

INTERNATIONAL HYDROGRAPHIC ORGANIZATION MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION



### MACHC Integrated Chart Committee Wednesday, 10 December 2014 – Meeting Manzanillo, Colima, Mexico

- 1. <u>Commencement of Meeting:</u>
  - a. <u>Welcome & Introductions</u>: The Chair of the MICC, John Nyberg, opened the Meeting at about 11:15 at the Instituto Oceanográfico del Pacifico, in Manzanillo, México by introducing himself as well as Paulo Matos (Brazil) as the Vice Chair. As this was held in an auditorium, it was difficult to go through formal introductions. Similarly, the list of participants could not be reviewed. However, many of the participants of the MEIP group, who met just prior to the MICC, remained.

A list of previous MICC Participants is provided as Annex B.

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

### 2. MICC Organization:

- <u>Participants List:</u>
   There were no updates to the MICC Participant List. (See Annex B).
- <u>Approval of Minutes from 18 June MICC Conference Call:</u> As there were no additional comments to the previous minutes, they were approved with no further adjustments.
- c. <u>MICC Administrative Actions:</u> There were no outstanding MICC Administrative Actions.

### 3. <u>Risk Assessment Methodology:</u>

The Risk Assessment Methodology discussed at the June 18 MICC Conference Call did not generate much follow-up interests. It was noted that Anthony Klemm had conducted an analysis using IALA's IWRAP (IALA Waterway Risk Assessment Program), a modeling tool useful for maritime risk assessment. Additionally John Nyberg noted that the group also looked at the New Zealand study in Vanuatu. Both studies were useful but labor intensive, especially the latter which requires significant ground support, which we are unable to support. Because the group is getting no traction on advancing these studies and since this cannot be done from a desk in an office, but requires people on the ground, the group decided that this activity should be frozen for the time being. The Netherlands inquired

what the purpose of the MICC study was. It was noted that it could be used to determine where further resources allocations are needed. The UK added that the Vanuatu study was quite useful in that it indicated the need for better data. The Netherlands indicated that they had some involvement with Risk Assessment methodologies and would be willing to share their experiences.

<u>Action 12.1:</u> The US (NOAA) and the Netherlands to communicate regarding sharing risk assessment methodologies. (Anthony Klemm/Leeandert Dorst)

Anthony Klemm indicated that the IALA risk assessment worked great, indicating average numbers of groundings and/or collisions which might be expected. Stephen Bennett (IALA) noted that the next course in IWRAP will be in Singapore in September 2015.

#### 4. Port Analysis:

Anthony Klemm continued with a discussion on a recent Port Analysis, resulting in useful information to determine an assessment of gaps in coverage of Ports. This new approach was performed by using AIS data for major passenger ship Ports of Call, and determining if Band 4, 5, or 6 coverage was available in those locations. Essentially, the plan was to determine where Cruise Ships are going. The result yielded 27 Ports which do not have Band 4, 5, or 6 coverage. It was stated that the MICC needs to be aware of this situation to properly address this issue. Anthony further indicated where significant Ports were not covered and noted that the Grenadines had no coverage at all. After some further discussion it was proposed that the MICC implement this improved analysis to identify Ports lacking coverage to ensure safe navigation in these locations. It was further suggested that this approach to assess Port coverage be added to the 2015 Work Plan.

Action 12.2: The US (NOAA) to add the recommendation to use the AIS assessment to determine adequate Port coverage to the 2015 MICC Work Plan. (Erich Frey)

As this initial AIS data was for Cruise vessels, there was an inquiry as to whether data exists for vessels other than Cruise vessels.

<u>Action 12.3</u>: The US (NOAA) to explore if AIS data for other than Cruise vessels is available. (Anthony Klemm)

France inquired if this Ports list would be provided to the WEND. The answer was affirmative. John Nyberg added that if the group agreed with this methodology, he would schedule a meeting with CLIA for further deliberations.

# <u>Action 12.4</u>: The US (NOAA) to schedule a meeting with CLIA to discuss the Port analysis. (John Nyberg)

It was also suggested that we break down this list to develop a country by country list. <u>Action 12.5</u>: The US (NOAA) to develop a country by country list of Ports lacking large scale coverage. (Anthony Klemm)

### 5. INT Charts

### Review of INT Chart Actions:

- i. Action 12 (Venezuela and UK to review limits for INT 4102) remains on-going. Chris Thorne (UK) reported that Venezuelan personnel were meeting in the UK this week with a possible resolution. Chris further indicated that Venezuela would like further information and that they are waiting for validation and approval. Wilner Pino was going to discuss this with the UK, but the issue has not yet been resolved.
- ii. Action 4.1 (UK to contact Colombia regarding the overlap and paper size of INT Charts 4025 and 4011) continues as **on-going**. Chris Thorne added that the overlap issue of INT 4025 and 4011 between the UK and Colombia will require further discussion and consequently this action will remain on-going.
- iii. Action 6.1 (NOAA to send the Risk Assessment presentation (from the March 19 Conference Call) to Brazil.) has been completed.
- iv. Action 6.2 (The Chair, MICC, to forward the most recent Mexican Chart Scheme to the UK.) has been **completed.**
- v. Action 6.3 (John Nyberg to work with Jeff Wooton, CSPCWG, to expedite receipt of the INT Chart numbers for the Mexican chart scheme.) has been **completed.**
- b. Updates to Current INT Chart Coverage:

The INT Chart Scheme submitted by Mexico, has been forwarded to IHO for inclusion in the next issue of S-11. At this time Ricardo Lopez Cruz (Mexico) presented the new suite of INT Charts to the MICC Chair. Further to complete coverage on the Pacific side the UK agreed to convert two of their charts to INT Charts. These are just south of the Mexican coverage and completes INT Chart coverage on the Pacific.

### 6. <u>Electronic Charts:</u>

- a. <u>Review of Electronic Chart Actions:</u>
  - 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) has been **overtaken by events**. Chris Thorne noted a number of updates, including the availability of the ENC covering Half Moon Cay.
  - ii. Action 4.4 (Venezuela to provide update on the progress of ENC development in the Orinoco River area) remains as **on-going.** Venezuela is looking at the coastal area now, but do have a hydrographic office on the Orinoco River. Further they plan to have discussion how to transition from nautical charts to river plans with the assistance of a private contractor.
  - iii. Action 4.7 (UK to provide an update to the Ports Analysis) has been overtaken by events.

- iv. 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) remains as **on-going**.
- v. Action 6.4 (In response to Venezuela's request, the Chair to coordinate training assistance for Inland/River ENC production in the Orinoco River.) has been **completed.**
- vi. Action 6.5 (The Chair to arrange a US/UK Conference call with CLIA to discuss data requirements) has been **overtaken** by Action 12.4.
- vii. Action 6.6 (NOAA to provide support (to Ian Spurway) for using AIS data to analyze cruise ship traffic in/out of ports, especially those that do not have adequate ENC coverage (Band 4 or 5) is **completed.**
- viii. Action 6.7 (Ian Spurway (UK) to forward the shapefiles for GB201966 to Anthony Klemm.) has been **completed.**
- ix. Action 6.8 (Ian Spurway (UK) to forward the geographic limits (shapefiles) for the Cuban cells to Anthony Klemm.) has been **completed.**
- x. Action 6.9 (Anthony Klemm to send list of newly published Mexico cells to request information to update MACHC GIS.) has been **completed.**
- Action 6.10 (Anthony Klemm to follow-up via e-mail to clarify the switched cell name issue with Wilner Pino (Venezuela) – VE500104 and VE500105.) has been completed.
- xii. Action 6.11 (Anthony Klemm to send the shapefiles of all Venezuelan cells to Venezuela.) has been **completed.**
- xiii. Action 6.12 (John Nyberg to develop a proposal for the MACHC on a Regional ENC Online for the MACHC.) has been **completed.**

The Chair indicated that a final list of outstanding actions would be made available as Annex A to this summary.

- b. <u>Cruise Lines Requests/Private Sources for ENCs:</u> This is discussed under the Action Items above.
- c. <u>Annex A:</u> Anthony Klemm presented and discussed Annex A of the report, the tabulation of available ENCs and those expected to be available in the future.
- d. <u>Annex B:</u> This Annex details of Annex B covering gaps and overlaps. As the methodology for this exercise is being revised by the Ports Assessment analysis covered in Item 4, above, the Chair recommended that everyone meet with Anthony to ensure that all the updated information is in hand for publication in the Annexes.
- e. <u>Updates on RENCs</u>: There were no updates on arrangements with RENCs.
- f. <u>ENC On-Line</u>: The Chair introduced plans for an ENC On-Line, a cloud-based data store house where the .000 files would be housed in the cloud and be available for planning purposes only. It would provide screen captures of the ENCs. It can NOT be downloaded and does NOT fulfill chart carriage requirements for regulated commercial vessels, but is useful for reference purposes, planning and GIS applications. The current NOAA ENC On-Line is available at: <u>http://www.nauticalcharts.noaa.gov/ENCOnline/</u>.

John asked everyone to look at the website, which can serve as a medium to provide data for the region. The Chair proposed that a start would be loading all Band 1 coverage for the MACHC Region as a way forward.

James Harper inquired as to the purpose of this approach. The reply was to serve as a GIS layer. France noted that there are existing similar services. There was also a suggestion that the MICC take the ENC On-Line on in conjunction with the MEIP and/or possibly take it on jointly. France added that it would be useful to have a catalog available for Region B, and that perhaps the ENC On-Line would be useful to the development of a catalog.

# <u>Action 12.6:</u> In coordination with MEIP, the US (NOAA) to investigate the development of a catalog for Region B and how ENC On-Line can support this effort. (John Nyberg/Anthony Klemm)

### 7. MICC Work Plan for 2015:

John Nyberg noted that a Work Plan will be developed based on these discussion and any follow-up in Plenary.

### Action 12.7: The US (NOAA) to develop a MICC Work Plan for 2015. (Erich Frey)

### 8. Other Business:

Chris Thorne thanked the Chair, John Nyberg on today's useful discussions. Paulo Matos added that Brazil will soon develop Inland ENCs. Chris Thorne noted a workshop in Peru, which would impact Brazil, Suriname, Colombia, and Venezuela.

Finally, after discussions on whether Inland ENCs should be included, it was decided that it would be appropriate to do so.

### 9. Adjourn:

The Meeting adjourned at 12:45. The next conference call is scheduled for March 25, 2015.

"New" General & Administrative Actions from 10 December 2014 MICC Meeting			
#	Action	Who	Status
12.1	The US (NOAA) and the Netherlands to communicate regarding sharing risk assessment methodologies.	Anthony Klemm/ Leeandert Dorst	
12.2	The US (NOAA) to add the recommendation to use the AIS assessment to determine adequate Port coverage to the 2015 MICC Work Plan.	Erich Frey	Dec 31
12.3	The US (NOAA) to explore if AIS data for other than Cruise vessels is available.	Anthony Klemm	March 15
12.4	The US (NOAA) to schedule a meeting with CLIA to discuss the Port analysis.	John Nyberg	
12.5	The US (NOAA) to develop a country by country list of Ports lacking large scale coverage.	Anthony Klemm	

	<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
INT Chart Actions 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
"NEW" INT Chart Actions from 10 December 2014 June MICC Meeting			
	No new actions specifically associated with INT Charts		

ENC Actions carried forward from Oct 23 MICC Conference Call				
#	Action	Who	Status	
4.4	Venezuela to provide update on the progress of ENC development in the Orinoco River area.	Venezuela	On-going	
	ENC Actions carried forward from 19 March MICC Conference Call			
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	On-going	
ENC Actions carried forward from 18 June MICC Conference Call				
6.5	The Chair to arrange a US/UK Conference Call with CLIA to discuss data requirements.	John Nyberg	Overtaken by Action 12.4	
	"NEW" ENC Actions from 10 December MICC Meeting			
12.6	In coordination with MEIP, the US (NOAA) to investigate the development of a catalog for Region B and how ENC On-Line can support this effort.	John Nyberg/ Anthony Klemm	Oct 7	
12.7	The US (NOAA) to develop a MICC Work Plan for 2015.	Erich Frey	Dec 31	

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# MACHC International Chart Coordination Working Group

## DRAFT Proposed 2015 Work Plan Milestones

DELIVERY	ACTIONS		
DATE (2015)	Electronic Chart Activities	INT Chart Activities	
January 31	Member States to provide updates based on discussions from the Dec 10, 2014 MICC meeting on plans to address gaps in ENC coverage within their area.	Member States to provide updates based on discussions at the Dec 10, 2014 MICC on plans to provide INT Chart metadata (as noted in S-11) for existing (available) INT Charts for use in GIS	
March 6	<ul> <li>In preparation for the quarterly Conference Call, Member States to provide updates to:</li> <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 6	Fully implement the newly proposed Port Analysis to determine adequate ENC coverage (Bands4, 5, and 6) for Cruise Vessels. Investigate expanding to include other vessel types.		
March 25	Hold quarterly conference call to assess status and next steps		
April 13	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call.		
May 1	Based on MS, support of the Ports Analysis, schedule a meeting with CLIA to share results and attain CLIA confirmation of this list of Ports and/or potentially add or delete Ports.		
May 29	In preparation for the quarterly Conference Call, Member States to provide updates to: • the list in Annex A of the Report of available ENCs • resolution of any gaps/overlaps identified in Annex B of the Report.	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 17	Hold quarterly conference call to assess status and prepare information as needed for subsequent communication to IRCC and IHB.		
July 10	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call.		

DELIVERY	ACTIONS		
DATE (2015)	Electronic Chart Activities	INT Chart Activities	
July 24	Investigate and provide results of investigation on the use of ENC On-Line for use in developing a MACHC Catalog. Work with MEIP on implementation.		
August 1		MS to forward S-11 updates to MICC technical coordinator for inclusion for Region B, S-11.	
August 22		MICC technical coordinator to forward S-11 updates to IHB, to include Pacific INT scheme.	
September 25	Provide outline of Report for review at the next Conference Call.		
September 25	<ul> <li>In preparation for the quarterly Conference Call, Member States to provide updates to:</li> <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 7	Hold quarterly follow-up conference call to update/review and discuss MS input in preparation for the 16th MACHC.		
November 6	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call.		
November 6	Provide all updates to the Technical Coordinator for the Annexes of the Report.		
November 13	All Members provide final comments on the Report to MICC Chair.		
November 27	Submit Final Report to MACHC.		
Nov/Dec 2014	Seek approval of Final Report at 16 <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.		