suggested that the proposal to start out with only band 1 could be made easier for the members to accept it.

Bernice agreed to this suggestion and encouraged to continue with this great project.

Bernice asked the MICC group if there are recommendations for the way forward to this proposal. **Leonardo proposed if the members would like this to have a step by step approach starting with band 1. NL, FR, BR and US agreed that step by step starting with band 1 would be the best way forward. UK mentioned that their response in the questionnaire remains current.**

Katie brought into attention that it is important to get survey results and response to phased approach from Mexico, Cuba, Venezuela and Brazil before the report to the MACHC Plenary.

5. INT Charts:

a. Review of Actions

Bernice reported that the only open action is the update of the FR INT chart 4070. Still pending approval Guyana and Venezuela. The request is submitted. Guyana stated that they are still working on it and there are no responses yet from Venezuela. She mentioned that three INT charts the 4196, 4193 and 4192 are submitted to the ADC waiting for their approval.

Leonardo reported that Mexico has started working on the INT charts 4012 and 4013 with US and UK. The timeline of the INT chart 4013 is from October 16th, 2020 till the end of March 2021.

b. Updates to Current Coverage

This topic was further elaborated in subject 6.

6. Timetable for development and review of MICC report and recommendations to MACHC Plenary, including 2021 workplan:

Bernice presented the draft MICC report and asked for the input of the MICC group. **For the information of the ENC totals and by usage bands in the MACHC region, IC-ENC offer to supply this information to the Chair. She indicated that the information about the INT**

charts need to be updated according to the recent received information. Regarding the Regional ENC Scheme, the MICC sub working group MRES needs to provide the findings and recommendations to the Chair.

Bernice presented the 2021 workplan and explained that it is the same as the 2020 workplan. She asked for feedback and other suggestions from the MICC group and she will include if necessary, items of the WEND WG and the IRCC. **For the approval of the 2021 workplan, the MICC group decided that its best to be send by email for approval.**

7. Update from the MMSDI WG and request for MICC support:

Jim Rogers (US) as the chair of the MMSDI WG presented the Layer Support Request from the MICC. Based on feedback from the MSDI Users the MMSDIWG is in the process of doing an Additional Layers Survey. These layers are meant to support non-maritime navigation users of marine data. For example, Jim mentioned the project of Dawn Sewpersad that is the Economic Assessment of the Risks in Maritime Navigation across the Greater Caribbean Region.

The new survey can be found on the MMSDIWG link: <http://www.ihomachc.org/mmsdiwg.html>

The main goals for this presentation are that the MICC group is aware of the new MSDI Additional Layers Survey and ensure that it is filled out by each MACHC Member. And that each MACHC member follow up the MMSDIWG MSDI Inventory Letter requests and make sure that is acted upon in a timely manner. **The MMSDIWG asked the MICC Members for assistance with how to best gather the CATZOC information to support the MSDI Users.**

Katie mentioned that Dawn Sewpersad could indicate what her CATZOC attribute needs are and in what kind of format she would like to have for her risk assessment project to the MICC group.

Dawn stated that she needs the CATZOC data as a GIS polygon with the attributes chart number and year of data acquisition. This is to estimates the ZOC quality conform the IHO CATZOC table. She commented that the focus is now on data of five countries that are Trinidad and Tobago, St Vincent, Jamaica, Belize and Antigua. In the future if the CATZOC is considered primary information by researchers, the need for data can be extended to all territories.

James responded that it might take some time and permission from the HOs to make the data available via the RENCs. He mentioned that even though the CATZOC info is already public (via ENCs), there was concern about serving it up in different formats and the potential for misunderstanding amongst different audiences.

Jim suggested that for now Dawn needs to approach the individual HOs to request the CATZOC information for the best results.

Julio Castillio from the US gave a short demonstration to Dawn how to extract data from the NOAA website within the areas that the US covered.

8. Information on S-100 test beds:

There was nothing further to report on this topic.

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9. Any Other Business:

- Product Specification development participation:
There was nothing further to report on this topic.
- MACHC Boundary adjustment:
This topic was elaborated during the presentation of the draft MICC report. Bernice mentioned that there are still some outstanding issues that Brazil need to consider.
Therefore, the adjustment of the MACHC boundaries should be considered an ongoing MACHC action until Brazil official submission is finalized.
- IHO HSSC Future of the Paper Chart Report now available for Review on IHO Website:
Katie stated that on the last meeting of the IRCC they had strongly encouraged all regional hydrographic commissions to look at it and its potentials implications. There will be other recommendations coming from IRCC. When finalized she will forward it to the MICC group.

10. Adjourn:

Finally, Bernice thanked the group for their participation in today's conference call and for their contributions. She noted that the MICC group will meet soon at the MACHC Plenary.