## INTERNATIONAL HYDROGRAPHIC ORGANIZATION

MACHC

# MACHC Integrated Chart Committee <br> Wednesday, 20 November 2012 - Antigua, Guatemala 

1. Welcome \& Introductions: The Chair of the MICC, Katie Ries, opened the meeting with a welcome and approval of the agenda. Introductions were made at the MACHC earlier in the day. The following participants were in attendance:
a. Paulo Matos (Brazil)
b. Dagoberto David Viteri (Colombia)
c. Capitän de Fragata Armando Delisa (Colombia)
d. Eric Langlois (France)
e. Tyrone Rine Hidalgo (Guatemala)
f. Edwynn Alejandro Raxon (Guatemala)
g. Calvin Thompson (Jamaica)
h. Cynthia Edwards (Jamaica)
i. Manuel Ricardo López Cruz
(México)
j. Peter Kortenoeven
(Netherlands)
k. Freddy Delchot (Suriname)
I. Suruj Badwah (Trinidad and Tobago)
m. Ian Spurway (UK)
n. Katie Ries (US)
o. Leland Snyder (US)
p. John Nyberg (US)
q. Manuel Bordones (Venezuela)
r. Luis Pibernat (Venezuela)
s. Serge Mitton (Haiti)
t. Wayne Edmeade (St Kitts and Nevis)
u. Anthony Beimar (Grenada)
v. Troy Clark (Guyana)
w. Mike Kucharski (Celebrity Cruises)
x. Alberto Costa Neves (IHO)
2. Approval of the Agenda: As no further comments were made on the Agenda, it was accepted as presented.
3. Review of Actions from October 3: The actions from the October conference call were reviewed and it was determined that work items were, for the most part, included in the ongoing action list. The group agreed to move on the MACHC Action list.
4. Review INT Chart Actions from last MACHC Conference: The INT Chart Actions were reviewed and the group agreed that agenda item 5 would cover all of the action items specified in the Action list.
5. INT Chart current coverage status: The group's Technical Coordinator, Leland Snyder, started by explaining how the INT chart GIS was created and how it will be used. He explained that the information reflected in the GIS was extracted directly from IHO publication S-11 and that updates that had been submitted by member states were applied. Mr. Snyder explained how the GIS could be used to examine the age of INT charts by using the latest print dates and that it will be used to update S-11. There was a request to have the ENC usage bands added to the GIS. The group agreed that action 12.4.1 was underway through the implementation of the GIS.

## ACTION: MICC Technical Coordinator to look into adding ENC usage band column to INT Chart GIS.

Mr. Nyberg (USA) then introduced the process for updating S-11 to the group as explained to him by the IHO. 1) Get agreement by the MACHC Charting Committee. 2) Present the Committee's recommendations to the MACHC. 3) If accepted the IHO recommended having the CSPCWG review the scheme changes. 4) Changes should be submitted by the MACHC Charting Committee Chair to the IHO for addition to S-11.

Mr. Lopez (Mexico) introduced a significant S-11 update, based on national coverage, to the Pacific Coast of Mexico. The group agreed to the Mexican addition, but there was some discussion about overlap between Mexico and the UK INT requiring some follow-up. Action 12.4.2 was considered acted upon after Mr. Lopez's report.

ACTION: 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.

It was also noted that overlaps exist between other countries in the region, including a very significant overlap between Colombia and the UK, charts 4025 and 4011. Both countries and the group agreed that the overlaps were not a major concern but that they should be discussed because of the potential to reduce work done by both countries.

ACTION: Colombia and UK explore need to reduce major overlap between charts 4025 and 4011.

Mr. Nyberg (USA) then introduced a series of small changes to the US INT chart scheme. The changes will reflect national coverage in the Gulf of Mexico and will include one new chart (4149) that Cuba has officially turned over to the US. The group agreed to accept the current national scheme as the new INT chart scheme. Mr. Nyberg requested that the current NOAA charts assume INT numbers without conforming to INT standards. The group denied this request and insisted that NOAA build the new INT charts using $\mathrm{S}-4$ as a guide. NOAA agreed but noted that they would not be able to use the specified INT paper size. The discussion continued about how a chart will be accepted as S-4 compliant. Captain Costa Neves (IHO) pointed out that the group should be concentrating on the scheme and the benefit to the mariner. This led the group to conclude that the INT chart scheme should be adjusted to incorporate the
boundaries of national charts to avoid duplicative production of national and INT charts and realize efficiencies. The group also agreed that it was up to the producing hydrographic office to build charts according to S-4.

ACTION: As National Charts are updated to meet S-4 standards, their status will be updated in S11. National hydrographic offices are responsible to ensure that S-4 standards are properly applied to INT charts.

Venezuela, Suriname and Colombia then added that they have some additions to S-11 and would be able to help fill in some gaps by using national coverage as INT. The UK noted that Venezuela's proposed scheme would leave a gap if the boundary of 4102 is moved. The UK currently produces 4102.

ACTION: Venezuela and UK to review limits for INT 4102.

ACTION: Incorporate new INT Chart scheme, based on national coverage, for Mexico, Nicaragua and Colombia in the Pacific and Suriname, Venezuela and the US in the Caribbean. All countries are to provide limits and S-11 information to the MICC Technical Coordinator for update to the MICC GIS. The new scheme will be incorporated into the MICC GIS, reviewed by the MICC, and submitted to the CSPCWG and the IHO to change S-11.

The group discussed action 12.4.5 and was not sure who was responsible for accepting the charts from Cuba other than chart 4149 (US). France withdrew consideration for adopting any of charts from Cuba but said that they would check to see if they had any current coverage in Haiti that could have been proposed as a substitute for one of the Cuban charts

ACTION: Group chair will contact Cuba regarding transfer of charts from Cuba to France, UK, Mexico. It is unclear which charts other than 4149 are to be transferred and who will assume responsibility.

The group discussed the possibility and benefits to the mariner of having a catalog of chart coverage (beyond S-11) in the area. The group agreed that the idea has merit and should be further investigated.

ACTION: MICC will explore possibilities for producing an on-line regional catalog that includes all national coverage in the MACHC region.
6. Review ECC Actions from last MACHC Conference: Ms. Ries began the ECC discussion by reminding the committee that the actions for the ECC are all ongoing. Ms. Ries noted the significant progress in addressing overlaps and gaps - 16 of 24 issues have been resolved and are reflected in Annex B of the ENC Coverage Report. Ms. Ries reminded member states to provide a reply to CL51. Ms. Ries reported the US progress in building new ENCs for the

ACTION: US to provide update on production of new ENCs in the Panama Canal.
ACTION: MICC to continue to monitor and update Region B ENC scheme for all Usage Bands, per the current workplan of MACHC MICC.

ACTION: MICC to continue to update resolution of overlaps and gaps as reflected in the ECC Regional Coverage Report Annex A and B.

Mr. Pibernat (Venezuela) and Mr. Viteri (Colombia) gave a report on their meeting to resolve a longstanding ENC overlap issue. The meeting was held in Cartagena, Colombia, and the two countries came to an early consensus on how to resolve the overlap for charts CO300026 and VE300100. Similar agreements were reached between Venezuela and France and Venezuela and The Netherlands. They were commended by the group (and subsequently in the MACHC plenary) for their success in bringing these issues to satisfactory conclusion.

Mr. Spurway (UK) reported on the UK's plan to produce large scale coverage of Charco Azul, Panama and Roatan, Honduras. The UK agreed to send the projected M-covr to Mr. Snyder.

ACTION: UK will forward projected M_COVR for Charco Azul and Roatan to MICC Technical Coordinator for update to MICC GIS. Charts will be based on GB charts 503 and 2493.

ACTION: UK to provide update on anticipated production date of ENCs for Charco Azul and Roatan.

Mr. Kucharski (Celebrity Cruises) voiced his concern regarding gaps of ENC coverage in the region and the availability of alternate sources of data for ENC coverage. Mr. Kucharski agreed to provide a list of cruise line priority ports for the MACHC and other RCHs. In conjunction with this discussion the group noted the gaps in coverage around Cuba, particularly in the Straits of Florida.

ACTION: Provide list of Cruise Line priority ports for the MACHC and other RHCs for consideration by respective charting groups.

ACTION: 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.
7. Confirm availability dates of planned ENCs (Annex A of ENC Coverage Report) - Annex A was reviewed and approved by the Committee.
8. Review outstanding overlaps/gaps ENC's (Annex B of ENC Coverage Report) - Annex B was reviewed and approved by the Committee. The Committee noted that the majority of missing coverage was around Cuba. During plenary Robert Ward (IHB) agreed to discuss the gaps in coverage with Cuba at the IMO.
9. The group agreed to the acronym change of the group from MACICCWG to the MICC and its reflection in the Terms of Reference (attached). The group also supported the US and Brazil as the new Coordinator and Vice-Coordinator and the updated MICC membership. The following results of the meeting were reported to the MACHC Plenary by outgoing Chair Katie Ries.
a. Work Plan (attached)
i. Annual progress report of ENC and INT coverage
ii. Updated S-11
b. MACICCWG Organization
i. Confirm membership
ii. Terms of Reference
iii. Coordinator and Vice-Coordinator selection
10. Any other business
11. Plenary Summary - The MACHC Plenary agreed to
a. Endorse proposed changes to INT chart scheme and S-11 Updates
b. Endorse U.S. (John Nyberg) as MICC Coordinator an new MACHC rep to WENDWG
c. Endorse Brazil (Paulo Matos) as Vice-Coordinator
d. Approve the high level Work Plan for 2013
e. Approve minor changes in Terms of Reference to reflect Committee status and new acronym - MACHC Integrated Charting Committee (MICC)

## SUMMARY OF ACTIONS

| \# | Action | Who | Status |
| :---: | :---: | :---: | :---: |
|  | MICC - ENC Actions |  |  |
| 1 | MICC to continue to monitor and update Region B ENC scheme for all Usage Bands, per the current workplan of MACHC MICC. | MICC Members | Ongoing |
| 2 | Continue to update resolution of overlaps and gaps as reflected in the ECC Regional Coverage Report Annex A and B | MICC <br> Members <br> and <br> Technical Coordinator | ASAP |
| 3 | UK will forward projected M_COVR for Charco Azul and Roatan to MICC Technical Coordinator for update to MICC GIS. Charts will be based on GB charts 503 and 2493. | UK, MICC Technical Coordinator | 3/13/2013 |
| 4 | UK to provide update on anticipated production date of ENCs for Charco Azul and Roatan | UK | March 13, 2013 or Until complete |
| 5 | Provide list of Cruise Line priority ports for the MACHC and other RHCs for consideration by respective charting groups | Celebrity Cruise Rep | ASAP |
| 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 | Until complete |
| 7 | US to provide update on production of new ENCs in the Panama Canal | USA | March 13, 2013 or Until complete |
| 8 | In order to create the IHO worldwide ENC database, all ENC producers are encouraged to make their ENCs available to the RENCs, even if they are also distributed by different channels. | MACHC MICC <br> Member <br> States | Ongoing |
| 9 | If Member Countries are unable to complete their ENC coverage, the MACHC, in partnership with appropriate authorities, should consider options to address this situation, in accordance with the IMO ECDIS Requirements and WEND principles. | MACHC MICC <br> Member <br> States | Ongoing |
| 10 | If MACHC Member States are unwilling either to distribute ENCs or to have another country produce for them, the MACHC Chair will inform the Inter-Regional Coordinating Committee (IRCC). The IRCC will take appropriate action with the WEND Working Group, the IHB, and IMO. | MACHC MICC <br> Member <br> States | Ongoing |
|  | MICC - INT Chart Actions |  |  |
| 11 | MICC Technical Coordinator to look into adding ENC usage band column to INT Chart GIS | MICC <br> Technical Coordinator | 12/31/2012 |
| 12 | Venezuela and UK to review limits for INT 4102. | Venezuela, UK | March 13, 2013 or Until complete |


| 13 | Colombia and UK explore need to reduce major overlap between charts 4025 and 4011 | Colombia, UK | ASAP |
| :---: | :---: | :---: | :---: |
| 14 | MICC will explore possibilities for producing an on-line regional catalog that includes all national coverage in the MACHC region. | MICC <br> Members | 3/13/2013 |
| 15 | Include INT charts in National Chart Catalogs according to S4 | MICC <br> Members | Ongoing |
| 16 | Contact Cuba regarding transfer of charts from Cuba to France, UK, Mexico. It is unclear which charts other than 4149 are to be transferred and who will assume responsibility. France wishes to withdraw from consideration of additional coverage. | MACHC Chair with information from MICC Chair | ASAP |
| 17 | Incorporate new INT Chart scheme, based on national coverage, for Mexico, Nicaragua and Colombia in the Pacific and Suriname, Venezuela and the US in the Caribbean. All countries are to provide limits and S-11 information to the MICC Technical Coordinator for update to the MICC GIS. The new scheme will be incorporated into the MICC GIS, reviewed by the MICC, and submitted to the CSPCWG and the IHO to change $\mathrm{S}-11$. | Mexico, Nicaragua, Colombia, Suriname, Venezuela, US, MICC Technical Coordinator | 3/13/2013 |
| 18 | As National Charts are updated to meet S-4 standards, their status will be updated in S-11. National hydrographic offices are responsible to ensure that S-4 standards are properly applied to INT charts. | MACHC MICC <br> Member <br> States | Ongoing |
| 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 <br> Member <br> States | 3/13/2013 |
|  | MICC - Administrative Actions |  |  |
| 20 | All countries to update the list of participants with MICC Technical Coordinator | Mexico, UK, Colombia, Nicaragua | ASAP and ongoing |
| 21 | Update TORs to replace "WG" with "Committee" and "MACCIWG" with "MICC" | MICC Chair | Completed and provided to Secretary |
| 22 | MACHC Chair to communicate new representative to WEND WG | MACHC Chair | ASAP |
| 23 | MICC to decide on new combined format for MICC report to MACHC | MACHC MICC <br> Member <br> States | 5/22/2013 |
| 24 | MICC to provide IHB with briefing concerning Cuban ENC gaps. IHB will engage with Cuba at IMO-MSC and report back to the MACHC. MICC to continue to work with MACHC Chair, the IHO, and other channels toward improving communication with Cuba. | MICC <br> Technical Coordinator, MICC Chair and IHO President | ASAP and ongoing |
| 25 | Access REMPEITC AIS and ship routes to assess regional chart coverage and survey adequacy and related navigation | MICC Chair | 3/13/2013 |


|  | risk |  |  |
| :---: | :--- | :--- | :--- |
| 26 | Provide national response re: CL 51 to IHB | MACHC MICC <br> Member <br> States | ASAP |
| 27 | MICC to provide an updated report to 14th MACHC and <br> MACHC Chair is invited to provide this report to the IHB as <br> the region's contribution to global ENC and INT coverage so <br> that it may be conveyed accordingly to the IMO. | MACHC MICC <br> Member <br> States | 14th MACHC <br> meeting |
| 28 | MICC Technical Coordinator to update MACHC web site by <br> linking to IHO MACHC site where documents for <br> Commission meetings will be hosted. The NOAA website <br> will serve as the archive site for past meeting <br> documentation and Committee working documents. | MICC <br> Technical <br> Coordinator | Ongoing |
| 29 | Expand Work Plan to include review of WEND Principles <br> Implementation Guidelines and Risk Assessment <br> Framework, and explore GIS depiction of survey quality | MICC <br> Coordinator <br> and Vice- <br> Coordinator | ASAP |

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(as of 3 Oct 2012)

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MICC Work Plan

| $\begin{gathered} \hline \text { DELIVERY } \\ \text { DATE } \\ \text { (2013) } \\ \hline \end{gathered}$ | ACTIONS |  |
| :---: | :---: | :---: |
|  | Electronic Chart Activities | INT Chart Activities |
| January 31 | Member States to provide plans to address gaps in ENC coverage within their area. | Member States to provide INT Chart metadata (as noted in S-11) for existing (available) INT Charts for use in GIS |
| March 6 | Member States to provide updates to: <br> - the list in Annex A of the Report of available ENCs <br> - resolution of any gaps/overlaps identified in Annex $B$ of the Report. | Member States to forward INT Chart metadata and shapefiles for "planned" INT Charts |
| March 13 | Hold quarterly conference call to assess status and next steps |  |
| March 27 | Complete follow-up activities from Conferen additional information identified during confe Electronic Chart and INT Chart Report. | e Call. Member States to provide all ence call. Develop plan for coordinated |
| April 5 |  | Member States to propose additional coverage/adjustments for $S$-11, section B |
| May 3 | Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call |  |
| May 10 | Member States to provide updates to: <br> - the list in Annex A of the Report of available ENCs <br> - resolution of any gaps/overlaps identified in Annex $B$ of the Report. | Member States to provide S-11, section B update to MACICCWG |
| May 22 | Hold quarterly conference call to assess status and prepare information as needed for subsequent communication to IRCC and IHB. |  |
| May 29 | Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call |  |
| July 5 |  | Member States to establish a criteria for regional chart catalog |
| July 26 |  | Member States to conduct age analysis of INT charts in region |
| September 30 | Member States to provide updates to: <br> - the list in Annex $A$ of the Report of available ENCs <br> - resolution of any gaps/overlaps identified in Annex B of the |  |

