



**16th NORTH INDIAN OCEAN
HYDROGRAPHIC COMMISSION CONFERENCE**

**Chittagong, Bangladesh
14-16 March 2016**

**Draft Annotated Agenda V2
(10 March 2016)**

1. Opening

1.1 Opening Remarks by the Chairman

The Chair, Rear Admiral M Makbul Hossain, OSP, BCGM, ndu, psc (Bangladesh) will welcome NIOHC Members and participants to the conference.

1.2 Opening Remarks by Director IHB

Rear Admiral (Retd) Mustafa Iptes (Director, IHB) will welcome the delegates to the conference.

1.3 Address by Chief Guest

The Chief Guest will address delegates of the conference.

1.4 Administrative Arrangements

The Chairman will invite a host representative to provide the conference participants with the required administrative details.

The secretariat will circulate a draft version of NIOHC16-01e (List of Participants) requesting participants to review and confirm the information contained is correct.

1.5 Agenda and Timetable Approval

Docs: NIOHC16-01a Draft Agenda

NIOHC16-01b Draft Annotated Agenda

NIOHC16-01c Timetable

The secretary will introduce the Draft Agenda (NIOHC16-01a) and Timetable (NIOHC16-01c). Members will be invited to comment and adopt the documents.

Article 9 of the Statutes state that:

a) The Agenda shall be adopted by the Commission at the beginning of each Conference.

b) The Commission may modify in the course of the Conference the order in which Agenda items are to be discussed.

1.6 List of Documents

The Chairman will introduce NIOHC16-01d (List of Documents). Participants are

expected to have downloaded all available documents from the IHO Website and have bought them to the conference.

2. 15th NIOHC Minutes approval

Docs: NIOHC16-02 Minutes of the 15th NIOHC Conference

The Chairman will ask delegates to confirm that these are a true reflection of the last meeting's proceedings.

3. 15th NIOHC Actions List review

Docs: NIOHC16-03 Status of Actions from 15th NIOHC Conference

The Chairman will provide an update on the status of the List of Actions arising from the 15th Conference.

NIOHC Members who have been identified as responsible for any of these actions should be ready to provide a status report. The Commission should decide on the best course of action for those activities that have not been completed.

Discussion on some actions may be covered under later agenda topics if the Commission deems appropriate.

4. Review of the Statutes of the Commission

4.1 Designating of the NIOHC representatives to the IHO Council

Mr. Mustafa Iptes, director IHB, will brief on the composition of the IHO Council and present a sample template describing the procedure for designating of the NIOHC representatives to the IHO Council which should be an Annex to the Statutes of the Commission subject to the approval of the Commission.

5. IHO/IHB Matters

5.1 IHB Report

Docs: NIOHC16-05a IHB Report

The Chair will invite Mr. Mustafa Iptes (Director, IHB) to provide the report of the IHB to the 16th NIOHC Conference.

5.2 NIOHC Report to IRCC7 (Inter Regional Coordination Committee)

Docs: NIOHC16-05b NIOHC Report to IRCC

Commodore Sheikh Mahmudul Hassan (Bangladesh) will provide an overview of the NIOHC report to IRCC7.

5.3 IRCC7 Report (Inter Regional Coordination Committee)

Docs: IRCC6 List of Actions

Mr. Mustafa Iptes will update delegates on the last IRCC Meeting.

List of actions from IRCC7 relevant to NIOHC region are listed in the table below. The full list of IRCC7 actions can be found upon the IHO website <http://www.iho.int>.

No	Agenda	Responsible	Deadline	Status
IRCC7/01	Encourage the approval of pending applications for IHO membership	RHC Chairs	Report to IRCC Chair Dec 2015	Permanent.
IRCC7/02	Continue to engage pending applicants in their region to encourage the ratification of the IHO Convention	RHC Chairs	Report to IRCC Chair Dec 2015	Permanent.
IRCC7/03	Consider the participation of stakeholders at the RHC conferences	RHC Chairs	Report to IRCC Chair Dec 2015	Permanent.
IRCC7/05	Provide the IRCC Chair with progress reports on the relevant tasks in the IHO 2015 Work Programme	RHCs and IRCC Subsidiary organs	Jan 2016	Permanent.
IRCC7/07	Provide to the IRCC Chair the estimated values of SPIs and agreed WPIs as of 31 December 2015 and target values for 31 Dec 2017, complemented by the comments on the difficulties encountered and suggestions for a way forward	RHCs	Jan 2016	Permanent
IRCC7/08	Invite GEBCO Guiding Committee /Bathymetric Regional Project Chairs to attend corresponding RHCs meetings, aiming at strengthening collaboration with a priority on improving high resolution shallow water bathymetry at the regional level	RHCs / GEBCO	Report to IRCC Chair Dec 2015	Permanent
IRCC7/09	Encourage MSs and representatives of industry and academia to promote and to work together to ensure that the best possible use is made of Satellite Derived Bathymetry	RHC Chairs	Report to IRCC Chair Dec 2015	Permanent
IRCC7/09	Encourage MSs and representatives of industry and academia to promote and to	RHC Chairs	Report to IRCC Chair Dec 2015	Permanent

	work together to ensure that the best possible use is made of Satellite Derived Bathymetry			
IRCC7/15	Provide material to the IHB to promote the achievements of IRCC bodies	RHC Chairs and subsidiary bodies	Report to IRCC Chair Dec 2015	Permanent
IRCC7/17	Encourage National Hydrographers to invest in English language training in order to increase the chances of their candidates being selected to Cat A and Cat B training courses delivered in English	RHC Chairs	IRCC8	Permanent
IRCC7/18	Facilitate resolution of important inconsistencies between paper charts and ENCs and between ENCs from different producers as identified by the RENCs or otherwise	RHC Chairs	IRCC8	Permanent
IRCC7/19	Encourage MSs in their respective regions to use the Risk Assessment methodology to establish Hydrographic Survey priorities	RHC Chairs	IRCC8	Permanent
IRCC7/26	report to IRCC on the status of the RHC procedures for selecting their respective representatives to the Council	RHC Chairs	IRCC8	
IRCC7/41	consider incorporating hydrography in more comprehensive maritime projects as a way of raising awareness and funds from Donor agencies and to report progress to IRCC	RHCs	IRCC8	
IRCC7/48	Consider nominating regional representatives on the MSDIWG	RHCs	December 2015	

5.4 WEND-WG Report (Worldwide ENC Database – Working Group)

Docs: WEND-WG Minutes

Mr. Mustafa Iptes and Mr. David Wyatt will provide an update on the work of the Worldwide ENC Database Working Group (WEND-WG) and report on actions affecting the NIOHC region.

5.5 HSSC7 Report (Hydrographic Services and Standards Committee)

Docs: HSSC7 Minutes

Mr. Mustafa Iptes and Mr. David Wyatt will provide an update on the work of the Hydrographic Services and Standards Committee and report on actions affecting the NIOHC region.

5.6 IHO Year Book P-5

P-5 is the source for information such as IHO membership details, contact points for countries hydrographic responsibility, survey and training capacity.

Countries in attendance will be asked to check the current edition of this publication and provide the IHB with an update, if required.

5.7 Status of Hydrographic Surveying and Nautical Charting Worldwide C-55

Nations should have included their update to C-55 within their National Report. Mr. David Wyatt (IHB) will provide a report of the development of C-55 to the NIOHC.

5.8 Marine Spatial Data Infrastructure (MSDI)

Docs: IHO C-17 - Spatial Data Infrastructures: "The Marine Dimension" - Guidance for Hydrographic Offices http://www.iho.int/iho_pubs/CB/C-17_e1.1.0_2011_EN.pdf

Delegates are strongly encouraged to read C-17 as it sets out the need for MSDI.

6. National Reports

Docs: NIOHC16-6xx

Under this agenda item it is expected that all member states representatives will provide a summary of their National Reports. This will enable non-NIOHC members to assess their status and highlight successes. The National Report should be written based on the model presented at the IHO Technical Resolution T1.3, and should include updates to C-55 and Marine Spatial Data Infrastructure (MSDI) progress.

*A copy of the model report as described above can be found here:
http://iho.int/mtg_docs/rhc/templates/Struct_NationalReports_Eng.pdf*

It is expected that only the key elements of the national report will be emphasized, possibly within a short presentation (five minutes).

7. NIOHC Committees and Working Groups

The Reports should be compiled under Doc NIOHC16-07, identifying the body to which the report refers.

7.1 North Indian Ocean Chart Coordination Working Group (NICCWG)

Docs: NIOHC16-04.4b Draft Annotated Agenda NICC Working Group Meeting

Chair of the NICCWG (India) will report on the status of the INT chart scheme and ENC coverage, including new requirements and modifications proposed to the scheme, and the production status following on from the NICCWG Meeting. The Commission will be invited to comment on the reports and to provide guidance to the Chair on actions to be developed by both the NIOHC and the WG chairs.

7.2 North Indian Ocean Hydrographic Commission Capacity Building

7.2.1 Update on Capacity Building activities and submissions since the last meeting.

Jeff Bryant (UK) the NIOHC CB Coordinator will provide a breakdown of courses, delegates and progress since the last meeting for IHO CB funded projects.

7.2.2 Report on IHO CB Courses since the last NIOHC Meeting.

Jeff Bryant (UK) the NIOHC CB Coordinator will make a report on IHO CB Courses since the last NIOHC Meeting.

7.2.3 Update on the 5 year Capacity Building.

Courses proposed for funding, progress within the region and end goals for CB within the NIOHC region.

7.2.4 IC-ENC Training and Capacity Building (IC-ENC).

James Harper (IC-ENC) will present on IC-ENC Training and Capacity Building.

7.2.5 Status of Hydrographic Cooperation in Mauritius (20 Minutes presentation by India)

Representative of India will present the status of Hydrographic Cooperation in Mauritius. The presentation will be highlighting the systematic approach adopted by India over the last five years which have resulted in targeted achievements.

8. Relevant International Organizations' Report

The following Organizations have been invited to attend the 16th NIOHC and to provide a report on their activities and experiences. These reports are an excellent information source for the commission in identifying actions required to fulfill its objectives. The commission will be invited to comment on the reports submitted and to identify actions that should be taken.

8.1 General Bathymetric Chart of the Oceans (GEBCO)

Dr. Rochelle Wigley, GEBCO, will attend the NIOHC and to discuss the regional mapping initiatives.

The GEBCO consists of an international group of experts who work on the development of a range of bathymetric data sets and data products, including gridded bathymetric data sets, the GEBCO Digital Atlas, the GEBCO world map and the GEBCO Gazetteer of Undersea Feature Names.

When needed, GEBCO will initiate its own regional bathymetric mapping projects, drawing on the expertise and regional knowledge of local experts including GEBCO colleagues and in particular the GEBCO/Nippon Foundation Scholars.

9. Maritime Safety and the World Wide Navigational Warning Service.

Navigational Warning Area Coordinators will present on the maritime safety and the world wide navigational warning service.

David Wyatt will present details from the recent IMO Navigation, Communications, and Search and Rescue Sub-Committee meeting and anything from the WWNWS-SC Document Review Working Group meeting. He will also put a proposal to the Commission to add a National MSI report as an annex to the National Reports.

10. Towards Data Centricity / e-Navigation to recognise its importance to the mariner and future hydrographic products.

The development of a strategic vision for e-navigation, to integrate existing and new navigational tools, in particular electronic tools, in an all-embracing system that will contribute to enhanced navigational safety (with all the positive repercussions this will have on maritime safety overall and environmental protection) while simultaneously reducing the burden on the navigator.

Delegates are strongly encouraged to discuss on Towards Data Centricity and on E-Navigation.

11. Experience in Dealing with Maritime Disasters in relation with IHO

Guidelines

The member states having the experiences in dealing with maritime disaster will discuss the matter in relation with IHO guidelines.

Mr. Mustafa Iptes, Director IHB will provide input in general and recent experiences on maritime disasters in South West Pacific Region.

12. Crowd Sourced Bathymetry

David Wyatt (Assistant Director, IHB) will have a presentation on Crowd Sourced Bathymetry. He will also put an update from the CSBWG2 Meeting held at Boulder in February. Further discussion will be held on CSB and how they may be of benefit to the supply of data within the NIOHC region.

13. Satellite Derived Bathymetry

Delegates will discuss on the use of satellite bathymetry and subsequent use of the

hydrographic data and how it may be of benefit within the NIOHC region.

UK and France may provide an up-date on their work and trials.

14. Bangladesh's experiences of surveying and charting a dynamic river environment

Presentation by representative of Bangladesh on Bangladesh's experiences of surveying and charting in a dynamic river *environment*.

15. IHO Certified Cat 'A' and Cat 'B' course and suitable course for Survey Technician for Mauritius under IHO/NIOHC Capacity Building Plan. (Mauritius)

Representative of Mauritius will raise the issue on the subject "IHO Certified Cat A and Cat B course and suitable course for Survey Technician for Mauritius under IHO/NIOHC Capacity Building Plan".

16. The outcome of the modernisation of the local Omani geoid. (Oman National Survey Authority and IIC to update)

Oman National Survey Authority and IIC Technologies will update on the outcome of the modernization of the local Omani geoid.

17. Industrial Participants' Presentation.

17.1 The New Standard S-100 and CARIS: Hands-on Approach

The representative of Caris will have a presentation on "The New Standard S-100 and CARIS: Hands on Approach".

17.2. Presentation by IIC Technologies

IIC Technologies will have a presentation

17.3 Presentation by PRIMAR.

The representative of PRIMAR will have a presentation.

17.4 Presentation by SevenCs GmbH

The representative of SevenCs GmbH will have a presentation.

18. Any other Business

Last minute subjects for discussion can be raised under this item.

Ideally substantial matters should be raised well in advance with the chair in order for all delegates to prepare for detailed discussions.

19. NIOHC Report to IRCC 8

Delegates are invited to discuss what the NIOHC report to IRCC8 shall contain and if any issues need to be taken forward to IRCC or its subordinates.

20. Date and Venue of the next conference

Participants are invited to consider date and venue for the next meeting taking into account articles 4 and 5 of the statutes.

Article 4 states: "The Commission shall meet annually, in ordinary Conference, within the region."

Article 5 a states: "At the end of each Conference, the Members desirous of hosting the following Conference shall put forward their candidatures. Priority shall be given to a country, which has not yet hosted a Conference, or to the one, which did so the longest time ago. In cases of equal priority a ballot shall be held, the decisions being taken by a simple majority of Members present. The Chairman shall take up his duties within four months from the end of the Conference."

21. Election of Chair and Vice Chair

Members are invited to consider the election of the new Chair and Vice Chair as per articles 1 d and e.

Article 1 d states: "Associate Members shall have the same rights and obligations as the Members of the Commission, except the right to vote or be elected Chairman."

Article 1 e states: "At the conclusion of the Conference the Vice Chairman for the next Conference shall be elected and shall take up his duties within four months following the Conference. He shall remain in office until the end of the next Conference. In the normal course of events the Vice Chairman will succeed as the Chairman at the conclusion of the next Conference."

22. Approval of the Action List

The Chair and participants will review decisions and actions agreed during the meeting with the delegates concerned to ensure they are satisfied with the wording, timescales, etc.

23. Closing Remarks from the Chair and handing over the NIOHC Flag to the New NIOHC Chair

The Chair will put the closing remarks at the end of the 16th NIOHC Conference and then he will hand over the NIOHC Flag to the new Chair for the year 2016-2017.