



MACHC Letter 17/2015

Date, 7 October 2015

To: MACHC members, Associate members and Observers

Subject: Draft agenda of the 16th MACHC Meeting

Dear Madams and Sirs,

Please find attached the draft agenda of the 16th Meso American & Caribbean Sea Hydrographic Commission meeting to be held in St. John's, Antigua. Besides the regular elements, this year's agenda aims to take a thematic approach: Survey and Risk, Digital Terrain Models and Spatial Data Infrastructures, Nautical Charts and Publications, and Regional Capacity Building. A new element is a 'Risk assessment meeting' on Wednesday 9 December. Risk based hydrography is becoming increasingly important.

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 still a placeholder as work on these item is still ongoing.

Industry day activities will be an integral part of the plenary meeting. There will also be an area next to the conference room for a small exhibition by industry.

I invite you to contribute to the MACHC meeting with a short presentation as indicated in the agenda. Moreover I invite Industry, members and observers to contribute to the thematic clusters 5 to 7. **Please inform me soonest if you have suggestions**.

On Wednesday 9 December HNLMS Friesland is paying a port visit to St. John's. The delegates not participating in the working group meetings are invited for a tour and lunch on board. Our host kindly provides transport.

In order to ease the logistical planning I have two requests. Could you send in the MACHC Participant Registrations Form as soon as you are able to (attached). Could you also fill out the attached participation form for the specialist working groups. Thank you.

I'm looking forward see you all in December.

Sincerely yours,

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

> The Netherlands Hydrographic Office, Visitor address: van Alkemadelaan 786, 2597 BC. The Hague, Postal address: P.O. box 10.000 1780 CA Den Helder, Telephone: +3170362800 Fax. +31703162845 info@hydro.nl







16th MEETING OF THE MESO AMERICAN AND CARIBBEAN SEA HYDROGRAPHIC COMMISSION (MACHC16) Antigua& Barbuda 08 – 12 December 2015

AGENDA AND TIMETABLE

Time	MACHC Seminar on Raising Awareness of Hydrography	Responsible
09:00-	Monday (07 December) and Tuesday (08 December)	CB Chair
17:00	(Business Casual)	Mr Jeff Bryant

Time	OPENING MACHC16	Responsible
	Tuesday evening, 08 December 2015	
19:00-		
21:00	Ice Breaker	Host

Time	DAY ONE OF MACHC16 Wednesday, 09 December 2015 Business Casual (Short sleeved navy whites/ short sleeved wayabera/similar)	Responsible
08.00-08.15	Registration 16 th MACHC	
08:15-08:45	Opening of the meeting.	Chair/Host/IHB
09:00-10:00	 Part I Combined MACHC Integrated Charting Committee (MICC) and MACHC Marine Economic Infrastructure Program (MEIP) meeting Agenda by MICC and MEIP Chairs Request timely dissemination of the agenda in order to facilitate timely preparation 	MICC Chair Mr. John Nyberg MEIP Chair Chris Thorne
10:00-10:30	Coffee Break	
10:30-12:30	Part II Combined MACHC Integrated Charting Committee (MICC)	MICC Chair Mr. John Nyberg

	 and MACHC Marine Economic Infrastructure Program (MEIP) meeting Agenda by MICC and MEIP Chair Request timely dissemination of the agenda in order to facilitate timely preparation 	MEIP Chair Mr. Chris Thorne
10:30-13:30	Tour and Lunch on board HNLMS Friesland Side event for those delegates not required to attend working group meetings	Chair
12:30-13:30	Lunch	
13:30-15:30	 Risk assessment meeting Agenda by chair Request timely dissemination of the agenda in order to facilitate timely preparation See for initial details the annex to this agenda 	Mr. Sam Harper Chair
15:30-16:00	Coffee Break	
16:00-17:30	 Capacity Building Committee Agenda by chair CBC) Request timely dissemination of the agenda in order to facilitate timely preparation 	CB Chair Mr. Jeff Bryant
19:00-21:00	National Holiday	

Time	DAY TWO OF MACHC16 Thursday, 10 December 2015 (Business formal for welcome address (Short sleeved navy whites/ Suit), otherwise Business Casual (Short sleeved navy whites/short sleeved wayabera/similar)	Responsible
08:00-10:00	1. MACHC Administration/organizational issues	
	 1.1 Introductions Participants will be invited to introduce themselves 	ALL
	 1.2 Approval of Agenda and timetable Doc:-MACHC16-1.2 Agenda and Timetable Chair invites participants to comment on the agenda and timetable in case updates are necessary. Agenda is adopted. 	Chair
	 1.3 List of documents/Administrative Arrangements Doc:-MACHC16-1.3a List of Documents Doc: -MACHC16-1.3b List of Participants (invited and present) 	Chair

	 Documents are presented and updated as necessary logistic guidance and information as necessary 	
	 1.4. Matters arising from Minutes of MACHC16 Meeting Doc:-MACHC16-1.4. Minutes of MACHC15 Chair seeks approval of the MACHC15 Minutes 	Chair
	 1.5. MACHC 15 Action list review Docs:-MACHC16-1.5 Status of Action List from MACHC15 meeting. Action list is reordered and marked with a colour code. 	Chair
	 White: open item Light grey: continuous action Light Green: completed or closed Chair intends following procedure. Open items (white) are to be reviewed and updated. Continuous action (light grey) are mostly attributed to standing activities/responsibilities with the MACHC structure. Those items need not to reviewed any longer and can be removed as specific action items . The remainder can be moved to separate list for future reference as they do not have a specific deliverable in time. Completed or closed items are to be removed from the list. 	
	 1.6. MACHC Statutes Doc:-MACHC16-1.6 MACHC Statutes amendment. Chair invited members to consider and accept the proposal for the amended statutes 	Chair
	 1.7 Request from Dominican Republic for Associate Membership Docs-MACHC 161.7 Letter Dominican Republic Chair invites members to accept the application for Associate Membership by the Dominican Republic 	Chair
09.00-09.30	Special welcome address by High Level Antigua Dignitary Followed by photo session	Prime minister Gaston Browne (TBC)
10:00-10:30	Coffee Break	
10:30-12:30	2. MACHC Developments IHO bodies/Policy aspects	
	2.1 IHB Report - Doc:- MACHC16-2.1 IHB Report	IHB
	 2.2 IRCC7 Report Doc:- MACHC16-2.2 IRCC7 Report See general remark below, eg. for MACHC actions from 	Chair
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	IRCC.	
	 2.2.1. Procedure for selecting the MACHC representatives to the IHO Council Doc: -MACHC 16-2.2.1 Chair invites members to consider and approve the procedures by which the MACH representatives are selected for the future IHO council. 	Netherlands (on behalf of the chair)
	 2.3 HSSC7 Report Doc:-MACHC16-2.3 HSSC7 Report . See General remark below, eg. for decisions. 	Brazil
	 2.4 WENDWG Report Doc:- MACHC16-2.4 WENDWG See General remark below, eg. for implications. 	MICC Chair
	 2.5 MSI/WWNWS, RATC Docs: MACHC 16-2.5 Following 15th MACHC, chair invites WWNWS representative to provide an update on NAVAREA list . See General remark below. 	Mr. Jim Rogers (TBC)
	<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 (maximum 15 minutes each).	
	 6 Report neighbouring RHC (TBC) Chair invites SWAtHC, SEPRHC and USCHC representatives to provide a short presentation focusing on the experiences gained in their region that might benefit the MACHC, for instance main achievements and challenges and/or lessons learned to share (max15 minutes each). 	TBD
12:30-13:30		
13:30-15:30	3. National Reports from Members and Associate Members	National delegates
	 MACHC16-03.A National Report Antigua and Barbuda MACHC16-03.B National Report Barbados MACHC16-03.C National Report Belize MACHC16-03.D National Report Brazil MACHC16-03.E National Report Colombia MACHC16-03.F National Report Costa Rica MACHC16-03.G National Report Cuba MACHC16-03.H National Report Dominican Republic MACHC16-03.I National Report El Salvador MACHC16-03.J National Report France 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. MACHC16-03.K National Report Guyana MACHC16-03.IN National Report Haiti MACHC16-03.N National Report Haiti MACHC16-03.N National Report Hantic MACHC16-03.O National Report Jamaica MACHC16-03.P National Report Mexico MACHC16-03.R National Report Netherlands MACHC16-03.R National Report Nicaragua MACHC16-03.S National Report Saint Kits and Nevis MACHC16-03.T National Report Saint Kits and Nevis MACHC16-03.V National Report Saint Kits and Nevis MACHC16-03.V National Report Saint Kits and Nevis MACHC16-03.V National Report Saint Vincent and the Grenadines MACHC16-03.V National Report Saint Vincent and the Grenadines MACHC16-03.X National Report Saint Vincent and the Grenadines MACHC16-03.X National Report Saint Vincent and the Grenadines MACHC16-03.X National Report United Kingdom MACHC16-03.X National Report United Kingdom MACHC16-03.Z National Report United States of America MACHC16-03.X National Report United States of America MACHC16-03.X National Report Venezuela Chair invites Members and Associate Members report to summarize their reports and present only the key points(maximum 5 minutes). 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. The written National reports itself 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." (https://www.iho.int/mtg_docs/com_wg/IRCC/MISC/Instructions for_ Submission of Reports and Proposals."	
Coffee Break	
4. Reports from observing States and Organisations	
 4.1 Organisation of Eastern Caribbean States (OECS) Doc:-MACHC16-04.1 Organisation of Eastern Caribbean States (OECS) Following the 15th MACHC, Chair invites OECS representative to report key developments and plans that affect the MACHC region (maximum 15 min). 	Dr. Asha Singh
	 MACHC16-03.K National Report Guyana MACHC16-03.M National Report Haiti MACHC16-03.N National Report Honduras MACHC16-03.N National Report Honduras MACHC16-03.Q National Report Mexico MACHC16-03.Q National Report Netherlands MACHC16-03.R National Report Netherlands MACHC16-03.R National Report Netherlands MACHC16-03.S National Report Panama MACHC16-03.S National Report Saint Kitts and Nevis MACHC16-03.U National Report Saint Lucia MACHC16-03.V National Report Saint Lucia MACHC16-03.V National Report Saint Lucia MACHC16-03.V National Report Suriname MACHC16-03.X National Report Suriname MACHC16-03.X National Report United Kingdom MACHC16-03.X National Report United Kingdom MACHC16-03.X National Report United Kingdom MACHC16-03.X National Report Venezuela Chair invites Members and Associate Members report to summarize their reports and present only the key points(maximum 5 minutes). Suggestions are:: 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. The written National reports itself 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." (https://www.iho.int/mtg docs/com wg/IRC/MISC/Instructions for Submission of Reports and Proposals." Interstructions of Reports and Proposals." Doc:-MACHC16-04.1 Organisation of Eastern Caribbean States (OECS) Doc:-MACHC16-04.1 Organisation of Eastern Caribbean States

19:00-21:00	Social Event TBD	
	Spare time to close open agenda items of day two (30 minutes)	
	- (maximum 15 minutes)	
	- Potential overlap with the OECS report is to be addressed.	
	plans for surveys and charting in the autonomous UK overseas territories.	
	- Chair invites UK to provide an overview on the status and	
	4.4 UK overseas territories (TBC)	TBC
	Chair invites observer countries to present only the key points as described under agenda item 3 (maximum 5 minutes each).	
	- Spain	
	- Grenada	
	- Bahamas - Dominica	
	4.3 Observer countries	TBD
	(maximum 10 min).	
	 Following the 15th MACHC, chair invites the PCA to report key developments and plans that affect the MACHC region 	
	 4.2 . Panama Canal Authority Doc: MACHC 16- 04.2 Panama Canal Authority 	Mr. Jaime Rodríquez
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	member to accept OECS as a permanent observer of the MACHC- meeting	
1	- In line with MOU IHO-OECS (IHB CL 15/2015), chair invites	

Time	DAY THREE OF MACHC16 Friday , 11 December 2014 Business Casual (Short sleeved navy whites/ short sleeved wayabera/similar)	Responsible
08:00-10:00	 5. Survey and Risk 5.1 Report Risk assessment meeting Chair TG is invited to report back key findings of first meeting of 9 December (maximum 30 minutes) 	Chair TG
	 5.2 UKHO Satellite Derived Bathymetry (SDB) testing update Docs: - MACHC16-5.2 presentation on SDB OECS Chair invites Mr .Sam Harper to provide an update OECS project using SDB in combination with MBES (maximum 15 minutes). 	Mr. Sam Harper

	 5.3 Satellite Derived Bathymetry (SDB) Docs: - MACHC16-5.3.A overview presentation on SDB Following 15th MACHC, chair invites EOMAP representative to expand on recent development in SDB. (maximum 15 minutes) Items of interests are: Translation into/relation with S-44 standards Round truthing and/or combined technique eg with Lidar 	Mr. Thomas Heege (TBC)
	5.4 Geodetic reference frames (TBC)	TBD
	 5.5 Papers Industry and/or Nations Industry and/or nations are encouraged to present papers on emerging data acquisition techniques. Nations are encouraged to provide practical results with SDB Docs: -MACHC 16-5.5A Survey CEFAS using Backscatter (TBC) 	TBC
	This time frame focusses on the 'collection of (survey)-data' end and the supporting methodologies (risk based) and technologies.	
10:00-10:30	Coffee Break	
10:30-12:30	6. DTM and SDI	MEID Choir
	 6.1 Marine Economic Infrastructure Programme Working Group (MEIP WG) Doc:- MACHC16-06.1 MEIP Report (MEIP-WG) MEIP chair is invited to report on MEIP developments and challenges, and formulate proposals for consideration by members. This includes the need to revisit the TOR (maximum 30 Minutes) 	MEIP Chair
	6.2 Feedback MSDIWG - Docs: MACHC 16-6.2 - (maximum 10 minutes)	Netherlands
	 6.3 UN/UNGGIM (Americas) Docs: MACHC 16-6.3 (maximum 10 minutes) 	Mexico
	 6.4 Project for strengthening of Spatial Data Infrastructures (SDI) in the Caribbean /INEGI Docs: - MACHC 16-6.4 Chair invites INEGI representatives to provide an update of this project, also focussing on the relation with other projects (maximum 15 minutes) 	Mr. Felix Frias
	6.5 UN/GEBCO	TBD

	 Docs: MACHC 16-6.5 IHO Data Center for Digital Bathymetry (DCDB) developments and context regional project (vice-versa) -Crowd Sourced Bathymetry WG (maximum 10 minutes) 6.6 IBCCA Docs: - MACHC 16-6.6 Maximum 15 minutes 6.7 Papers Industry and/or Nations time available up to 1 hour 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). 	TBD TBD
12:30-13:30	Lunch	
13:30-13:30	7. Nautical Charts and publications	
	 7.1 MACHC Integrated Charting Committee (MICC) Doc:- MACHC16-7.1 MICC Report MICC Chair is invited to report on MICC developments and challenges, and formulate proposals for consideration by members MICC Chair is invited to provide an assessment of the revised management, review and monitoring methodology for new INT charts (IHB, CL 64/2015, dd 31-08-15). (maximum 30 minutes) 	MICC Chair
	 7.2 RENC Docs: MACHC 16-7.2 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 new regional offices and training activities. (maximum 15 minutes) 	Mr. James Harper
	 7.3 NOAA/WMS/ENC viewer Docs: MACHC 16-7.3 Chair invites NOAA to provide an update on population an d availability of the ENC viewer (maximum 10 minutes). 	Mr. Antony Klemm
	 7.4 Cruise Lines International Association (CLIA) (TBC) Docs: MACHC 16-7.4 Chair invites the CLIA representative to share his views on navigational safety and engage MACHC Members States in discussions to explore Cruise Lines requirements in this heavily traversed geographic area (Maximum 20 minutes). 	Mr.Charles Darr (TBC)
	 7.5: C-55, CATZOC and the IHO GIS Presentation by IHB 	IHB

	 Chair invites IHB to elaborate on the relation between C-55, CATZOC and the way CATZOC is used for the IHO-GIS (maximum 15 minutes) 7.6 Papers Industry and/or Nations time available up to 1 hour This timeframe focusses on the 'end-products' themselves that are available to the user of the sea (primarily safety of navigation) 	TBD
15:30-16:00	Coffee Break	
16:00-17:30	8. Impact of International bodies on the MACHC region	
	 8.1 International Maritime Organisation (IMO) Docs: MACHC 16-8.1 	Mr. Colin Young (TBC)
	 8.2 International Association off Marine Aids to Navigation and Lighthouse Authorities (IALA) on E-navigation Docs: MACHC 16-8.2 Following 15th MACHC, chair invites IALA representative to present further development regarding E-navigation. 	Mr. Stephen Bennett (TBC)
	9. Impact of Regional bodies in the MACHC region	
	 9.1 Comisión Centro Americana de Transporte Marítimo (COCATRAN) Docs: MACHC 16-9.1 Following 15th MACHC, chair invites COCATRAN representative. 	Mr. Otto Noack (TBC)
	 9.2 Caribbean Memorandum of Understanding (CMOU) Docs: MACHC 16-9.2 Following 15th MACHC, chair invites CMOU representative to report on preliminary findings of the Concentrated Information Campaign 2015 on safety of navigation 	Amb, Dwight Gardiner (TBC)
	 9.3 Caribbean Disaster Emergency Management Agency Following the 15th MACH, chair invites a CDEMA representative to present CDEMA in the context of the MACHC. 	Mr. Ronald Jackson
	<u>General remark</u> Chair invites the representatives of International and Regional Organizations to present the key (policy) developments in their organisations that affect the MACHC region (maximum 15 minutes each).	
19:00-21:00	Sponsored diner at the beach Restaurant	

Time	DAY FOUR OF MACHC16 Saturday, 12 December 2015 Business Casual (Short sleeved navy whites/ short sleeved wayabera/similar)	Responsible
08:00-10:00	10. Regional Capacity Building (CB)	
	 10.1 MACHC Capacity Building Coordination (CB) Docs:- MACHC16-10.1 CBC Report CBC chair/coordinator is invited to report on CB developments and challenges, and formulate proposals for consideration by members Members are invited to accepts the proposal for a Revised Terms of Reference of the CBC Maximum 30 minutes 	CBC Chair
	 10.2 Feedback CBSB Docs:- MACHC16-10.2 CBSC12 Report Maximum 15 minutes 	CBC Chair
	 10.3 International Association off Marine Aids to Navigation and Lighthouse Authorities (IALA) on training programs Docs: MACHC 16-10.3 Following 15th MACHC, chair invites IALA representative to present further development regarding IALA training programs (maximum 15 minutes). 	Mr. Stephen Bennett (TBC)
	 10.4 Project of FOCAHIMECA Docs: MACHC 16-10.4 New initiative with the aim to reinforce the hydrographic capability in the region (maximum 15 minutes) 	Capt Ricardo Lopez Cruz
	 10.5 Pan American Institute of Geography and History (PAIGH) Following the 15th MACHC, chair invites PAIGH to share lessons learned and illustrate ways ahead to improve effectiveness of capacity building (maximum 15 minutes). 	Mr. Paul Cooper (TBC)
	10.6 Papers Industry	TBC
10:00-10:30	Coffee Break	
10:30-12:30	11. Closing activities	Chair
	11.1 AOB	
	11.2 Review actions and decisions	
	 11.3 Lessons identified Chair invites participants to provide (procedural) issues to be 	

taken into account for future meetings	
 11.4 Next meeting Docs:- MACHC16-11.4 Proposal Letter(s) Short presentation by candidate Host Nation (s): Basil, City of Belém. 	Brazil

Annex: Agenda and Time table of the 6th MACHC meeting

Risk assessment meeting of 9 December

Background

In recent years the potential utility of GIS based hydrographic risk assessment and survey prioritisation tools has been well demonstrated. As a consequence there is a growing body research in this area being conducted by a number of organisations within in the hydrographic community. This interest reflects the broad application of these approaches in informing decision and policy making, whether it be as part of a national survey programme or focusing capacity building effort. The challenge for the hydrographic community is understand what the dependencies, limitations and opportunities are when developing these tools, and how they can be best deployed.

Description

This meeting will be an opportunity for participants to provide a high level brief on what work has been completed to date and to hear from colleagues what challenges, solutions and future requirements have been identified. The meeting itself will be split into two sections:

- 1) Participants who have conducted work on this subject will be invited to give a 5 minute flash presentation covering what they have achieved, challenges/limitations that have been identified and their view on how this work can/should be progressed.
- 2) A group discussion that will aim to capture:
 - a. Can a consensus on minimum source data requirements be met?
 - b. How could these tools be used to support Capacity Building?
 - c. Is there a need to capture and provide 'best practice' guidance?
 - d. How should this work be progressed?

The meeting will be chaired by Mr Sam Harper, UKHO International Hydrographic Projects Manager. The outcome of the meeting will be reported to the MACHC plenary session





16th MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION MEETING St John's, Antigua 07th to 12th December 2015

Participant Registration Form

Please sent the completed registration form via e-mail to: <u>info@hydro.nl</u> and <u>kmcghie@abregistry.ag</u> **latest 01 November 2015**

Member State / Organization	
1. Contact Details	
Head or Member of delegation	
Rank or Title Family Name ¹	
Given or Personal Name	
Position / Job title / Role	
Nationality	
Telephone	
Fax	
E-mail	
Spouse/Partner Travelling	
Special Dietary Requirements (Please State Type)	

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

2. <u>Travel Details</u> (For administrative purpose only). Participants are expected to make their own travel arrangements.

Flight Number	
Airline	
Arrival date/time	
Departure date/time	

3. <u>Hotel Information</u> (For administrative purpose only). Participants are expected to make their own accommodation arrangements.

Hotel booking	Jolly Beach Resort	Yes/No Yes/No	
Signature		Date	





16th MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION MEETING St John's, Antigua

Wednesday 09th December 2015

Participant Registration Form for the Working Groups

Please sent this registration form via e-mail to: <u>sf.v.leeuwen.toet@mindef.nl</u>

before 15 October 2015

Member State / Organization	
1. Contact Details	
Family Name ¹ Personal Name E-mail	

2. Participate in:

Working groups

MICC/MEIP	Yes/No
Ship visit	Yes/No
Risk Assessment Meeting	Yes/No
Capacity Building WG	Yes/No