



**14<sup>th</sup> Meso American & Caribbean Sea Hydrographic  
Commission Meeting  
09- 13 December 2013  
Phillipsburg, Sint Maarten  
List of Actions of the 13<sup>th</sup> Meeting**

| Action          | Agenda Item | Agreements   | Responsible Party                    | Due Date                        | Status   |
|-----------------|-------------|--|--------------------------------------|---------------------------------|--|
| <b>General:</b> |             |  |                                      |                                 |  |
| 14.1.1          | 5           | The MACHC Chair will consult with the Chairpersons of the working groups to determine the MACHC actions for IRCC6  | Chair                                |                                 |  |
| 14.1.2          | 5           | The Chair will consult with IIC Tech. and Brazil to represent the MACHC at the HSSC meetings and report back to the MACHC.   | Chair                                |                                 |  |
| 14.1.3          | 5           | The Chair to request HSSC to approve the support of MSDIWG to the MEIPWG in governance and standards.  | Chair                                |                                 |  |
| 14.1.4          | 5           | The revised WEND Guidelines were approved by the WENDWG and by IRCC5 and will be circulated by the IHB   | IHB                                  |                                 |  |
| 14.1.5          | 5           | MSs to support the new WEND guidelines and the definition of a cartographic boundary that will be circulated by CL.  | MS                                   |                                 |  |
| 14.1.6          | 6           | MSs to identify the needs in training for MSI and report to the CB Coordinator.  | MS                                   |                                 |  |
| 14.1.7          | 6           | Based on the needs, training for MSI can be developed  | CBC                                  |                                 |  |
| 14.1.8          | 6           | Chair to send a questionnaire to MS to provide contact details, based on the National Reports and other relevant information   | Chair                                |                                 |  |
| 14.1.9          | 6           | MACHC attendance at ICG IX, May 13-15, 2014, St. Thomas, USVI  | MS                                   |                                 |  |
| 14.1.1 (13.1.1) | MACHC 12    | MACHC Members should provide update information to IHO C-55 publication and update it at least once a year, reporting this action in the National Report   | MACHC Members                        | Permanent                       | On going   |
| 14.1.2 (13.1.2) | MACHC 12    | The Commission accepts IHB proposal to post the main documents of its meeting on the IHB website and keep the discussion documents on the website managed by NOAA.                                     | Secretary / IHB                      | Permanent                       | On going   |
| 14.1.3 (13.1.3) | MACHC 12    | The Commission to consider using one website for MACHC documentation. The Chair to circulate a proposal to achieve this.   | USA / IHB                            | By 14th MACHC meeting           | Completed  |
| 14.1.4 (13.1.4) | MACHC 12    | NL/VE to pursue discussions on bilateral agreement for data exchange in accordance with TR A3.4 (co-production, distribution of REPRMATS, etc.)  | Netherlands/Venezuela                | By 14th MACHC meeting           | On going<br>see para 7.1.3 additional Action Item 13.2.8 |
| 14.1.5 (13.1.5) | MACHC 12    | Working Group Chairs and Chart Committee Coordinators are encouraged to produce quarterly reports.   | WG Chairs and ECC & ICC Coordinators | Permanent Quarterly             | MICC Already does this                                   |
| 14.1.6 (13.1.6) | MACHC 12    | ECC & ICC Coordinators to liaise and plan/organise their work flow in line with agreed Meso-American and Caribbean International Chart Coordinating Working Group (MACICCWG) Terms of Reference (ToR). | ECC & ICC Coordinators               | Permanent By 13th MACHC Meeting | Completed  |





| Action   | Agenda Item        | Agreements   | Responsible Party                            | Due Date                           | Status                                  |
|--|--------------------|--|--|------------------------------------|---|
| 14.1.14<br>(13.1.10)                               | MACHC<br>13        | MACHC Member States to include 'sharing experience in dealing with maritime disasters' as a standing MACHC agenda item.  | Chair  | Permanent<br>By 14th MACHC Meeting | Nothing to report. Noted Sandy last mtg |
| 14.1.15<br>(13.1.11)                               | MACHC<br>13        | Chair to invite the Caribbean Disaster Management Response to the 14th MACHC   | Chair  | By 14th MACHC meeting              |   |
| 14.1.16<br>(13.1.12)                               | MACHC<br>13        | MACHC accepts the validity of Crowd Sourcing and requests the chair propose HSSC to assess the validity of its use.  | Chair  | End Jan 2013                       |   |
| 14.1.16<br>(13.1.14)                               | MACHC<br>13        | Chair to look into providing Audio/Video facilities at next conference for delegates unable to attend  | Chair  | By 14th MACHC meeting              |   |
| 14.1.17<br>(13.1.15)                               | MACHC<br>13        | Chair (Suriname) or IHO to participate in the Sea Trade Cruise Shipping conference in Miami (March 11-14, 2013)  | Chair, IHO                                   | By April 2013                      |   |
| 14.1.18<br>(13.1.16)                               | MACHC<br>13        | Chair (Suriname) and host (Netherlands) to organise MACHC14  | Suriname, Netherlands                        | By 14th MACHC meeting              | Completed                               |
| <b>MACHC Integrated Charting Committee (MICC):</b> |                    |  |  |                                    |   |
| 14.2.1<br>(13.2.1)                                 | MACHC<br>13<br>ENC | MICC to continue to monitor and update Region B ENC scheme for all Usage Bands, per the current work plan of MACHC MICC.   | MICC Members                                 | Ongoing                            | This is a continuous activity           |
| 14.2.2<br>(13.2.2)                                 |                    | Continue to update resolution of overlaps and gaps as reflected in the ECC Regional Coverage Report Annex A and B  | MICC Members and Technical Coordinator       | ASAP                               | A continuous activity                   |
| 14.2.3<br>(13.2.3)                                 |                    | 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               | March 13, 2013                     | Completed                               |
| 14.2.4<br>(13.2.4)                                 |                    | UK to provide update on anticipated production date of ENCs for Charco Azul and Roatan   | UK   | March 13, 2013 or Until complete   | Completed                               |
| 14.2.5<br>(13.2.5)                                 |                    | Provide list of Cruise Line priority ports for the MACHC and other RHCs for consideration by respective charting groups  | Celebrity Cruise Rep                         | ASAP                               | Completed                               |
| 14.2.6<br>(13.2.6)                                 |                    | 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                     | Ongoing                                 |
| 14.2.7<br>(13.2.7)                                 |                    | US to provide update on production of new ENCs in the Panama Canal   | USA  | March 13, 2013 or Until complete   | Completed                               |
| 14.2.8<br>(13.2.8)                                 |                    | NL produces ENC equivalent to INT 4108 in co-operation with VEN to achieve adequate coverage on very short notice. When appropriate VEN takes over with the publication of VE300100 and VE300200   | NL, VEN                                      | NL ENC completion 1 March 2013     | Completed                               |
| 14.2.9<br>(13.2.9)                                 | INT                | MICC Technical Coordinator to look into adding ENC usage band column to INT Chart GIS  | MICC Technical Coordinator                   | December 31 2012                   | Completed                               |
| 14.2.10<br>(13.2.10)                               |                    | Venezuela and UK to review limits for INT 4102.  | Venezuela, UK                                | March 13, 2013 or Until complete   |   |
| 14.2.11<br>(13.2.11)                               |                    | Colombia and UK review overlap between INT charts 4025 and 4011  | Colombia, UK                                 | ASAP                               | Completed                               |
| 13.2.12<br>(13.2.12)                               |                    | MICC will explore possibilities for producing an on-line regional catalogue that includes all national coverage in the MACHC region.   | MICC Members                                 | March 13, 2013                     | Completed                               |
| 14.2.13<br>(13.2.13)                               |                    | Include INT charts in National Chart catalogues according to S-4   | MICC Members                                 | Ongoing                            | Ongoing                                 |
| 14.2.14<br>(13.2.14)                               |                    | 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                               | Completed                               |

| Action               | Agenda Item | Agreements   | Responsible Party  | Due Date                            | Status    |
|----------------------|-------------|--|--|-------------------------------------|-----------|
| 14.2.15<br>(13.2.15) |             | 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. | Mexico, Nicaragua, Colombia, Suriname, Venezuela, US, MICC Technical Coordinator | March 13, 2013                      | Completed |
| 14.2.16<br>(13.2.16) |             | 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 Member States   | Ongoing                             | Ongoing   |
| 14.2.17<br>(13.2.17) |             | MACHC Pacific Coast - Mexico to work with UK on the boundaries between the existing Mexican INT charts and UK charts in neighbouring Pacific coast RHCs.   | Mexico, UK, USCHC, SEPHC   | March 13, 2013                      | Completed |
| 14.2.18<br>(13.2.18) | ADMN        | All countries to update the list of participants with MICC Technical Coordinator   | MACHC MICC Member States   | ASAP and ongoing                    | Ongoing   |
| 14.2.19<br>(13.2.19) |             | Update TORs to replace "WG" with "Committee" and "MACCIWG" with "MICC"   | MICC Chair   | Completed and provided to Secretary | Completed |
| 14.2.20<br>(13.2.20) |             | MACHC Chair to communicate new representative to WEND WG   | MACHC Chair  | ASAP                                |           |
| 14.2.21<br>(13.2.21) |             | MICC to decide on new combined format for MICC report to MACHC   | MACHC MICC Member States   | May 22, 2013                        | Completed |
| 14.2.22<br>(13.2.22) |             | 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 Technical Coordinator, MICC Chair and IHO President                         | ASAP and ongoing                    | Completed |
| 14.2.23<br>(13.2.23) |             | Access REMPEITC AIS and ship routes to assess regional chart coverage and survey adequacy and related navigation risk  | MICC Chair   | March 13, 2013                      | Completed |
| 14.2.24<br>(13.2.24) |             | Provide national response re: CL 51 to IHB   | MACHC MICC Member States   | ASAP                                | Completed |
| 14.2.25<br>(13.2.25) |             | MICC to provide an updated report to 14th MACHC and MACHC Chair is invited to provide this report to the IHB as the region's contribution to global ENC and INT coverage so that it may be conveyed accordingly to the IMO.  | MACHC MICC Member States   | 14th MACHC meeting                  | Completed |
| 14.2.26<br>(13.2.26) |             | 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 Member States   | Ongoing                             | Ongoing   |
| 14.2.27<br>(13.2.27) |             | 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 Member States   | Ongoing                             | Ongoing   |
| 14.2.28<br>(13.2.28) |             | 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 Member States   | Ongoing                             | Ongoing   |
| 14.2.29<br>(13.2.29) |             | MICC Technical Coordinator to update MACHC web site by linking to IHO MACHC site where documents for Commission meetings will be hosted. The NOAA website will serve as the archive site for past meeting documentation and Committee working documents.   | MICC Technical Coordinator   | Ongoing                             | Completed |
| 14.2.30<br>(13.2.30) |             | Expand Work Plan to include review of WEND Principles Implementation Guidelines and Risk Assessment Framework, and explore GIS depiction of survey quality   | MICC Coordinator and Vice-Coordinator  | ASAP                                | Completed |
|                      |             |  |  |                                     |           |

| Action  | Agenda Item | Agreements   | Responsible Party  | Due Date               | Status |
|---|-------------|--|--|------------------------|--------|
| <b>Capacity Building (CB):</b>                        |             |  |  |                        |        |
| 14.2.1<br>(13.3.1)                                    | MACHC<br>13 | CB coordinator to investigate further funding sources to enable training   | CB Coordinator   | On Going               |        |
| 14.3.2<br>(13.3.2)                                    | MACHC<br>13 | The CB Coordinator should work in close liaison with the adjacent Regional Hydrographic Commissions, including the EATHC.  | CB Coordinator   | Permanent              |        |
| 14.3.3<br>(13.3.3)                                    | MACHC<br>13 | CB coordinator to update 5 year plan   | CB Coordinator   | Permanent              |        |
| 14.3.4<br>(13.3.5)                                    | MACHC<br>13 | IALA to organize seminar on level 1+ course on Aids to Navigation Manager training   | IALA, CB Coordinator   | By MACHC 14            |        |
| 14.3.5<br>(13.3.6)                                    | MACHC<br>13 | Gulf of Fonseca project:<br>1. Decision to continue the project discussions with authorities from the three Member states.<br>2. Recognize that the future development of the Gulf of Fonseca can benefit from the works proposed by this project; including hydrography for the safety of navigation, physical oceanography for the protection of the marine environment, and coastal zone management.<br>3. Decision to keep this project Regional within Central America as much as possible. | PAIGH, Honduras,<br>Nicaragua, El Salvador,<br>UK, USA, COCATRAM | On Going               |        |
| 14.3.6<br>(13.3.7)                                    | MACHC<br>13 | Investigate the feasibility of Spanish online training similar to that of the Hydrographic Academy of University of Plymouth.  | CB Coordinator   | By MACHC14             |        |
| 14.3.7<br>(13.3.8)                                    | MACHC<br>13 | Netherlands to liaise with Chair Organization of East Caribbean States (OECS) to develop proposals for the establishment of regional deployable survey capability in 2012 for MACHC Members, Associate Members and non-Members.  | Netherlands  | By 31st August 2012    |        |
| <b>Marine Economic Infrastructure Project (MEIP):</b> |             |  |  |                        |        |
| 13.4.1<br>(13.4.1)                                    | MACHC<br>13 | MEIP to develop terms and conditions for accessing and using data held within MEIP   | MEIP   | by Feb 2013            |        |
| 14.4.2<br>(13.4.2)                                    | MACHC<br>13 | MEIP to identify "quick win" data to populate MEIP   | MEIP   | ongoing                |        |
| 14.4.3<br>(13.4.3)                                    | MACHC<br>13 | MEIP and REMPEITC to aspire to the least duplication of effort possible and REMPEITC to be invited to join MEIP teleconferences  | MEIP<br>REMPEITC   | On Going               |        |
| 14.4.3<br>(13.4.3)                                    | MACHC<br>13 | Antigua and Barbuda to discuss with CCCCC coordination with the OECS project.  | Antigua and Barbuda,<br>CCCCC                                    | by April 2013          |        |
| 14.4.5<br>(13.4.5)                                    | MACHC<br>13 | MEIP WG to develop a platform that will identify regional projects in collaboration with CB coordinator  | MEIP   | by April 2013          |        |
| 14.4.6<br>(13.4.6)                                    | MACHC<br>13 | MEIP WG to identify achievable projects within MACHC region in collaboration with CB coordinator   | MEIP<br>CB Coordinator   | by MACHC 14<br>meeting |        |
| 14.4.7<br>(13.4.7)                                    | MACHC<br>13 | Maritime Alliance to host, coordinate and invite MACHC, industry and donor organisation stakeholders to Maritime Funding session in Washington DC. To include videoconference for those unable to travel   | Maritime Alliance, MEIP<br>Chair                                 | end 2012               |        |



12<sup>th</sup> Meso American & Caribbean Sea Hydrographic  
Commission Meeting  
20- 22 November 2012  
La Antigua, Guatemala  
List of Actions

| Action          | Agenda Item | Agreements  | Responsible Party | Due Date                   | Status |
|-----------------|-------------|---|-------------------|----------------------------|--------|
| <b>General:</b> |             |   |                   |                            |        |
| 12.1.5          | 9           | MACHC Member States to include 'sharing experience in dealing with maritime disasters' as a standing MACHC agenda item. | Chair             | Permanent<br>By 13th MACHC |        |

| Action                    | Agenda Item | Agreements   | Responsible Party | Due Date                                       | Status      |
|---------------------------|-------------|--|-------------------|--|-------------|
| <b>Capacity Building:</b> |             |  |                   |  |             |
| 12.2.1                    | 3           | The Commission takes note of Jamaica's comment on CB matters of the necessity to have, besides training, an effort on technical capacity – equipment and survey's platforms – and also the IHB suggestion on to promote events on means to attain support to improve the hydrographic capacity, and requests the CB coordinator to take the appropriate action accordingly with the guidelines of the approved CB Plan.  | CB Coordinator    | By 13th MACHC Meeting, depending on priorities |             |
| 12.2.2                    | 3           | CB coordinator will review Global Environmental Facility projects (VIA THE GEF WEBSITE) to assess if there are other projects in the region that could be leveraged for CB support, as was done for the Gulf of Honduras Project.  | CB Coordinator    | By 13th MACHC Meeting, depending on priorities | In Progress |
| 12.2.3                    | 3           | The CB Coordinator should work in close liaison with the adjacent Regional Hydrographic Commissions, including the EAHC.   | CB Coordinator    | Permanent                                      | In Progress |
| 12.2.6                    | 6.4.5       | The CB Plan should be reviewed at the next Commission meeting. The following Member States will take part on the revision: A&B, BR, FR, NE, K&N, UK, with the collaboration of the PAIGH observer. The 2012 revision should have a long term plan (5 years) and consider:<br>1. Assessment of the CB progress made by MACHC to date, against the IHO CB Strategy and CB Work Program performance indicators;<br>2. Maintenance of the agreed MACHC CB Plan;<br>3. Consider to hold hydrographic trainings courses in venues where data updates are needed and take the opportunity to conduct the practical activities to get the required data; | CB Coordinator    | Permanent<br>By 13th MACHC Meeting             | In Progress |

| Action | Agenda Item | Agreements   | Responsible Party | Due Date              | Status      |
|--------|-------------|--|-------------------|-----------------------|-------------|
|        |             | 4. Refine the action plan (against the IHO CB Strategy and CB Work Program performance indicators again) and in accordance with Member States priority requirements;<br>5. Prepare a job description for a consultant to address CB issues; and prepare technical specifications for a master plan for the Region;<br>6. If this strategy is approved by MACHC Member States, a proposal roadmap for the implementation of this new strategy to be drafted by MACHC CB Coordinator to be submitted to consideration by the CBSC. |                   |                       |             |
| 12.2.8 |             | requirements;<br>(OECS) to develop proposals for the establishment of regional deployable survey capability in 2012 for MACHC Members, Associate Members and non-Members.  | Netherlands HO    | By 31st August 2012   | In Progress |
| 12.2.9 |             | CB Coordinator to seek opportunities to build on the 'Haiti Hydrographic Surveying and Nautical Charting Workshop' of September 2011, in conjunction with the CBSC Chairman and IHB.   | CB Coordinator    | By 13th MACHC Meeting | In Progress |

**Electronic Chart Committee (ECC):**

|        |  |  |                                 |                       |           |
|--------|--|--|---------------------------------|-----------------------|-----------|
| 12.3.1 |  | MACHC ECC to continue to monitor and update Region B, Atlantic side, ENC scheme for all Usage Bands, per the timetables indicated in Annex A of MACHC ECC report.  | MACHC ECC Member States         | By 13th MACHC Meeting | Ongoing   |
| 12.3.2 |  | MACHC ECC monitors and updates Region B, Pacific Ocean side, ENC scheme for all Usage Bands, per the timetables indicated in Annex A.  | MACHC ECC Member States         | By 13th MACHC Meeting | Ongoing   |
| 12.3.3 |  | MACHC ECC to explore options to provide a means to depict ENC schemes on a webpage, as a pilot project. The display should be interoperable and appropriate for GIS applications. Additionally, MACHC Member States should find it easy to update their ENC coverage.  | MACHC ECC Member States         | By 13th MACHC Meeting | Completed |
| 12.3.4 |  | As a permanent task, MACHC Member States are invited to provide the ECC with their ENC production plans taking into account:<br>- IMO requirements for mandatory carriage and priority regional ports;<br>- the availability of adequate survey data for ENC production (keeping in mind that, in some areas, hydrographic offices may not produce ENCs if data are out-of-date or not compliant with S-44 standards); and<br>- the need to address national overlaps and consistency for all Usage Bands. | MACHC Member States             | By 13th MACHC Meeting | Ongoing   |
| 12.3.5 |  | ECC to provide an updated report to 13th MACHC and MACHC Chair is invited to provide this report to the IHB as the region's contribution to global ENC coverage so that it may be conveyed accordingly to the IMO.   | ECC Chair                       | By 13th MACHC Meeting | Completed |
| 12.3.6 |  | 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 ENC producers             | By 13th MACHC Meeting | Ongoing   |
| 12.3.7 |  | 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.   | Appropriate MACHC Member States | By 13th MACHC Meeting | Ongoing   |



|        |  |   |                                 |                       |         |
|--------|--|---|---------------------------------|-----------------------|---------|
| 12.3.8 |  | If MACHC Member States are unwilling either to distribute ENC's 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. | Appropriate MACHC Member States | By 13th MACHC Meeting | Ongoing |
|--------|--|---|---------------------------------|-----------------------|---------|

**International Chart Committee (ICC):**

| Action | Agenda Item | Agreements   | Responsible Party                      | Due Date              | Status    |
|--------|-------------|--|--|-----------------------|-----------|
| 12.4.1 | 6.2         | INT Chart Coordinator to update MACHC web site INT Chart data base.  | INT Chart Comm. Chair, U               | By 13 MACHC Meeting   | Completed |
| 12.4.2 | 6.2         | The INT Chart Committee should produce an INT Chart Plan which should include the Pacific Area of the region, and consider using national charts of the UK and US as interim products for future production of INT Charts. A framework should be presented for the Committee work for the MACHC intersectional period. | INT Chart Comm. Chair, UK, US & Cuba   | By 13th MACHC Meeting | Ongoing   |
| 12.4.3 | 6.2         | Cuba proposed that INT Chart 4017 be produced by another hydrographic service. US offered to produce this chart. Cuba also offered to pass relevant data to the INT chart producer of chart 4021.  | US & Cuba                              | By 13th MACHC Meeting | Completed |
| 12.4.4 | 6.2         | The ICC Chair shall send to the Secretary the updates regarding the INT Charts of Venezuela that have changed (see Action 11-46). Members States must send their updated data to the Secretary, include US information regarding INT Charts 4015, 4016, 4145, 4146, 4147, and 4148.                                    | ICC Chair, MACHC Members and Secretary | By 13th MACHC Meeting | Completed |
| 12.4.5 | 6.2         | The current limits of the INT Charts 4100 and 4102 shall be maintained . Venezuela will confirm the limits of the new INT Charts, as proposed: 4102A, 4104, 4106, 4108, 4110 and 4112.   | ICC Chair, Venezuela                   | By 28th Feb 2012      | Completed |
| 12.4.6 | 6.2         | Cuba requested the cooperation of UK, USA, France and Mexico for the production and updating of the INT Charts 4149, 4154, 4158, 4166 and 4170.  | Cuba, France, Mexco, UK, US            | By 13th MACHC Meeting | Completed |
| 12.4.7 | 6.2         | Cuba proposed that the USA maintain updating the INT Chart 4149 and becomes responsible for production of this chart.  | Cuba, US                               | By 13th MACHC Meeting | Completed |