



INTERNATIONAL HYDROGRAPHIC ORGANIZATION
MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION



MACHC Letter 16/2015

Date, 2 November 2016

To: MACHC members, Associate members and Observers

Subject: Draft agenda of the 17th MACHC Meeting

Dear Madams and Sirs,

Please find attached the draft agenda of the 17th Meso American & Caribbean Sea Hydrographic Commission meeting to be held in Belém, Brasil. Besides organisational developments and capacity building, the meeting focusses on a thematic agenda: Survey and Risk, DTM and SDI, and Nautical Charts and publications. Industry day activities will be an integral part of the plenary meeting. An item of special interest is inland ENC's.

The agenda is annotated in order to give you an idea what the aims of particular agenda items are. This enables you to prepare in advance. Some agenda items are a placeholder as work on these items is still ongoing.

I invite you to contribute to the MACHC meeting with a short presentation as indicated in the agenda. One of the lesson identified from the last MACHC is the combined length of the national reports. I therefore urge the Members and Associate Members to present only the key points (maximum 5 minutes) as a powerpoint. Suggestions are:

- main achievements during the year;
- main challenges and/or obstructions,
- update on C-55 statistics plus prognoses (including no change reports);
- bathymetric data made available to GEBCO;
- plans that affect the region;
- specific requests for support, eg. CB support;
- lessons learned to share.

I ask you not to read verbally the written national report itself. The written National reports is to cover all the topics described in IHO Resolution 2/1997 (see MACHC CL 07/2014) and must be submitted in accordance with the IRCC document "instructions of Reports and proposals". Item 4 specifically refers to RHC reports (Deadline 3 weeks before the meeting). Many thanks in advance.

https://www.iho.int/mtg_docs/com_wg/IRCC/MISC/Instructions_for_Submission_of_Reports_and_Proposals.pdf..

I request potential speakers to confirm participation soonest where the agenda states To Be Confirmed (TBC). Moreover, please inform me soonest if you have any other additional suggestion for the agenda.

One of the main items for this year's MACHC meeting will be the selection of MACHC Member States for the IHO Council. Last year, we agreed on the procedure. This year, we will execute it as show in the agenda. I therefore invite those nations that have been

declared eligible for the MACHC region, to decide if they also want to be a candidate for selection.

In order to ease the logistical planning I have a final request. Could you send in the MACHC Participant Registrations Form as soon as you are able to do so (attached). Thank you.

I'm looking forward see you all in December.

Courtesy translation in Spanish by Google translate.

Sincerely yours,

Traducción de cortesía en español por Google translate.

Estimadas Señoras y Señores,

Se adjunta el proyecto de orden del día de la 17ª Reunión de la Meso American & Caribbean Sea Hydrographic Commission que se realizará en Belém, Brasil. Además de los desarrollos organizacionales y la creación de capacidad, la reunión se centra en una agenda temática: Encuesta y Riesgo, DTM y SDI, y Cartas y publicaciones náuticas. Las actividades del día de la industria serán parte integrante de la reunión plenaria. Un elemento de interés especial es ENC interior.

El orden del día está anotado con el fin de dar una idea de cuáles son los objetivos de determinados temas del programa. Esto le permite prepararse con antelación. Algunos puntos del orden del día son un marcador de posición, ya que el trabajo sobre estos temas todavía está en curso.

Los invito a contribuir a la reunión del MACHC con una breve presentación como se indica en el orden del día. Una de las lecciones identificadas en el último MACHC es la longitud combinada de los informes nacionales. Por lo tanto, insto a los Miembros y Miembros Asociados a que presenten sólo los puntos clave (máximo 5 minutos) como un punto de poder. Sugerencias son:

- principales logros durante el año;
- principales retos y / o obstrucciones,
- actualización de las estadísticas C-55 y pronósticos (incluidos los informes sobre el cambio);
- datos batimétricos puestos a disposición de GEBCO;
- planes que afectan a la región;
- solicitudes específicas de apoyo, por ejemplo. CB apoyo;
- lecciones aprendidas para compartir.

Le pido que no lea verbalmente el propio informe nacional escrito. Los informes nacionales escritos deben cubrir todos los temas descritos en la Resolución 2/1997 de la OHI (ver MACHC CL 07/2014) y deben presentarse de acuerdo con el documento IRCC "instrucciones de informes y propuestas". El punto 4 se refiere específicamente a los informes de la RHC (Plazo 3 semanas antes de la reunión). Muchas gracias de antemano. (https://www.iho.int/mtg_docs/com_wg/IRCC/MISC/Instructions_for_Submission_of_Reports_and_Proposals.pdf) ..

Solicito a los oradores potenciales que confirmen la participación lo más pronto posible, donde la agenda declara ser confirmada (TBC). Además, por favor, infórmenme lo antes posible si tiene alguna otra sugerencia adicional para la agenda.

Uno de los principales temas de la reunión de MACHC de este año será la selección de los Estados Miembros de MACHC para el Consejo de la OHI. El año pasado, acordamos el procedimiento. Este año, lo ejecutaremos como muestra en la agenda. Por lo tanto, invito a aquellas naciones que han sido declaradas elegibles para la región MACHC, para decidir si también quieren ser candidatas a la selección.

Con el fin de facilitar la planificación logística tengo una solicitud final. ¿Podría enviar el Formulario de Registro de Participantes de MACHC tan pronto como sea posible (adjunto). Gracias.

Espero verlos a todos en diciembre.

Sinceramente tuyo,



Captain RNLN Marc C. J. van der Donck
Director Netherlands Hydrographic Office
Hydrographer of the Royal Netherlands Navy
Chairman, Meso American & Caribbean Sea Hydrographic Commission



MACHC 17-1.2
(version 1)

**17th MEETING OF THE MESO AMERICAN AND CARIBBEAN
SEA HYDROGRAPHIC COMMISSION (MACHC17)
Belem, Brazil
13 – 17 December 2016
AGENDA AND TIMETABLE**

| Time | MACHC Seminar on Raising Awareness of Hydrography | Responsible |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 08:15-17:00 | <ul style="list-style-type: none"> - Monday 12 December: Hydrographic governance - Tuesday 13 December: Satellite Derived Bathymetry | CB Chair Mr Jeff Bryant |

| Time | Tuesday (13 December) Smart Casual | Responsible |
|-------------|---------------------------------------|-------------|
| 19:00-21:00 | MACHC Ice breaker | Host |

| Time | DAY ONE OF MACHC17 Wednesday, 14 December 2016 Business Casual (Short sleeved navy whites/short sleeved wayabera/similar) | | Responsible | |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------|---------------------|
| 08:00-08:15 | Registration 17 th MACHC | | | |
| 08.15-08.40 | Formal Opening of the MACHC. Separate addresses | | Chair, SG IHO, Host | |
| 08:40-09:45 | MACHC integrated Charting Committee (MICC) meeting Agenda by MICC Chair | | MICC Chair Mr. John Nyberg | |
| 09:45-10:30 | Coffee Break | | | |
| 10:30-12:00 | Marine Economic Infrastructure Program (MEIP) meeting. Agenda by MEIP Chair | | MEIP Chair Mr. Chris Thorne | |
| 12:00-13:30 | Lunch | | | |
| 13:30-15:00 | Risk assessment meeting Agenda by Chair RAG | Capacity Building Committee Agenda by Chair CBC | Chair Mr. Harper | Chair Mr. Bryant |
| 15:00-15:45 | Coffee Break | | | |
| 15:45-17:15 | Risk assessment meeting (continued) | | Chair Mr. Sam Harper | |
| 19:00-21:00 | Non Hosted events | | Own discretion | |

| Time | DAY TWO OF MACHC17 Thursday, 15 December 2016 Business Casual (Short sleeved navy whites/short sleeved wayabera/similar) | Responsible |
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| 08:15-09:45 | 1. MACHC Administration/organizational issues 1.1 Introductions - Participants will be invited to introduce themselves - Establish the quorum necessary to hold a formal meeting 1.2 Approval of Agenda and Timetable - Doc:-MACHC17-1.2 Agenda and Timetable - Chair invites participants to comment on the agenda and timetable in case updates are necessary. - Agenda is adopted. 1.3 List of documents/Administrative Arrangements - List of Documents as on the IHO/17 th MACHC site - List of Documents is updated as necessary - Doc: -MACHC17-1.3 List of Participants (invited and present) - Logistic guidance and information as necessary 1.4. Matters arising from Minutes of MACHC16 Meeting - Doc:-MACHC17-1.4. Minutes of MACHC16 - Chair seeks approval of the MACHC16 Minutes 1.5. MACHC 15 Action list review - Docs:-MACHC17-1.5 Status of Action List from MACHC16 meeting. | All/Chair Chair Chair Chair Chair |
| | 1.6 Selection for the IHO Council-Candidacy - Chair introduces voting procedures for seats allocated to the MACHC. - First step is for eligible MS to opt as Candidate for selection | Chair |
| | 1.7 Photo session | All |
| 09:45-10:30 | Coffee Break | |
| 10:30-12:00 | 2. MACHC Developments IHO bodies/Policy aspects 2.1 IHO Secretariat Report - Doc:- MACHC17-2.1 IHO secretariat Report 2.2 IRCC8 Report - Doc:- MACHC17-2.2 IRCC8 Report - Include MACHC actions from IRCC 8 - See general remark below. | IHO Secretariat Chair |

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| | <p>2.3 HSSC8 Report</p> <ul style="list-style-type: none"> - Doc:-MACHC17-2.3 HSSC7 Report . - See General remark below, eg. for decisions . <p>2.4 MSI/WWNWS, RATC</p> <ul style="list-style-type: none"> - Docs: MACHC 17-2.4 - See General remark below (15 min). <p>2.5 MACHC response to Disasters (IHO resolution 1/2005)</p> <ul style="list-style-type: none"> - Context is IHO resolution 1/2005 - Case study passage of Hurricane Matthew - Identify lessons and way forward <p><u>General remark</u> Chair invites the representatives of the above IHO bodies/working groups to present the key (policy) developments, decisions, actions or implications that affect the MACHC region).</p> | <p>Brazil</p> <p>Mr. Pete Doherty</p> <p>Chair</p> |
| 12:00-13:30 | Lunch | |
| 13:30-15:00 | <p>3. National Reports from Members and Associate Members Part I</p> <ul style="list-style-type: none"> • <i>MACHC17-03.A National Report Antigua and Barbuda</i> • <i>MACHC17-03.B National Report Barbados</i> • <i>MACHC17-03.C National Report Belize</i> • <i>MACHC17-03.D National Report Brazil</i> • <i>MACHC17-03.E National Report Colombia</i> • <i>MACHC17-03.F National Report Costa Rica</i> • <i>MACHC17-03.G National Report Cuba</i> • <i>MACHC17-03.H National Report Dominican Republic</i> • <i>MACHC17-03.I National Report El Salvador</i> • <i>MACHC17-03.J National Report France</i> <ul style="list-style-type: none"> ○ Chair invites France to provide a short back brief on developments in the IHO-EU network WG (IENWG) that affect the MACHC region in addition to their national report (5 min). • <i>MACHC17-03.K National Report Guatemala</i> • <i>MACHC17-03.L National Report Guyana</i> • <i>MACHC17-03.M National Report Haiti</i> • <i>MACHC17-03.N National Report Honduras</i> • <i>MACHC17-03.O National Report Jamaica</i> • <i>MACHC17-03.P National Report Mexico</i> • <i>MACHC17-03.Q National Report Netherlands</i> <p>Members and Associate Members to present <u>only</u> the key points (<u>maximum 5 minutes</u>) as a powerpoint. Suggestions are:</p> <ul style="list-style-type: none"> - main achievements during the year, - main challenges and/or obstructions, - update on C-55 statistics plus prognoses (including no change reports), - bathymetric data made available to GEBCO, - plans that affect the region, | National delegates |

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| | <ul style="list-style-type: none"> - specific requests for support, eg. CB support, - lessons learned to share. <p>Chair requests Members and Associate Members not to read verbally the written national report itself.</p> | |
| 15:00-15:45 | Coffee Break | |
| 15:45-17:15 | <p>3. National Reports from Members and Associate Members Part II</p> <ul style="list-style-type: none"> • MACHC17-03.R National Report Nicaragua • MACHC17-03.S National Report Panama • MACHC17-03.T National Report Saint Kitts and Nevis • MACHC17-03.U National Report Saint Lucia • MACHC17-03.V National Report Saint Vincent and the Grenadines • MACHC17-03.W National Report Suriname • MACHC17-03.X National Report Trinidad and Tobago • MACHC17-03.Y National Report United Kingdom <ul style="list-style-type: none"> ○ Chair invites UK to provide an overview on the status and plans for surveys and charting in the autonomous UK overseas territories (5 min). • MACHC17-03.Z National Report United States of America • MACHC17-03.AA National Report Venezuela <p>Members and Associate Members to present only the key points (maximum 5 minutes) as a powerpoint. See comment above.</p> <p>Chair requests Members and Associate Members not to read verbally the written national report itself. See comment above.</p> <p>4. Reports from observing States and Organisations</p> <p>4.1 Organisation of Eastern Caribbean States (OECS)</p> <ul style="list-style-type: none"> - Doc:-MACHC17-04.1 Organisation of Eastern Caribbean States (OECS) <p>4.2 . Panama Canal Authority</p> <ul style="list-style-type: none"> - Doc: MACHC 17- 04.2 Panama Canal Authority <p>4.3 Observer countries</p> <ul style="list-style-type: none"> - Chair invites observer countries to present only the key points as described under agenda item 3 (maximum 5 minutes). | <p>Dr. Asha Singh</p> <p>Mr. Jaime Rodríguez</p> <p style="background-color: yellow;">TBC</p> |
| 19:00-21:00 | Social Event TBD | Host |

| Time | DAY THREE OF MACHC17 Friday , 16 December 2016 Business Casual (Short sleeved navy whites/ short sleeved wayabera/similar) | Responsible |
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| 08:15-09:45 | <p>5. Survey and Risk</p> <p>5.1 Report Risk assessment meeting</p> <ul style="list-style-type: none"> - Chair RAG is invited to report back key findings of meeting of 14 December <p>5.2 Risk-based approaches</p> <ul style="list-style-type: none"> - Docs: MACHC 17-5.2A: "A risk-based approach taken by NOAA in order to determine their hydrographic survey priorities". - Docs: -MACHC 17-5.2B "Risk Assessment in Maritime Navigation for the Greater Caribbean Region (GCR)". An assessment of the work that has been undertaken by Land Information New Zealand (LINZ) across the islands of the South West Pacific Ocean with a view to reviewing the applicability and modifications necessary for risk assessment in the GCR. <p>5.3 Satellite Derived Bathymetry (SDB)</p> <ul style="list-style-type: none"> - A combined presentation by EOMAP and Frugro Pelagos. - Docs: - MACHC16-5.3. "The latest activities on SDB and data assimilation". Focus on how to use the SDB-date in the best way in combination with other data taking account of the uncertainties and thus the risks. Details: <ul style="list-style-type: none"> • Substantial improvements on the uncertainties provision for SDB and on the assimilation of SDB with various other measures lead to new strategies of SDB implementation. • Relevant commercial and public funded projects - Docs: - MACHC16-5.3.B "Some common problems but maybe different solutions". The aim the second part of the presentation is to illustrate that having different but overlapping perspectives does not result in a such big gap between Government issues and Industry issues. <p>5.4 Geodetic reference frames</p> <ul style="list-style-type: none"> - Docs: -MACHC 17_5.4: "Vertical datums in MACHC region". Focus on problems stemming from poorly defined vertical datums that we and our government sector should be aware of. <p>5.5 Papers Industry and/or Nations</p> <ul style="list-style-type: none"> - Docs: - MACHC16-5.5."Leveraging Near Real-Time Data Processing to Safely Increase Hydrographic Production". A presentation by Teledyne CARIS. <p>This time frame focusses on the 'collection of (survey)-data' end and the supporting methodologies (risk based) and technologies.</p> | <p>Chair RAG Mr. Sam Harper</p> <p>Ms. Kathryn Ries</p> <p>Ms. Dawn Seepersad</p> <p>Mr. Thomas Heege</p> <p>Mr. Don Ventura</p> <p>Dr. Keith Miller (TBC)</p> <p>Mr. Juan Carballini</p> |
| 09:45-10:30 | Coffee Break | |
| 10:30-12:00 | <p>6. DTM and SDI</p> <p>6.1 Marine Economic Infrastructure Programme Working Group (MEIP WG)</p> | |

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| | <ul style="list-style-type: none"> - Doc:- MACHC17-06.1 MEIP Report (MEIP-WG) - MEIP chair is invited to report on MEIP developments and present the 'think piece' with potential options for the way ahead for the MEIP with the aim to facilitate decision making (MACHC action 16.6.1.1 refers). - Back brief on the MACHC ENC online is part of the report. <p>6.2 Feedback MSDIWG</p> <ul style="list-style-type: none"> - Docs: MACHC 17-6.2: "Status report on MSDI". A report by the secretary of the MSDIWG on the developments across the HO community and a view to the future. <p>6.3 UN-GGIM/Project for strengthening of Spatial Data Infrastructures (SDI) in the Caribbean</p> <ul style="list-style-type: none"> - Docs: - MACHC 17-6.3 : - Chair invites INEGI representatives to provide an update of this project within the context of UN-GGIM, also focussing on the relation with other projects. <p>6.4 GEBCO/IBCCA</p> <ul style="list-style-type: none"> - Docs: - MACHC 17-6.5 : - Chair invites INEGI representatives to provide an update of IBCCA within the context of GEBCO, also focussing on the relation with other projects. <p>6.5 Caribbean Marine Atlas 2 (CMA2) project</p> <ul style="list-style-type: none"> - Docs: - MACHC 17-6.4 - Chair invites INVEM to contribute to the MACHC meeting with a short presentation that focuses on the CMA2 project developments that affect the MACHC region and vice versa how the MACHC might support the aims of CMA2 . <ul style="list-style-type: none"> o CMA2 project and MEIP have a common interest, for instance in bathygraphic and nautical maps. Both aim to strengthen the capacity of information services for marine - coastal areas in participating countries. <p>6.6 Concluding discussions on MEIP way ahead</p> <p>This time frame focusses on the 'gathering an distribution of various datasets' in order to combine them in to new or augmented data models (other use of data).</p> | <p>MEIP Chair</p> <p>Mr. John Pepper</p> <p>INEGI (TBC)</p> <p>INEGI (TBC)</p> <p>Mr Francisco Isaza (TBC)</p> |
| 12:00-13:30 | Lunch | |
| 13:30-15:00 | <p>6.7 Papers Industry and/or Nations</p> <ul style="list-style-type: none"> - Docs: -MACHC 17-6.7A: " Ways to support HO's, ports and harbours". Details: <ul style="list-style-type: none"> • Software tools to deliver operational efficiencies in hydrographic surveying planning, dredging & licensing, environmental monitoring and production of port ENCs. • Real-time web based environmental data sharing and publishing as monitoring management of the data is now critical given the variable and less predictable climatic conditions. <p>7. Nautical Charts and publications</p> | <p>Mr. John Pepper</p> |

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| | <p>7.1 MACHC Integrated Charting Committee (MICC)</p> <ul style="list-style-type: none"> - Doc:- MACHC17-7.1 MICC Report - MICC Chair is invited to report on MICC developments and challenges, and if required formulate proposals for consideration by members. - MICC Chair is invited to report on the implementation of the new review procedures of first edition INT Charts produced by new Producer Nations to IRCC (MACHC action 16.2.27 refers) - Back brief on the WEND WG is included in the report. <p>7.2 RENC</p> <ul style="list-style-type: none"> - Docs: MACHC 17-7.2 - Chair invites General Manager IC-ENC to give an update on RENC-wide development and on specific activities that affect the MACHC region such as the new regional offices and training activities. <p>7.3 Papers Industry and/or Nations</p> <ul style="list-style-type: none"> - Docs: -MACHC 17-7.3A. - Focus on challenges and peculiarities of Brazilian inland ENC's. - Docs: -MACHC 17-7.3B. "River Charts vs Coastal Charts Compilation". This presentation will cover the differences in river charts and regular coastal charts, the Inland ENC Harmonization Group, and the issues wrt to compilation and presentation. <p>This timeframe focusses on the 'end-products' themselves that are available to the user of the sea (primarily safety of navigation)</p> | <p>MICC Chair</p> <p>Mr. James Harper</p> <p>Brazil</p> <p>Mr. Derrick Peyton</p> |
| 15:00-15:45 | Coffee Break | |
| 15:45-17:15 | <p>8. Impact of International bodies on the MACHC region</p> <p>8.1 International Maritime Organisation (IMO)</p> <ul style="list-style-type: none"> - Docs: MACHC 17-8.1 <p>8.2 International Association off Marine Aids to Navigation and Lighthouse Authorities (IALA) on E-navigation</p> <ul style="list-style-type: none"> - Docs: MACHC 17-8.2 - Following 16th MACHC, chair invites IALA representative to present further developments regarding E-navigation <p>9. Impact of Regional bodies in the MACHC region</p> <p>9.1 Caribbean Memorandum of Understanding (CMOU)</p> <ul style="list-style-type: none"> - Docs: MACHC 17-9.1: "The CMOU and the synergies that exist between the CMOU and MACHC". - Following 15th MACHC, chair invites the chair of CMOU to explore CMOU as an organization that besides dealing primarily with PSC matters also starts considering flag State matters that have linkages to PSC. | <p>Mr. Colin Young</p> <p>Ms. Gerardine Delanoye</p> <p>Ambassador Dwight Gardiner</p> |

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| | <p>9.2 Caribbean Disaster Emergency Management Agency</p> <ul style="list-style-type: none"> - Docs: MACHC 17-9.2 - Focus on 'sharing experience in dealing with maritime disasters' (MACHC action 14.1.42 refers) and exploring ways to cooperate <p>9.3 Organisation of American States (OAS)</p> <ul style="list-style-type: none"> - Docs: MACHC 17-9.3 - The chair invites a representative of the OAS to give presentation on hydrography, navigation and services to ships in the Americas. Of particular interest is the new traffic from and through the Panama Canal to Caribbean ports. <p>9.4.1 THSOA- General</p> <ul style="list-style-type: none"> - New development of the Hydrographic Society of America (TSOA) in general. <p>9.4.2 THSOA - Latin American Chapter</p> <ul style="list-style-type: none"> - Develops of the Latin American Chapter over the last year focusing on the MACHC region. | <p>Mr. Ronald Jackson TBC</p> <p>TBC (Through Mr. Paul Cooper)</p> <p>Mr. Paul Cooper</p> <p>Mr. Carlos Tejada</p> |
| | <p>9.5 Selection for the IHO Council-voting</p> <ul style="list-style-type: none"> - Member States vote on the candidate MS - In order to warrant the integrity of the selection process, the MACHC secretary presents the voting forms to the observer of the secretariat of the IHO to the MACHC. | <p>MS</p> |
| 19:00-21:00 | Social event | Host |

| Time | DAY FOUR OF MACHC17 Saturday, 17 December 2016 Business Casual (Short sleeved navy whites/ short sleeved wayabera/similar) | Responsible |
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| 08:15-09:45 | <p>10. Regional Capacity Building (CB)</p> <p>10.1 MACHC Capacity Building Committee (CBC)</p> <ul style="list-style-type: none"> - Docs:- MACHC17-10.1 CBC Report - CBC chair/coordinator is invited to report on CB developments and challenges, and if required formulate proposals for consideration by members. <p>10.2 Feedback CBSB</p> <ul style="list-style-type: none"> - Docs:- MACHC17-10.2 CBSC12 Report <p>10.3 Project of FOCAHIMECA</p> <ul style="list-style-type: none"> - Docs: MACHC 17-10.4 - Chair invites MEX to provide an update on this project which aims to reinforce the hydrographic capability in the region. Request special attention to the relation with and impact on the MACHC. | <p>CBC Chair</p> <p>CBC Chair</p> <p>MEX</p> |

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| | <p>10.4 Report 3rd Mexican Hydrographic Conference</p> <ul style="list-style-type: none"> - Chair invites Mexico to give a back brief of 3rd Mexican Hydrographic Conference focussing on the relation with and impact on the MACHC. <p>10.5 International Association off Marine Aids to Navigation and Lighthouse Authorities (IALA) on training programs</p> <ul style="list-style-type: none"> - Docs: MACHC 17-10.3 - Following 16th MACHC, chair invites IALA representative to present further development regarding IALA training programs in particular the World Wide Academy. <p>10.6 Pan American Institute of Geography and History (PAIGH)</p> <ul style="list-style-type: none"> - Following the 16th MACHC, chair invites PAIGH to share lessons learned and illustrate ways ahead to improve effectiveness of capacity building. <p>10.7 Papers Industry</p> <ul style="list-style-type: none"> - Docs: MACHC 17-10.5A. "UKHO MACHC Region International Development and Data Gathering". Presentation reflects the work UKHO has been doing in the MACHC region to support the development of Blue Economies, improve the quality of charting and support the development of hydrographic capability. | <p>MEX</p> <p>Ms. Gerardine Delanoye</p> <p>Mr. Paul Cooper</p> <p>Mr Sam Gillchrest</p> |
| 09:45-10:30 | Coffee Break | |
| 10:30-12:00 | 11. Closing activities | Chair |
| | <p>11.1 Selection for the IHO Council-results</p> <ul style="list-style-type: none"> - MACHC secretary present results of election. - The observer of the secretariat of the IHO to the MACHC, is requested to confirm the integrity of the selection process. | MACHC secretary |
| | <p>11.2 Election (vice) Chair MACHC</p> <p>11.3 AOB</p> <p>11.4 Review actions and decisions</p> <p>11.5 Lessons identified</p> <ul style="list-style-type: none"> - Chair invites participants to provide (procedural) issues to be taken into account for future meetings <p>11.6 Next meeting</p> <ul style="list-style-type: none"> - Docs:- MACHC17-11.4 Proposal Letter(s) - Short presentation by candidate Host Cuba <p>11.7 Close of meeting</p> | <p>Chair</p> <p>Chair</p> <p>Chair</p> <p>Chair/all</p> <p>Chair/Cuba</p> |



17th MESO AMERICAN & CARIBBEAN
SEA HYDROGRAPHIC COMMISSION MEETING
Belem, Brazil
14th to 17th December 2016

Participant Registration Form

Please send the completed registration form via e-mail to:
info@hydro.nl and int.rel@dhn.mar.mil.br
latest 01 November 2016

Member State / Organization

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1. Contact Details

Head or Member of delegation

Rank or Title

Family Name¹

Given or Personal Name

Position / Job title / Role

Nationality

Telephone

Fax

E-mail

Spouse/Partner Travelling

Special Dietary

Requirements (Please State Type)

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¹ Underline name generally used in case of doubles surnames as in Speaking-Spanish countries.

2. Visa required

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3. Travel Details (For administrative purpose only). Participants are expected to make their own travel arrangements.

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| Flight Number | |
| Airline | |
| Arrival date/time | |
| Departure date/time | |

4. Hotel Information (For administrative purpose only). Participants are expected to make their own accommodation arrangements.

Hotel booking

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|------------------|--------|
| Princesa Louçã * | Yes/No |
| or | |
| | Yes/No |

Signature

Date

| | | |
|-----------------------------------|-------------|-------------|
| * The charge Hotel Princesa Louçã | Single room | double room |
| Junior Suit | R\$ 420,- | R\$ 460,- |
| Deluxe | R\$ 320,- | R\$ 360,- |
| Standard | R\$ 280,- | R\$ 320,- |