



Date: 3 September 2014

To: MACHC Members

**Subject: Meso American & Caribbean Sea Hydrographic Commission (MACHC)
Capacity Building Work Program: Seminar on Raising Awareness of Hydrography,
Manzanillo, Colima, Mexico, 9-10 December 2014**

Dear MACHC Colleagues,

1. The 2014 International Hydrographic Organisation (IHO) Capacity Building Work Programme provides support for the delivery of, and attendance at a seminar on *Raising Awareness of Hydrography* with the objective of providing participants with an understanding of hydrographic governance and how best a coastal State can meet its international obligations to provide hydrographic services.
2. The seminar will be held in Manzanillo, Colima, Mexico, from 9 to 10 December 2014 and will precede the 15th meeting of the MACHC (11 to 13 December 2014). Seminar participants are expected to remain in Manzanillo and to attend the 15th MACHC to experience how an IHO Regional Hydrographic Commission (RHC) functions and assists in the regional delivery of hydrographic services. Outline details of the seminar are provided at Annex A. Please note that all presentations will be delivered in English.
3. All meals, accommodation and travel will be provided and funded by the IHO Capacity Building Fund for **ONE** participant per country. **However, please note that no monetary allowances will be paid to participants. Any associated expenses beyond the meals, accommodation and travel provided by the CB Fund, such as travel insurance, pocket money, etcetera must be covered by the candidate or the candidate's organization.**
4. Applications should be sent, by email, using the accompanying Application Form (Annex B), to Steve Barnett, (email address: steve.barnett@ukho.gov.uk), **no later than 24 October 2014**. It is important that the application form is completed electronically and returned as an Excel file or in an Excel-compatible format.
5. In order to enable the purchase of e-tickets to selected participants, application forms should be accompanied by a copy of the applicant's passport and a reliable e-mail address for the forwarding of ticket details. Please note that if participants require a visa in order to attend the workshop they should apply as soon as they are accepted on the course.
6. If any successful applicant subsequently fails to attend the course and the MACHC meeting due to their own negligence or omission, the IHO will seek to recover the costs incurred from their employing authority.
7. Should you need more information or have any special request, please contact me directly at info@mas.sr.

Sincerely yours,

P.P. 

M. Amafo LL.M (IMLI)
Director Maritime Authority Suriname and MACHC Chair

Distribution List:

- 1.- Bahamas
- 2.- Belize
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- 10.- Honduras
- 11.- Nicaragua
- 12.- Panama
- 13.- St Kitts & Nevis
- 14.- St Lucia
- 15.- St Vincent & the Grenadines

Copy to:

- 16.- Mr Alberto Costa Neves (IHB)
- 17:- Mr Jeff Bryant (CB Coordinator MACHC)

Attachments:

- Annex A: Course Outline
Annex B: Digital Application Form

NOTE: To improve efficiency this letter is being sent only by e-mail.

3 September 2014

**MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION
(MACHC)
SEMINAR ON RAISING AWARENESS OF HYDROGRAPHY
Tuesday 09th December to Wednesday 10th December 2014
PROGRAMME OUTLINE**

09:00	Day 1	
09:30	Welcome Address by Host Nation	
	Opening Speech	
09:45	The Need for Hydrography	IHO President
	Administration	
10:00	Participants introduce themselves Logistics briefing	Chair Hosts
10:30	<i>Coffee Break</i>	
	Morning Session	
11:00	<u>Importance of nautical information</u> <ul style="list-style-type: none"> • Hydrography: International Obligations on States • Role and Function of the IHO • IHO Capacity Building and Developing Hydrographic Capabilities • IMO Objectives and its role in the safety of navigation 	IHB IHB IHB IMO
12:30	<i>Lunch</i>	
	Afternoon Session I	
14:00	<u>The basic activities of hydrographic offices: the IHO M-2 publication related to National Maritime Policies and Hydrographic Services</u> <ul style="list-style-type: none"> • The importance of accurate nautical information (phase 1 – MSI) • Methods and instruments to optimize surveys (phase 2 – national hydrographic office development) • Nautical chart production (phase 3 – chart production) 	UKHO (UK) SHOM (France) UKHO (UK)
15:30	<i>Coffee Break</i>	
	Afternoon Session II	

16:00	<ul style="list-style-type: none"> • Data management – a separate activity? • Economic impact and benefits of hydrography (Blue Economy) and the MEIP (Maritime Economic Infrastructure Programme) <p><u>The organization of a National Hydrographic Office</u></p> <ul style="list-style-type: none"> • USA – Navocean • Mexico - DIGAOHM • Brazil - DHN 	<p>Oceanwise</p> <p>UKHO (UK)</p> <p>NAVO DIGAOHM DHN</p>
17:00	Questions & Discussion	
09:00	Day 2	
	Morning Session I	
09:00	<p><u>Application of hydro-cartographic products and services</u></p> <ul style="list-style-type: none"> • Case Study 1: Barbados Coastal Zone Management Unit Project • Case Study 2: Gulf of Honduras Project • Case Study 3: INSPIRE – data interoperability • Case Study 4: SHOM Maritime Spatial Data Infrastructure - INFRAGEOS 	<p>Barbados CZMU IHO UKHO (UK) SHOM (France)</p>
10:30	<i>Coffee Break</i>	
	Morning Session II	
11:00	<p><u>Application of hydro-cartographic products and services (continued)</u></p> <p><u>Regional initiatives, projects and opportunities</u></p> <ul style="list-style-type: none"> • Organisation of Eastern Caribbean States (OECS) hydrographic survey project • Risk assessment based methodology to establish survey priorities 	<p>ADOMS & UKHO</p> <p>USA</p>
12:30	<i>Lunch</i>	
14:00	Afternoon Session I	
	<p><u>Regional initiatives, projects and opportunities (continued)</u></p>	<p>ADOMS & UKHO</p>
15:30	<i>Coffee Break</i>	
	Afternoon Session II	
16:00	Questions & Discussion	All
17:30	Closure	

1	BAHAMAS, Nassau International, Bahamas	Mr. Richard Hardy	richardhardy@bahamas.gov.bs
2	BELIZE	Major John Flowers	bjportauth@btl.net
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15	St. Vincent & the Grenadines	Commander David Robin	svgmarad@gmail.com