



INTERNATIONAL HYDROGRAPHIC ORGANIZATION  
MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC  
COMMISSION



**MACHC Integrated Chart Committee**  
**Wednesday, 09 December 2013 – Meeting**

1. Commencement of Meeting:

a. Welcome & Introductions: The Chair of the MICC, John Nyberg, opened the Meeting at 1330. As most of the participants have been in the meeting room for the greater part of the day, individual introductions were declined. However the following countries were in attendance:

- |                        |                         |
|------------------------|-------------------------|
| i. Antigua and Barbuda | viii. Mexico            |
| ii. Barbados           | ix. Netherlands         |
| iii. Brazil            | x. Suriname             |
| iv. Cuba               | xi. Trinidad and Tobago |
| v. Costa Rica          | xii. United Kingdom     |
| vi. Colombia           | xiii. United States     |
| vii. France            |                         |

b. Approval of the Agenda: No further changes were suggested and the Agenda was accepted as presented.

2. MICC Organization:

a. Membership: The “Participant List” from the 23 October Conference Call was circulated and updated. The revised List is attached as Annex B.

b. Approval of Previous Minutes (from 23 October MICC Conference Call): The minutes were approved with no further comments.

c. MICC Administrative Actions: The only administrative action pertained to the drafting of the MICC report, which has been completed and will be presented to the Plenary of this MACHC Conference.

3. INT Charts:

a. Review of INT Chart Actions: Because all Actions are either on-going or covered via a specific Agenda item during the proceedings of this meeting, the Action List was deferred.

b. Updates to Current INT Chart Coverage: Leland Snyder introduced this topic with a request for any last-minute updates as appropriate. Regarding the on-going Action #12, “Venezuela and UK to review limits for INT 4102”, the group was informed that a meeting between the UK and Venezuela is anticipated in the first quarter of 2014, with hopes of addressing this issue.

Action #13, “Colombia and UK explore need to reduce major overlap between charts 4025 and 4011” remains on-going. Finally, it was noted that S-11 has been updated as required with the required information forwarded to IHO.

- c. Status of Mexican Proposal: The Mexican INT Chart Scheme was presented by Captain Ricardo Cruz with the goal of attaining approval of the MICC and eventually the full MACHC. Captain Cruz noted that all concerns previously identified have been addressed. Tim Lewis (UK) followed up with a question on the mid-latitudes used in compilation and whether the charts meet the AO paper size, as required by IHO Regulations. With all issues addressed, the Proposal was approved.

4. Electronic Charts:

- a. Review of Electronic Chart Actions: Because all Actions are either on-going or covered via a specific Agenda item during the proceedings of this meeting, the Action List was deferred.
- b. Cruise Lines Requests/Private Sources for ENCs: Contact with Cruise Lines’ continues has improved with the receipt of a list of priority ports from Celebrity Cruise Lines. Unfortunately no Cruise Lines representative was able to attend this meeting. Further efforts to connect with other Cruise Lines are continuing.
- c. Annex A: Leland Snyder acknowledged receipt of the Celebrity Cruise Lines list of Ports, which indicated a previously undocumented gap at Labadee Haiti. He further noted that the Cruise Lines are working with the private sector to provide coverage. IHB President, Robert Ward, noted that some Cruise Lines are now looking at Risk Assessments where they may cease operation to a specific port due to the lack of ENC coverage.

Mr. Snyder presented ANNEX A, the running list of ENC

s, of both currently available and pending future availability dates. Paulo Matos (Brazil) reported that the Brazilian Usage Band 3 cells, BR321300 and BR BR321400 will be available June 2014. He also noted that Brazil will have 31 additional ENCs in the Amazon River and will provide the necessary information to Leland.

**Action 1.1: Brazil to forward metadata on the 31 ENCs covering the Amazon River.**

Leland Snyder further elaborated on the availability of an interactive catalogue of available ENC

s on the MICC website. He also requested that he continue to receive updates as they occur in order to remain current. Finally, it was noted that a great many overlap issues have been resolved to date, but that this is a continuing effort as new cells are made available by different Member States and will therefore remain an active task.

- d. Annex B: Leland continued and covered Annex B of gaps and overlaps. As already noted, the Brazilian Band 3 ENCs covering Brazil will be available June 2014. With the availability of these ENCs, the previous gap will be eliminated and coverage along the coast of Brazil, Guyana and Suriname will be completed. Cuba indicated that they have released 8 new Band 3 ENCs and plan to have an additional 5 new cells, which are

currently in the “validation” process, available soon. Cuba further indicated that they need additional data from the UK. Tim Lewis (UK) indicated that he will try to get the required data and pass it to Cuba.

**Action 1.2: UK to provide required data for UB 3 cells to Cuba.**

Mr. Snyder noted the following gaps: Bahamas, Roatan, Charco Azul, and Golfito in Costa Rica. It was noted that the UK provided coverage of Princess Cay, Bahamas 2 years ago, but that they would look into the status of others.

Jeff Bryant (UK) noted that a survey of Half Moon Cay will be conducted about March 2014 with the data available in April. A quick turnaround with the compilation of an ENC is anticipated. The UK further indicated that the Roatan ENC is expected to be available later this month (December 2013). The Charco Azul ENC is almost complete, and is expected to be available January 2014. Similarly, the Golfito is also expected January 2014. The remaining gaps are in the Orinoco River, Venezuela.

- e. RENC Arrangements: There were no updates to any arrangements with RENCs.
- f. Inability to comply with ENC Coverage Requirement: There were no updates on any Member State who might be unable to comply with the required ENC coverage. However Erwin Wormgoor (NL) suggested that it may be useful to establish some conditions for UB 6 cells, as only a very limited number for very specific purposes have been complied. Leland Snyder mentioned the French UB 6 cells that are scheduled for 2015-2019, but are not included in the coverage assessments since these large-scale ENCs are not considered essential of navigation and therefore would skew our results. It was further noted that 215 UB4 cells are available or planned; 341 UB5 cells are available or planned; and 18 UB6 cells are available or planned.
- g. Partnering with other Member States: There were no updates on any Member State who might be unwilling to partner with another Member State to provide the required ENC coverage. With the collaboration among the Netherlands and Venezuela, this item appears to be an unnecessary Agenda item for future meetings and will be discontinued.

5. MICC Work Plan for 2014:

The initial draft Work Plan for 2014 was presented with the stipulation that it will need to remain flexible. The only revision was an additional task to agree on a Risk Assessment methodology set for March 31, 2014 timeframe. The Work Plan is provided as Annex C to this document.

6. MICC Report:

The MICC Report has been produced and submitted to the full MACHC. It is available via the IHO website at: [http://www.iho.int/mtg\\_docs/rhc/MACHC/MACHC14/MACHC14-07a-MICC\\_Report.pdf](http://www.iho.int/mtg_docs/rhc/MACHC/MACHC14/MACHC14-07a-MICC_Report.pdf).

7. MICC Report to Plenary, MACHC:

The MICC Report to Plenary was discussed in general terms only. It was outlined and subsequently developed for presentation to the full MACHC.

8. Any Other Business:

- a. The Netherlands expressed interest on the issue of quality for zones of confidence and that there should be some standardization/harmonization among Member States. The Chair indicated that AIS data might be useful to assist in this effort. Leland Snyder provided an example of the AIS data and how it might be used. The Netherlands further noted that we should perhaps examine our effort of coverage vs. quality of content.
- b. It was also noted that the List of Ports requires updating.
- c. Other information included the presentation of the NOAA produced Chart No 1, which for the first time includes national, international as well ENC symbology in a single reference document.

9. Adjourn: The MICC meeting adjourned at 16:35 AST. The next Conference Call is tentatively scheduled for 19 March 2014.

## SUMMARY OF ACTIONS

Annex A

Actions carried forward from MACHC Conference (November 2012)			
#	Action	Who	Status
<b>MICC – ENC Actions</b>			
6	UK and Celebrity Cruises (cruise industry) to discuss alternate sources of survey data and how/if it can be applied to charting products in the Bahamas	UK and Celebrity Cruise Rep	On-going
<b>MICC – INT Chart Actions</b>			
12	Venezuela and UK to review limits for INT 4102.	Venezuela, UK	On-going
13	Colombia and UK explore need to reduce major overlap between charts 4025 and 4011	Colombia, UK	On-going
19	Mexico to work with UK on the boundaries between the existing Mexican INT charts and UK charts in neighboring RHCs. Include Colombia and Nicaragua as necessary.	MACHC MICC Member States	<b>COMPLETED</b>

“NEW” ACTIONS from 23 October Conference Call			
#	Action	Who	Status
<b>MICC – INT Chart Actions</b>			
4.1	UK to contact Colombia regarding the overlap and paper size of INT charts 4025 and 4011.	UK	Dec 2013
<b>MICC – ENC Actions</b>			
4.4	Venezuela to provide update on the progress of ENC development in the Orinoco River area.	Venezuela	March 2014
4.7	UK to provide an update to the Ports Analysis.	UK	Nov 8, 2013

“NEW” ACTIONS from 9 December MICC Meeting			
#	Action	Who	Status
<b>MICC – INT Chart Actions</b>			
1.1	Brazil to forward metadata on the 31 ENCs covering the Amazon River.	Brazil	March 2014
1.2	UK to provide required data for UB 3 cells to Cuba.	UK	March 2014

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Hydrographic Commission  
MICC – Members  
(as of December 9, 2013)

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INTERNATIONAL HYDROGRAPHIC ORGANIZATION  
MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION



**MACHC International Chart Coordination Working Group**

**DRAFT**  
**Proposed 2014 Work Plan Milestones**

DELIVERY DATE (2014)	ACTIONS	
	Electronic Chart Activities	INT Chart Activities
January 31	Member States continue to provide plans to address gaps in ENC coverage within their area.	Member States continue to provide INT Chart metadata (as noted in S-11) for existing (available) INT Charts for use in GIS
March 6	In preparation for the quarterly Conference Call, Member States to provide updates to: <ul style="list-style-type: none"> <li>the list in Annex A of the Report of available ENCs</li> <li>resolution of any gaps/overlaps identified in Annex B of the Report.</li> </ul>	In preparation for the quarterly Conference Call, Member States to forward INT Chart metadata and shapefiles for "planned" INT Charts. Member States to propose additional coverage/adjustments for S-11, section B
March 19	Hold quarterly conference call to assess status and next steps	
March 31	Agree on a Risk Assessment methodology.	
April 11	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call.	
May 10	In preparation for the quarterly Conference Call, Member States to provide updates to: <ul style="list-style-type: none"> <li>the list in Annex A of the Report of available ENCs</li> <li>resolution of any gaps/overlaps identified in Annex B of the Report.</li> </ul>	In preparation for the quarterly Conference Call, Member States to forward INT Chart metadata and shapefiles for "planned" INT Charts. Member States to propose additional coverage/adjustments for S-11, section B update to MICC
June 18	Hold quarterly conference call to assess status and prepare information as needed for subsequent communication to IRCC and IHB.	



<b>DELIVERY DATE (2014)</b>	<b>ACTIONS</b>	
	<b>Electronic Chart Activities</b>	<b>INT Chart Activities</b>
July 11	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call	
August 1		MS to forward S-11 updates to MICC technical coordinator for incorporation into Region B, S-11 to IHB, to include new Pacific INT scheme.
August 22		MICC technical coordinator to forward S-11 updates to IHB, to include Pacific INT scheme.
September 26	Provide initial draft of Report for review at the next Conference Call	
September 30	In preparation for the quarterly Conference Call, Member States to provide updates to: <ul style="list-style-type: none"> <li>the list in Annex A of the Report of available ENCs</li> <li>resolution of any gaps/overlaps identified in Annex B of the Report.</li> </ul>	In preparation for the quarterly Conference Call, Member States to forward INT Chart metadata and shapefiles for "planned" INT Charts. Member States to propose additional coverage/adjustments for S-11, section B update to MICC
October 8	Hold quarterly follow-up conference call to update/review and discuss MS input in preparation of 15th MACHC	
November 7	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call	
November 7	Provide all updates to Leland (for the Annexes of the Report)	
November 14	All Members provide final comments on the Report to MICC Chair	
November 21	Submit Final Report to MACHC	
Nov/Dec 2014	Seek approval of Final Report at 15 <sup>th</sup> MACHC Meeting	
December 31	MACHC Chair to distribute Final Report of the Status of ENC Coverage for the MACHC Region to the IRCC and IHB	