



INTERNATIONAL HYDROGRAPHIC ORGANIZATION  
MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC  
COMMISSION



**MACHC Integrated Chart Committee**  
**Wednesday, 19 March 2014 – Conference Call**

1. Commencement of Call:

a. Welcome & Introductions: The Chair of the MICC, John Nyberg, opened the Conference Call with introductions of participants. The following participated in the call:

- |                              |                            |
|------------------------------|----------------------------|
| i. Yann Keramoal (France)    | v. Leland Snyder (US)      |
| ii. Jan Schaap (Netherlands) | vi. John Nyberg (US)       |
| iii. Ian Spurway (UK)        | vii. Erich Frey (US)       |
| iv. Anthony Klemm (US)       | viii. Jennifer Walden (US) |

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

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

2. MICC Organization:

- a. It was indicated that Erwin Wormgoor (Netherlands) has retired and is no longer participating in this group. The Participants List will be adjusted accordingly.
- b. Approval of Minutes from 9 December MICC Meeting (St Maarten): Jan Schaap noted that the Netherlands had submitted comments to the minutes. Erich Frey noted that these comments were incorporated into the final minutes which are available at: [http://www.iho-machc.org/documents/micc/MICC\\_Minutes\\_Dec\\_09\\_2013.pdf](http://www.iho-machc.org/documents/micc/MICC_Minutes_Dec_09_2013.pdf). The minutes were then approved with no further comments.
- c. MICC Administrative Actions:  
There were no outstanding MICC Administrative Actions.

3. Risk Assessment methodology:

John Nyberg introduced this topic, noting that this had been a subject of discussion at the December Meeting. John commented on both the IALA effort as well as the more sophisticated New Zealand (Vanuatu) model. He further noted that IALA had provided access to IWRAP (*modeling tool useful for maritime risk assessment*) information. At this point, Anthony Klemm provided a short PowerPoint presentation and discussed some of the findings of both the IALA and the New Zealand projects. He noted that the IALA Risk Model looked at localized, high traffic areas. John suggested that the MICC may want to look into running such an analysis in some of the MACHC area “choke” points. Anthony continued to discuss the New Zealand Model, which is more sophisticated and involves more resources.

The New Zealand effort was primarily in response to increased Cruise Ship traffic calling on some of the newer island destinations.

John Nyberg suggested that the MICC reach out to other MACHC Members, especially Mexico to gain support for expanding such Risk Assessment efforts.

**Action 3.1: John Nyberg to contact other MACHC Members (individually) to gain support for expanding Risk Assessment efforts in the MACHC.**

4. Ports Analysis Coverage:

John Nyberg indicated that he had contacted CLIA (*Cruise Lines International Association*) and provided them with our list of Priority Ports. At this time we are awaiting a response from CLIA. Leland Snyder noted Action 4.7 (UK to provide an update to the Ports Analysis), where the UK had provided a list of major or priority ports in the MACHC Region and noted that the number of priority ports have since increased. Ian Spurway (UK) indicated that input from CLIA will be invaluable. He further stated that the UK is also in contact with some of the Cruise Lines as noted in Action 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). Both Action 4.7 and Action 6 have been designated as "On-going". The full list of Actions is provided as Annex A. The Chair noted that it takes some relationship building to gain support from some of these organizations. Ian Spurway agreed that this is not a fast moving activity. It was determined that the MICC continue to work with CLIA and in conjunction with the analysis of AIS data derive an updated list of Priority Ports.

**Action 3.2: Continue to work with CLIA (US) and Cruise Lines (UK) and make uses of AIS data to derive an updated list of Priority Ports.**

5. INT Charts:

a. Review of INT Chart Actions:

- i. Action 12 (Venezuela and UK to review limits for INT 4102) continues to be **on-going**. A meeting with Venezuela was in progress while we were engaged in this conference call.
- ii. Action 4.1 (UK to contact Colombia regarding the overlap and paper size of INT Charts 4025 and 4011) continues as **on-going**. (Colombia was not able to participate in today's Conference Call.

Ian Spurway (UK) addressed this issue and indicated that it will take a while to make others aware of the S-11 standards and understand the concerns if they are not observed. John Nyberg noted that NOAA plans to produce INT 4149 within the next year. This chart was earlier transferred from Cuba.

- b. Updates to Current INT Chart Coverage: There were no further updates to the current MACHC INT Chart Scheme. However, it was noted that the Mexico INT Chart Scheme will have to be added to the IHO publication, S-11. It was also mentioned that we need to determine the procedure on how to provide input into S-11.

Ian Spurway (UK) expressed concern that the Mexico INT Chart Scheme may not meet S-11 guidelines, especially regarding the A0 paper size and mid-latitude and scaling issues.

As this may now be a difficult situation because the Mexico Scheme was accepted and endorsed by the full MACHC at the 14<sup>th</sup> MACHC in St. Maarten, it was suggested that the UK contact Mexico directly with any concerns. Ian further noted that he had just recently received a detailed proposal from Mexico and would like some additional time to fully assess the scheme.

John Nyberg suggested we submit the Mexico Scheme to CSWP for review and/or comments.

6. Electronic Charts:

a. Review of Electronic Chart Actions:

- i. Action 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) continues as **on-going**. (See also comments in item “4” above.)
- ii. Action 4.4 (Venezuela to provide update on the progress of ENC development in the Orinoco River area) remains as **on-going** since Venezuela was unable to participate in this Conference Call. Ian Spurway stated that ENC coverage in the Orinoco River is handled by a separate organization within Venezuela.
- iii. Action 4.7 (UK to provide an update to the Ports Analysis) continues as **on-going**. See also comments in item “4” above)
- iv. Action 1.1 (Brazil to forward metadata on the 31 ENCs covering the Amazon River) is **completed**.
- v. Action 1.2 (UK to provide required data for UB 3 cells to Cuba) has been **overtaken by events**. Ian Spurway indicated that there were some accuracy issues and that Tim Lewis is trying to arrange a meeting in Cuba to resolve these issues.

b. Cruise Lines Requests/Private Sources for ENCs: Ian Spurway (UK) indicated that coverage of Golfo, Costa Rica (Chart 2493) will be available soon in both paper and ENC forms. Coverage of Roatan, Honduras (Chart 503) is available as of March 6 and the ENC will follow within a week to 10 days. Surveys in Half Moon Cay are underway and the ENC is anticipated by year end. There were no updates for Castaway, Stirrup and Coco Cays, as assessments of CLIA requirements are still in progress.

c. Annex A: Details of Annex A were not discussed since the countries with outstanding issues were unable to participate in the Conference Call.

d. Annex B: Leland Snyder indicated that a great many overlap issues have been resolved to date. However some new overlaps will be created due to the release of the new Haitian ENCs. Leland Snyder indicated that gaps are being addressed but that we are still having communication challenges with Cuba and Venezuela. Ian Spurway (UK) already addressed the gap in coverage of Roatan Island in paragraph “b” above.

At this point John Nyberg noted that the US produced 4 ENCs of Panama. Additionally, the US is producing 6 ENCs of Haiti, 4 of which have been completed and will be available soon. Finally, the US had a very fruitful meeting with Haiti and is in the final stages in finalizing an agreement to distribute the Haitian ENCs.

- e. Updates on RENCs: The Chair noted that the WEND meeting is in progress now in Brazil. Leland Snyder noted that with the release of the Haitian ENCs, two new overlaps in Cap Haitian (GB40465A) and Port-au-Prince (GB400466) will be created with existing UK ENCs. This will need to be resolved and it was suggested that the UK contact NGA (Jim Rogers) directly.

**Action 3.3: The UK and NGA (Jim Rogers) establish contact to address the overlap of the two Haitian cells, GB40465A and GB400466.**

7. MICC Work Plan for 2014:

The addition to reach agreement on a Risk Assessment Methodology in the Work Plan was noted. No other adjustments were made. As this topic was discussed, participants were asked to provide comments on the Risk Assessment Models discussed under Agenda item 3 and to forward them to Anthony Klemm at [Anthony.R.Klemm@noaa.gov](mailto:Anthony.R.Klemm@noaa.gov).

**Action 3.4: Participants to forward comments on the Risk Assessment Models discussed under Agenda Item 3.**

Ian Spurway inquired about the availability of the AIS data. The Chair responded that the raw data could not be made available, but derived products may be acceptable.

8. Other Business:

The Chair noted that he would like more active participation in these conference calls and asked that today's participants help with that challenge.

- 9. Adjourn: The Conference Call adjourned at 11:45 EDT. The next conference call is scheduled for June 18, 2014.

## SUMMARY OF ACTIONS

## Annex A

<b>INT Chart Actions</b> carried forward from MICC Meeting (November 2012)			
#	Action	Who	Status
12	Venezuela and UK to review limits for INT 4102.	Venezuela, UK	On-going
<b>INT Chart Actions</b> carried forward from Oct 23 MICC Conference Call			
4.1	UK to contact Colombia regarding the overlap and paper size of INT charts 4025 and 4011.	UK	On-going

<b>ENC Actions</b> carried forward from MICC Meeting (November 2012)			
#	Action	Who	Status
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>ENC Actions</b> carried forward from Oct 23 MICC Conference Call			
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	On-going
<b>“NEW” ENC Actions</b> from 19 March MICC Conference Call			
3.1	John Nyberg to contact other MACHC Members (individually) to gain support for expanding Risk Assessment efforts in the MACHC.	US	June 2014
3.2	Continue to work with CLIA (US) and Cruise Lines (UK) and make uses of AIS data to derive an updated list of Priority Ports.	UK	June 2014
3.3	The UK and NGA (Jim Rogers) establish contact to address the overlap of the two Haitian cells, GB40465A and GB400466.	UK/US	June 2014
3.4	Participants to forward comments on the Risk Assessment Models discussed under Agenda Item 3.	All MICC Participants	June 2014

**Meso American & Caribbean Sea  
Hydrographic Commission  
MICC – Members  
(as of March 19, 2014)**

COUNTRY	MEMBER	E-MAIL
BRAZIL:	Paulo Matos	<a href="mailto:paulo.matos@chm.mar.mil.br">paulo.matos@chm.mar.mil.br</a>
	Nickolás de Andrade Roscher	<a href="mailto:nickolas.roscher@dhn.mar.mil.br">nickolas.roscher@dhn.mar.mil.br</a>
	Carlos Medeiros de Albuquerque	<a href="mailto:albuquerque@dhn.mar.mil.br">albuquerque@dhn.mar.mil.br</a>
COLOMBIA:	Jair Rodriguez	<a href="mailto:JrodriguezAyala@dimar.mil.co">JrodriguezAyala@dimar.mil.co</a>
	Ricardo Molares	<a href="mailto:jefcioh@dimar.mil.co">jefcioh@dimar.mil.co</a>
CUBA:	Ramón Padrón Díaz	<a href="mailto:hq@unicom.co.cu">hq@unicom.co.cu</a>
	Iván Kárel Sosa Chongo	<a href="mailto:avisosshg@emarineros.geocuba.cu">avisosshg@emarineros.geocuba.cu</a>
FRANCE:	Eric Langlois	<a href="mailto:eric.langlois@shom.fr">eric.langlois@shom.fr</a>
	Yann Keramoal	<a href="mailto:yann.keramoal@shom.fr">yann.keramoal@shom.fr</a>
	Serge Lannuzel	<a href="mailto:serge.lannuzel@shom.fr">serge.lannuzel@shom.fr</a>
	Yves Guillam	<a href="mailto:yves.guillam@shom.fr">yves.guillam@shom.fr</a>
MEXICO:	José Rafael Díaz Guzmán	<a href="mailto:subhidroycartomx@gmail.com">subhidroycartomx@gmail.com</a> <a href="mailto:asunext.hidro@gmail.com">asunext.hidro@gmail.com</a>
	Capitán de Fragata CG Israel Beltran Hernandez	<a href="mailto:depto.gyudas.nav@gmail.com">depto.gyudas.nav@gmail.com</a>
	Capitán de Fragata CG. EHC Manuel Ricardo López Cruz	<a href="mailto:direccion.hidrografia.mexico@gmail.com">direccion.hidrografia.mexico@gmail.com</a> <a href="mailto:asunext.hidro@gmail.com">asunext.hidro@gmail.com</a>
	Capitán Corb. CG Francisco Castillo Tepio	<a href="mailto:subdirlevhidro@gmail.com">subdirlevhidro@gmail.com</a> <a href="mailto:asunext.hidro@gmail.com">asunext.hidro@gmail.com</a>
	Alexander Fonseca Cardenas	<a href="mailto:asunext.hidro@gmail.com">asunext.hidro@gmail.com</a>
NETHERLANDS:	Jan Schaap	<a href="mailto:J.Schaap.01@mindef.nl">J.Schaap.01@mindef.nl</a>
	Arno Meurink	<a href="mailto:AW.Meurink@mindef.nl">AW.Meurink@mindef.nl</a>
SURINAME:	Freddy Delchot	<a href="mailto:fdelchot@mas.sr">fdelchot@mas.sr</a>
	Bernice Mahabier	<a href="mailto:bmahabier@mas.sr">bmahabier@mas.sr</a>
UNITED KINGDOM:	Ian Spurway	<a href="mailto:Ian.Spurway@ukho.gov.uk">Ian.Spurway@ukho.gov.uk</a>
	Paul Barrett	<a href="mailto:paul.barrett@ukho.gov.uk">paul.barrett@ukho.gov.uk</a>
	Tim Lewis	<a href="mailto:Tim.Lewis@ukho.gov.uk">Tim.Lewis@ukho.gov.uk</a>
UNITED STATES:	Jim Rogers	<a href="mailto:James.E.Rogers@nga.mil">James.E.Rogers@nga.mil</a>
	John Nyberg	<a href="mailto:John.Nyberg@noaa.gov">John.Nyberg@noaa.gov</a>
	Leland Snyder	<a href="mailto:Leland.Snyder@noaa.gov">Leland.Snyder@noaa.gov</a>
	Anthony Klemm	<a href="mailto:Anthony.R.Klemm@noaa.gov">Anthony.R.Klemm@noaa.gov</a>
	Erich Frey	<a href="mailto:Erich.Frey@noaa.gov">Erich.Frey@noaa.gov</a>
VENEZUELA:	Henry DeGouveia	<a href="mailto:dhnasuntosinterinstitucionales@gmail.com">dhnasuntosinterinstitucionales@gmail.com</a>
	Jonny Vera	<a href="mailto:jonnyverag@gmail.com">jonnyverag@gmail.com</a>
	Luis Pibernat	<a href="mailto:luispibernat@gmail.com">luispibernat@gmail.com</a>
	Willner Pino	<a href="mailto:willnerjesus@hotmail.com">willnerjesus@hotmail.com</a>
	Arennis Zabala	<a href="mailto:arenniszabala@gmail.com">arenniszabala@gmail.com</a>
	Pablo Rodriguez	<a href="mailto:pablofrp@gmail.com">pablofrp@gmail.com</a>

Technical and Communications Support		
Title	Name	Email
Technical Coordinator, ECC	Leland Snyder	<a href="mailto:leland.snyder@noaa.gov">leland.snyder@noaa.gov</a>
Communications Support	Erich Frey	<a href="mailto:erich.frey@noaa.gov">erich.frey@noaa.gov</a>

**MACHC International Chart Coordination Working Group**

**DRAFT**

**Proposed 2014 Work Plan Milestones**

<b>DELIVERY DATE (2014)</b>	<b>ACTIONS</b>	
	<b>Electronic Chart Activities</b>	<b>INT Chart Activities</b>
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.	
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.



<b>DELIVERY DATE (2014)</b>	<b>ACTIONS</b>	
	<b>Electronic Chart Activities</b>	<b>INT Chart Activities</b>
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 ENC's</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	