MINUTES OF THE THIRD MEETING OF THE IHO INTER REGIONAL COORDINATION COMMITTEE

IHO-IRCC3 Niteroi, Brazil, 26-27 May 2011

The third Meeting of the IHO Inter Regional Coordination Committee (IRCC) was held at the Directorate of Hydrography and Navigation (DHN) of the Brazilian Navy, Niteroi, BRAZIL, from 26 to 27 May 2011. All Members of the Committee - with the exception of the Chair of the World-Wide Navigational Warning Service Sub-Committee (WWNWS) and the Chair of the International Board on Standards of Competence (IBSC) - as well as delegates from individual IHO Member States and one NGIO accredited to the IHO were present. (See **Annex A**).

1.- Opening of the Meeting.

IGA Gilles Bessero, IRCC Chair, opened the meeting and welcomed IRCC Members and Observers, stressing the importance of the work of the IRCC in the perspective of the forthcoming XVIIIth International Hydrographic Conference in 2012. He thanked DHN for the organization of the meeting. He referred to the recent passing away of VAdm Franco, former Brazilian Hydrographer and IHB Director, and offered the Brazilian Navy, and particularly the DHN and Admiral Franco's family, the condolences on behalf of the IRCC members.

VAdm Fernando Palmer thanked the Chair for his kind words and welcomed the participants. The participants were invited to introduce themselves for the benefit of those attending IRCC for the first time.

The Chair introduced the Agenda (Doc. IRCC3-01D) and the Timetable (Doc. IRCC3-01F) that were unanimously adopted. The Secretary introduced the List of Documents (Doc. IRCC3-01A) including the latest documents received. The Annotated Agenda (Doc. IRCC3-01E) was used as the guiding document for the progress of the meeting.

The Host offered information on housekeeping arrangements.

2.- Report by the Chair and pending matters

2.1.- Report by the Chair

The Chair recalled the main objectives of the Committee and provided a general overview of events and activities since IRCC2. He noted that all IRCC bodies had conducted normally their activities in line with the IHO Work Programme. He made reference to the IRCC annual report 2010 (Doc. IRCC3-02.1) a document that the Committee considered of great value. The Committee encouraged the Chair to continue this practice of preparing such document.

The Chair invited the Committee to focus its energy on three outstanding themes:

- Capacity building activities,
- ENC coverage and related issues,
- IHO corporate issues.

2.2.- Status of IHO membership

EAtHC and MACHC Chairs reported on actions conducted aiming at the reinsertion of the suspended member in their Region, Democratic Republic of the Congo and Dominican

Republic, respectively. Unfortunately no progress has been made. IHB efforts also have not had positive results and therefore it was decided to keep action IRCC02/04 on going. IMO and IOC meetings were identified as alternatives to reach these countries authorities with the IHO's concern.

The IRCC Secretary reported on the status of pending IHO membership (Mauritania, Bulgaria, Cameroon, Sierra Leone) and the corresponding RHC Chairs indicated that actions have not had positive results.

The Committee invited RHCs to continue encouraging the re-insertion of suspended Member States and to encourage pending applicants to deposit their instruments of accession. The IHB was invited to prepare a dossier to assist officials in accomplishing the process and to request a reminder through Monaco Government.

IRCC03/03: (EAtHC with UK and FR support and MBSHC with TR support): Contact pending applicants in their region to encourage the ratification of the IHO Convention.

IRCC03/04: (EAtHC and MACHC): Contact suspended Member States in their region to encourage their re-insertion in IHO.

IRCC03/06: (IHB): Remind applicants and suspended States of the procedures to reclaim or obtain IHO membership, through Monaco Government, informing RHCs involved.

The Secretary also reported on the status of pending approval for membership application (Montenegro: 1 vote missing as of 15/09/2010 and Haiti: 6 votes missing as of 14/03/2011). The Committee reviewed the list of IHO MS which could be targeted in order to expedite the process. RHCs were invited to continue to encourage their MSs to take action.

IRCC03/02: (RHCs): Encourage the approval of pending applications for IHO membership.

2.3.- Status of approval of amendments to the IHO Convention

The Secretary reported on the overall status of approval of the amendments to the IHO Convention (30 notifications as of 08/02/2011).

RHC Chairs reported on progress in their Region according to the IRCC action plan of 10 Oct. 2010 (Doc. IRCC3-02.3). The EAtHC Chair reported that Portugal had already approved the Protocol of Amendments on 12 May 2011. The SAIHC Chair reported that South Africa had also approved the Protocol of Amendments and that the formal notification to the Monaco Government was underway.

The Committee discussed ways to reach the target of 48 notifications of approval not later than three months before the opening of the next IHO Conference (i.e. 23 January 2012). Noting that positive signals from 20 Member States had been reported to the Committee, it was agreed to invite the IHB to produce a reminder to MSs and also to request the Monaco Government to pursue this matter via diplomatic channels.

IRCC03/01: (RHCs): Implement actions to accelerate the process of ratification of the Protocol of Amendments to the IHO Convention in order to meet the end of 2011 deadline. IRCC03/05: (IHB): Request Monaco Government to send a Diplomatic Note to governments of MSs that have not yet ratified the Protocol of Amendments to the IHO Convention in order to reiterate the importance of meeting the end of 2011 deadline.

2.4.- Status of Action List from IRCC2

The Chair reviewed the list of actions agreed at the IRCC2 (Doc IRCC3-02.4B). Actions IRCC2/01 to 04 had been dealt with under items 2.2 and 2.3. Action IRCC2/05; 09, 13, 14; 15; 16 and 17 were left to be discussed at a later stage, during the relevant agenda items. Actions IRCC2/07; 08; 10; 11 and 12 were considered done.

With regard to IRCC02/06 on the composition of the IHR Editorial Board and noting that some RHCs have not nominated yet a representative to the IHR Editorial Board, the Committee agreed to invite the Chairs of ARHC, EAHC, MBSHC, RSAHC, USCHC to nominate a member, and SWAtHC to replace the nominated member.

NHC and the NIOHC Chairs indicated that it has been decided that the Chairs will represent the RHCs at the IHR Editorial Committee.

IRCC03/07: (ARHC, EAHC, MBSHC, RSAHC, USCHC, SWAtHC): Nominate a representative to the IHR Editorial Board and report to the IHB.

3.- Actions and inputs from IRCC Bodies

The Chair invited Chairs of IRCC Bodies to report briefly on the activities of their bodies and introduce recommendations or other items relevant for IRCC consideration.

3.1.- Regional Hydrographic Commissions

RHC Chairs summarized the activities of their Commissions, reported on actions since IRCC2 and offered comments/recommendations for IRCC consideration (Doc. IRCC3-03.1A to 03.1O). The main elements are provided below:

The NHC referred to the work reported by other RHCs, such as the BSHC, on the methodology of displaying survey data. Noting that little progress has been made by correspondence on WEND subjects, it was recommended that a WENDWG meeting should take place to consider all the outstanding issues.

The NSHC referred to the need of establishing the southern border of the ARHC and to amend the INT Chart scheme accordingly due to the recent establishment of the ARHC. Following discussion on this subject the Committee agreed to ask the ARHC to resolve this definition in conjunction with the neighbouring RHCs and to report back at IRCC4.

IRCC03/08: (ARHC): Resolve the definition of the southern borders of the ARHC and associated INT Chart scheme in conjunction with neighbouring RHCs.

The EAHC stressed the importance of capacity building (CB) actions and reported on the website established by the Commission and the success of its operation.

The USCHC reported on its ongoing work in relation with action IRCC02/05, referred to a NOAA GIS-based display of survey status as one model under consideration and indicated that both this and a maritime disaster action plan are subjects that will be discussed at the next meeting. The presentation of the United States - Canada Transboundary ENC Project illustrated constructive technical solutions for handling trans-boundary issues in ENCs in order to avoid overlaps, even in disputed areas. The U.S.-Canada Transboundary ENC Project Report with full details can be found on the USCHC section of the IHO Website. The Committee noted that the project was a valuable input for the WENDWG (see item 3.5).

The BSHC presented a report on displaying survey status which led the Committee into discussing at length the objectives, contents and procedures associated with C-55. It was finally agreed that UK would lead the design of a suitable framework for C-55 development taking into account the various inputs. The resulting "framework paper" can then be discussed by MSs at IRCC4 or IHC, if IRCC feels necessary.

IRCC03/09: (UK [lead], CBSC, RSAHC, SAIHC, EAtHC, MBSHC, MACHC, NIOHC, SWHC, BSHC): UK to lead the design of a framework for C-55 development by correspondence.

Note: this action was amended after the meeting at the request of the lead (UK).

The EAtHC Chair reported on some of the CB initiatives in his region and also on the translation of the Manual on Hydrography into Portuguese. He indicated that Congo (Brazzaville) had expressed its interest to join the IHO.

The SEPHC shared with the Committee the experiences in managing the two tsunamis that had affected the region.

The SWPHC emphasized the need to address somehow the issue of INT charts and ENCs overlap. It also referred to the MOU in the process of being signed between the IHO and the Secretariat of the Pacific Community¹.

The Chair of both MACHC and NIOHC noted the importance of intersessional work plans to progress RHC issues and suggested that the MACHC experience could be seen as a model for other Commissions to follow. He reported on the CB plan of activities and shared ideas on ways to improve effectiveness of the training delivered, mainly through standardization of the courses. He also referred to MACHC procedure in development for checking the performance of a cross section of regional ENCs on an ECDIS in operational conditions as an input to be considered by the WENDWG (see item 3.5) when available. The Committee invited MACHC to make its action plan available to other RHCs.

IRCC03/10: (MACHC): Provide as an example the MACHC action plan to other RHCs for consideration in promoting intersessional continuity.

The **SAIHC** Chair informed the Committee that Namibia has been selected as an alternative venue for the next SAIHC Conference.

The ARHC reported on the Commission's establishment. It was indicated that UK application for associate member had not been accepted yet. The Committee noted that the Statutes of the Commission provide for the acceptance of associate members and observers to be decided by consensus of the members and agreed that the issue would be revisited next year.

The reports of all RHCs including MBSHC, RSAHC and SWAtHC were noted by the Committee.

The Committee acknowledged that the components of Action IRCC02/05 had been fully discussed. It agreed to keep as on going for the next period the actions related with the implementation of the guidance for the preparation and maintenance of International chart schemes, the experience in dealing with marine disasters in relation with IHO guidelines (TR 1/2005) and the strategies to involve non-IHO MSs in RHC's activities.

¹ Post-meeting note: the IHB Directing Committee reported that the MOU had been signed through CL 35/2011 of 1st June 2011.

IRCC03/18: (RHCs): Update the report to IRCC Chair on the implementation of the guidance for the preparation and maintenance of International chart schemes (CL 23/2010 of 3 March 2010).

IRCC03/19: (RHCs): Report to IRCC4 on:

- a) their experience in dealing with marine disasters in relation with IHO guidelines (TR 1/2005),
- b) strategies to involve non-IHO MSs in RHC's activities.

3.2.- Hydrographic Commission on Antarctica

The HCA Chair summarized the activities of HCA (Doc. IRCC3-03.2). Despite the agreements reached with different bodies, such as ATCM, IAATO and COMNAP, the shortage of hydrographic data is constraining the production of the charts identified in the INT Chart scheme for region M. The Committee took note of the precarious situation on the availability and quality of hydrographic data of Antarctica, but agreed that this is not a particularity to Antarctica, as other regions such as the SW Pacific and the Caribbean show similar situations. Following discussions, the Committee agreed that a call should be made to IMO and all opportunities should be used to highlight the need to increase the availability of reliable hydrographic information.

IRCC03/11: (IHB in connection with WENDWG): Incorporate in the periodic evaluation of the availability of ENC submitted to IMO (NAV) consideration on the impact of poor bathymetric data availability, datum mis-adjustment problem, and other relevant factors.

3.3.- World-Wide Navigational Warning Service Sub-Committee

In the absence of the WWNWS Sub-Committee Chair, the Committee noted the report (Doc. IRCC3-03.3) and commended the SC for its work. The Secretary drew the attention of Committee on the availability of MSI training documentation in three languages.

3.4.- Capacity Building Sub-Committee

The CBSC Chair summarized the activities of CBSC, particularly the outcomes of the 9th CBSC meeting held the previous days. He referred to the contributions made to the IHO CB effort by the Republic of Korea and by Japan. He mentioned as well the importance to have in all RHCs in need of strong CB support, a responsible person in charge of CB matters to ensure continuity. Finally the CBSC Chair highlighted the need to comply with some administrative regulations in order to have a speedy funding process; to make reports available as soon as activities are finalized and to work on inputs for the CB 5 years WP 2013-2017. The Committee appreciated the report, thanked the outgoing Chair for his efforts and tasked RHCs to ensure the timely implementation of the procedures in force.

IRCC03/12: (RHCs): Ensure the timely provision of the appropriate documentation that justify expenses associated to CB projects, and to demand refund, if needed, not later than one month after the event has finalized.

3.5.- WEND Working Group

The WENDWG Chair reported on the activities of the WG in accordance with action IRCC02/14 (Doc. IRCC3-03.5).

In the light of the modest progress made, due to several reasons, it was evident for the Committee that communications require to be improved. Following a recommendation to have a meeting of the WENDWG, the WENDWG Chair agreed to explore opportunities in due course, to ensure the progress of the activities the WG should tackle.

After discussions, the Committee requested the RHCs to report to the WENDWG Chair on the implementation of the WEND Principles and on the validity of an analysis conducted by the WENDWG already submitted to the RHCs.

Also the Committee requested the WENDWG Chair to prepare and circulate a draft report on the implementation of the WEND Principles, including feedback from industry. The WG was invited to consider in this report the trans-boundary technical solutions implemented by the USCHC; the checking of the performance of ENCs on an ECDIS as recommended by MACHC and the outcomes of the RENC-RENC Workshop. The draft report would then be circulated to RHCs for further comments.

IRCC03/13: (RHCs): Report to the WENDWG Chair on the implementation of each item of the WEND Principles and on the validity of coverage and overlap analysis submitted by the WENDWG.

IRCC03/14: (WENDWG): Prepare and circulate to RHCs Chairs and IRCC Chair a draft report on the implementation of the WEND Principles, including feed back from industry. The Report shall also consider:

- a) the USCHC trans-boundary project as a technical solution for handling boundary issues in ENC production and
- b) MACHC procedure (under development for the next MACHC meeting) of checking the performance of a cross section of regional ENCs on an ECDIS in operational conditions to detect any issues of concern.

IRCC03/15: (RHCs): Provide to the WENDWG Chair and IRCC Chair comments on the draft report on implementation of the WEND Principles.

3.6.- FIG-IHO-ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers

The report submitted by the IBSC Chair was tabled (Doc. IRCC3-03.6). It was noted that the cost recovering mechanism had been implemented, that the new editions of S-5 and S-8 had been made available on the IHO website and that a procedure supporting the recognition of individual competency had been established and detailed in the abovementioned publications. The Committee noted that the IBSC will provide parent organizations with an updated ToR and RoP following the minor editorial changes introduced due to the cost recovery mechanism put in place.

3.7.- GEBCO Guiding Committee

The GGC Vice-Chair summarized the activities of GGC and reported on action IRCC02/17, highlighting the good relations between several regional bathymetric projects and the corresponding RHCs (Doc. IRCC3-03.7). The issue of the availability and sensibility of data was discussed. The IHO Data Centre for Digital Bathymetry, offered to collaborate with the IHO IRCC to acquire hydrographic/bathymetric data and build improved

regional and coastal digital elevation models (DEMs) for international coastal communities. These DEMs could form the basis of tsunami forecast models that will be provided to the host countries to enhance tsunami forecasts and warnings from the Tsunami Warning Centers. On another subject, it was identified that the beneficiaries of the Nippon Foundation/GEBCO Training Project could work in partnership with the RHCs.

During the discussion the idea to have a GEBCO representative attending each relevant RHC meeting was reinforced and agreed.

IRCC03/17: (RHCs/GEBCO): 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.

4.- Inputs from other bodies affecting IRCC

4.1.- Input from HSSC2 (including planning of the IHO Stakeholders' Forum)

The Chair referred to three subjects:

With regard to proper referencing to the definitions from the Hydrographic Dictionary (S-32), the Chair indicated that he was not aware of the effective use of the old "index numbers" in any publication maintained by IRCC and its subordinate bodies but he invited IRCC members to check the proper referencing to S-32 and the relevant terms and definitions when revising existing documents or drafting new documents.

The second subject dealt with the IHO Stakeholders' Forum. The Chair introduced a paper on the IHO Stakeholders' Forum (Doc. IRCC3-04.1B) and invited views from the Committee. After a lengthy discussion the Committee recognized the importance of ECDIS related issues and recommended to focus the relations with stakeholders on them. It agreed that it was too premature to organize a Forum prior to or in connection with the IHC in April 2012, but asked the Chair to liaise with the HSSC Chair providing the views of the IRCC on the way forward, aiming at submitting a report to the XVIII IHC.

IRCC03/21: (Chair): Inform HSSC on IRCC views on the way forward in interacting with stakeholders and submit a report to the XVIII IHC.

The third subject related to IHO resolution 2/2007. The Chair introduced a paper (Doc. IRCC3-04.1C) and invited views from the Committee. The Committee agreed to request the IHB to submit the amended draft to MSs for approval. The list of publications to which the amended resolution would apply was noted.

IRCC03/20: (IHB) Submit the amended draft of IHO Resolution 2/2007 to MSs for approval, based on IRCC3-04.1C.

4.2.- Status of co-operation with non IHO bodies

The Chair invited additional inputs on relations with non IHO bodies not already covered in the preceding items. Following some general discussions the Committee felt that it was not required to adopt any particular action.

5.- Review of Terms of Reference and Rules of Procedure

The Chair invited the Committee to maintain the ToR and RoP as they are and not to generate a discussion around this subject due to the short time passed since these were adopted. The Committee agreed with the proposal from the Chair.

6.- IRCC Work Programme management

6.1.- Input from and to the IHO Work Programme

The Chair summarized the items of interest to IRCC in the IHO Work Programme for 2011 and in the 2012 Work Programme (Doc. IRCC3-06.2 - annex B). Following discussion, the Chair requested all bodies to provide inputs for the preparation of the 2012 IHO WP.

IRCC03/22: (IRCC Members): Provide IRCC Chair with input for the preparation of the 2012 IHO WP complementing Annex B to IRCC3-06.2 as appropriate. IRCC Chair to provide input to IHB.

6.2.- Input to the IHO Strategic Planning Mechanism

The Chair introduced the paper on IRCC input to the IHO strategic planning mechanism (Doc. IRCC3-06.2) and invited views from the Committee. After extensive discussion the Committee agreed that based on the discussion and on information to be provided by RHCs, the Chair shall provide advice to the IHB in the reviewing process of the implementation mechanism at the end of the 2012 annual cycle.

IRCC3 4/2012 Implement strategic mechanism

Provide advice to IHB to review the implementation of the new planning mechanism at the end of each annual cycle in 2012. (Ref. 4th EIHC Decision 7).

6.3.- Input to the XVIIIth International Hydrographic Conference

The Chair reminded the Committee of the Conference (or Assembly) that will take place in April 2012. The Chair invited the Committee to consider the following topics:

- a) contribution for the IRCC 2007-2012 Report,
- b) contribution for the preparation of the 2013-2017 IHO Work Programme
- c) proposals for consideration by the Conference / Assembly, if any.

After discussing all these elements, the Committee was of the opinion that the IRCC Report shall be provided by the Chair to the IHB; that the inputs for the 2013-2017 IHO WP shall be consolidated by the Chair and submitted to the IHB following guidance that the IHB will soon provide. Each RHC shall identify their CB needs for such period. Finally, any proposal from the IRCC bodies to be submitted to the Conference shall be part of the individual reports and later consolidated by the Chair in a single IRCC report.

IRCC03/16: Chair): Submit to the IHB the IRCC report for consideration by the XVIII IHC. IRCC03/23: (IRCC Members): Provide IRCC Chair with proposals to be included in the 2013-2017 IHO WP and Budget.

6.4.- IRCC Work Programme

The Committee concluded adopting the following Tasks for its WP:

TASK	LIST	RESPONSIBLE	DEADLINE
IRCC3	Inter Regional Coordinating Committee (IRCC)		
1/2012	Meeting.		
	See Item 7.		
IDCC2	D C CA WITH INC		A1 NATITE
		Chair	At the XVIII
2/2012	Report to the XVIII IHC (See action		IHC
	IRCC03/16).		
IRCC3	Preparation of Work Programme and Budget	Chair with the	01 November
3/2012	2013-2017	support of	2011
6,2012	Cooperate with the IHB in the preparation of the	Secretary	
	2013-2017 IHO Work Programme and Budget to		
	be submitted to the XVIII IHC (Assembly) in		
	2012. (Ref. 4 th EIHC Dec. 5) (See action		
	IRCC03/23).		
IRCC3	Implement strategic mechanism	Chair	01 March
4/2012	Provide advice to IHB to review the		2012
	implementation of the new planning mechanism		
	at the end of each annual cycle in 2012. (Ref. 4 th		
	EIHC Decision 7).		

7.- Next IRCC meeting. Venue and date.

The Chair invited proposals for the venue and dates for IRCC4 keeping up with the IHO Conference in April 2012. UK volunteered to host IRCC4 and CBSC10 back to back during the first week in June 2012 in a venue to be determined.

IRCC3 1/2012 <u>Inter Regional Coordinating Committee (IRCC) Meeting.</u>
Organize, prepare and conduct IRCC4 in conjunction with the CBSC Meeting, on the first week of June, venue to be decided, hosted by UK.

8.- Any other business

8.1.- World Hydrography Day 2011

The Chair reminded the Committee of the theme for WHD 2011: "Human resources – The important element to the success of Hydrography" and invited comments on the implementation. All participants agreed on the importance to take advantage of such celebration.

The Committee also exchanged views on a potential theme for 2012. Different areas were mentioned around the following subjects:

- Making ENCs work for you!!
- Hydrography the fuel for ECDIS mandating !!

- Hydrography an essential element for E- Navigation !!.
- Hydrography in the context of the transition to the digital era!!

The Committee did not agree on a definitive title, but offered these areas for further consideration.

Post-meeting note: by CL43/2011 dated 21 July 2011, the IHB Directing Committee proposed the theme for the celebration of WHD in 2012 to be: "International Hydrographic Cooperation - supporting safe navigation" and the IMO Council has endorsed a proposal by the IMO Secretary-General to adopt "IMO: One hundred years after the Titanic" as the World Maritime Day theme for 2012.

8.2.- 6th Global Oceans Conference 2012

The Chair introduced the paper on the Global Forum on Oceans, Coasts and Islands at Rio+20 (Doc. IRCC3-08.2A) and invited views from the Committee on possible IHO involvement. The Committee agreed that the IHB in conjunction with the SWAtHC Chair should consider the appropriate level of IHO participation in this event.

IRCC03/24: (IHB with SWAtHC): Consider the appropriate level of participation in the RIO + 20 processes, in line with the IHO strategic directions.

8.3.- IRCC Report for 2011

The Chair invited comments on the preparation and contents of the IRCC Report for 2010. The Committee found that the report was a good collection of the activities of the IRCC and agreed to ask the Chair to follow similar procedure in preparing the IRCC Report for 2011.

9.- Decisions of the IRCC

The Chair reviewed the decisions from the meeting for final approval by the Committee. The Committee agreed on the Action List and IRCC Tasks as included in Annex B

10.- Recommendations of the IRCC for consideration of the IHO Member States.

The Chair noted the recommendation proposing an amendment to IHO resolution 2/2007. The IHB Directing Committee was invited to circulate the proposal for the consideration of IHO Member States.

11.- Closure of the meeting.

The Chair thanked the participants and the hosts and adjourned the meeting at 1600, on June 27, 2011.

Monaco, 11 July 2011

Annexes:

A: List of Participants.

B: Action List and IRCC Tasks.

ANNEX A THIRD MEETING OF THE IHO INTER REGIONAL COORDINATION COMMITTEE IHO-IRCC3

Niteroi, Brazil, 26-27 May 2011

LIST OF PARTICIPANTS

A - IRCC MEMBERS - CHAIRPERSONS AND DELEGATES

REPRESENTING	TITLE	NAME	E-MAIL ADDRESS	
Chair	Ing. Gen.	Gilles Bessero	gilles.bessero@orange.fr	
Vice Chair	Captain	Abri Kampfer	hydrosan@iafrica.com	
Secretary	Captain	Hugo Gorziglia	hgorziglia@ihb.mc	
IHB	Captain	Alberto P. Costa Neves	alberto.neves@ihb.mc	
NHC	Commander	Lars Hansen	<u>lha@frv.dk</u>	
NSHC	Inf. Chef	Yves Guillam	yves.guillam@shom.fr	
EAHC	Vice Admiral	Prayuth Netrprapa	hydrotech@navy.mi.th	
EAHC	Captain	Bongkoch Samosorn	hydrotech@navy.mi.th	
USCHC	Captain	John E. Lowell , JR	john.lowell@noaa.gov	
USCHC	Deputy Director	Kathryn Ries	kathryn.ries@noaa.gov	
USCHC	Senior Int. Spec.	Jonathan Justi	jonathan.justi@noaa.gov	
MBSHC	Rear Admiral	Hakan Eraydin	director@shodb.gov.tr	
MBSHC	LtCommander	Bülent Gürses	bgurses@shodb.gov.tr	
BSHC	Captain	Henryk Nitner	nitner@mw.mil.pl	
EAtHC	Vice Admiral	Agostinho Ramos da Silva	ramos.silva@marinha.pt	
EAtHC	Commander	Fernando Artilheiro	fernando.artilheiro@gmail.com	
SEPHC	Commander	Enrique Silva	esilva@shoa.cl	
SEPHC	Commander	Jorge Pereira	jpereira@shoa.cl	
SWPHC	Commodore	Rod Nairn	international.relations@hydro.gov.au	
MACHC	Rear Admiral	Nick Lambert	nicholas.lambert@ukho.gov.uk	
MACHC	Dr.	Rob Hensley	rob.hensley@ukho.gov.uk	
MACHC	Mr.	Jeff Bryant	jeff.bryant@ukho.gov.uk	
MACHC	Mr.	Mark Aspden	mark.aspden@ukho.gov.uk	
SAIHC	Captain	Abri Kampfer	hydrosan@iafrica.com	
NIOHC	Rear Admiral	Nick Lambert	nicholas.lambert@ukho.gov.uk	
RSAHC	Mr.	Thani al Mahrouki	los@omantel.net.om	
SWAtHC	Captain	Carlos Pêgas	pegas@chm.mar.mil.br	
ARHC	Commander	Lars Hansen	<u>lha@frv.dk</u>	
HCA	Captain	Hugo Gorziglia	hgorziglia@ihb.mc	
CBSC	Mr.	Thomas Dehling	thomas.dehling@bsh.de	
CBSC	Mr.	Janis Krastins	janis.krastins@lja.lv	
WENDWG	Captain	Jamie McMichael-Phillips	jamie.mcmichael-phillips@ukho.gov.uk	

REPRESENTING	TITLE	NAME	E-MAIL ADDRESS	
GGC	Dr.	Christopher Fox	christopher.g.fox@noaa.gov	
RCTA	Mr.	Michael Bergmann	michael.bergmann@jeppesen.com	

B – OTHER COUNTRIES AND BODIES – CHAIRPERSONS AND DELEGATES

REPRESENTING	TITLE	NAME	E-MAIL ADDRESS	
Brazil	Captain	Carlos A. Pêgas Ferreira	pegas@dhn.mar.mil.br	
Brazil	Captain	Carlos A. M. Albuquerque	albuquerque@dhn.mar.mil.br	
Brazil	Captain	Frederico A. S. Nogueira	frederico.asn@gmail.com	
Brazil	Captain	Wesley Cavalheiro	wesley.cavalheiro@gmail.com	
China	Director	Ping Wang	wping@gdimsa.gov.cn	
China	Deputy Director	Binsheng Xu	xubinsheng@msa.gov.cn	
China	Deputy Director	Zhijie Lu	luzhijie98@163.com	
Japan	Mr.	Teruo Kanazawa	kanazawa-r4w@jha.jp	
Mexico	Commander	Marco Antonio Díaz Mejía	direccion.hidrografia.mexico@gmail.com	
Mexico	Commander	Hugo Cárdenas Verdugo	subhidroycartomx@gmail.com	
Mozambique	Director	Augusto Jessenao Bata	augustobata@yahoo.com.br	
Mozambique	Mr.	Humberto Raul Mutevuie	mutevuie@inahina.gov.mz	
Mozambique	Mr.	Herminio M. Chavango	hchavango@yahoo.com.br	
Nigeria	Commander	Ayo Olugbode	a_olugbode@yahoo.co.uk	
Norway	Mr.	Noralf Slotsvik	noralf.slotsvik@statkart.no	
Peru	Captain	Jose Gianella	jgianella@dhn.mil.pe	

ANNEX B THIRD MEETING OF THE IHO INTER REGIONAL COORDINATION COMMITTEE IHO-IRCC3

Niteroi, Brazil, 26-27 May 2011

ACTION LIST AND IRCC TASKS AGREED AT IRCC3

ACTION	LIST	RESPONSIBLE	DEADLINE
IRCC03/01	Implement actions to accelerate the process of	RHCs	Permanent.
	ratification of the Protocol of Amendments to		Report IRCC
	the IHO Convention in order to meet the end of		Chair 01
IRCC03/02	2011 deadline.	RHCs	October2011 Permanent.
IRCC03/02	Encourage the approval of pending applications for IHO membership.	KHCS	Report IRCC
	for fito memoership.		Chair 01
			October 2011
IRCC03/03	Contact pending applicants in their region to	EAtHC with UK	Permanent.
	encourage the ratification of the IHO	and France	Report IRCC
	Convention.	support and	Chair 01
		MBSHC with	October 2011
TD GG00/0/		Turkey support.	
IRCC03/04	Contact suspended Member States in their	EAtHC and	Permanent.
	region to encourage their re-insertion in IHO.	MACHC	Report IRCC Chair 01
			October 2011
IRCC03/05	Request Monaco Government to send a	IHB	As soon as
	Diplomatic Note to governments of MSs that		possible
	have not yet ratified the Protocol of		1
	Amendments to the IHO Convention in order to		
	reiterate the importance of meeting the end of		
	2011 deadline.		
IRCC03/06	Remind applicants and suspended States of the	IHB	As soon as
	procedures to reclaim or obtain IHO		possible
	membership, through Monaco Government, informing RHCs involved.		
IRCC03/07	Nominate a representative to the IHR Editorial	ARHC, EAHC,	30 December
	Board and report to the IHB.	MBSHC,	2011
	•	RSAHC,	
		USCHC,	
		SWAtHC	
IRCC03/08	Resolve the definition of the southern borders	ARHC	Next ARHC
	of the ARHC and associated INT Chart scheme		conference
IRCC03/09	in conjunction with neighbouring RHCs. UK to lead the design of a framework for C-55	UK(lead),	Report IRCC
110003/07	development by correspondence.	CBSC,	Chair 31 July
	F	RSAHC,	2011
		SAIHC, EAtHC,	
		MBSHC,	
		MACHC,	
		NIOHC,	
		SWPHC, BSHC.	

ACTION	LIST	RESPONSIBLE	DEADLINE
IRCC03/10	Provide as an example the MACHC action plan	MACHC	31 July 2011
	to other RHCs for consideration in promoting		
	intersessional continuity.		
IRCC03/11	Incorporate in the periodic evaluation of the	IHB in	In time for
	availability of ENC submitted to IMO (NAV)	connection with	NAV58
	consideration on the impact of poor	WENDWG	
	bathymetric data availability, datum mis-		
	adjustment problem, and other relevant factors.		
IRCC03/12	Ensure the timely provision of the appropriate	RHC	Permanent
	documentation that justify expenses associated		
	to CB projects, and to demand refund, if		
	needed, not later than one month after the event		
IDCC02/12	has finalized.	DIIC	20 I 2011
IRCC03/13	Report to the WENDWG Chair on the	RHCs	30 June 2011
	implementation of each item of the WEND		
	Principles and on the validity of coverage and overlap analysis submitted by the WENDWG		
IRCC03/14	Prepare and circulate to RHCs Chairs and	WENDWG	01 October
110003/14	IRCC Chair a draft report on the	WENDWO	2011
	implementation of the WEND Principles,		2011
	including feed back from industry. The Report		
	shall also consider:		
	a) the USCHC trans-boundary project as a		
	technical solution for handling boundary		
	issues in ENC production and		
	b) MACHC procedure under development for		
	checking the performance of a cross section		
	of regional ENCs on an ECDIS in		
	operational conditions.		
IRCC03/15	Provide to the WENDWG Chair and IRCC	RHCs	15 October
	Chair comments on the draft report on		2011
	implementation of the WEND Principles.		
IRCC03/16	Submit to the IHB the IRCC report for	Chair	01 November
TD CC02/17	consideration by the XVIII IHC.	DUG / CEDGO	2011
IRCC03/17	Invite GEBCO Guiding Committee /	RHCs / GEBCO	Permanent
	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.		
IRCC03/18	Update the report to IRCC Chair on the	RHCs	01 October
	implementation of the guidance for the		2011
	preparation and maintenance of International		
	chart schemes (CL 23/2010 of 3 March 2010).		
IRCC03/19	Report to IRCC4 on:	RHCs	IRCC4
	a. their experience in dealing with marine		
	disasters in relation with IHO guidelines		
	(TR 1/2005),		
	b. strategies to involve non-IHO MSs in		
	RHC's activities.		-
IRCC03/20	Submit the amended draft of IHO Resolution	IHB	30 June 2011
	2/2007 to MSs for approval, based on IRCC3-		

ACTION	LIST	RESPONSIBLE	DEADLINE
	04.1C.		
IRCC03/21	Inform HSSC on IRCC views on the way	IRCC Chair	20 September
	forward in interacting with stakeholders and		and 01
	submit a report to the XVIII IHC.		November
	_		2011
IRCC03/22	Provide IRCC Chair input for the preparation of	IRCC Members	30 June 2011
	the 2012 IHO WP complementing Annex B to		
	IRCC3-06.2 as appropriate.		
	IRCC Chair to provide input to IHB.	IRCC Chair	Mid July 2011
IRCC03/23	Provide IRCC Chair with proposals to be	IRCC Members	01 October
	included in the 2013-2017 IHO WP and		2011
	Budget.		
IRCC03/24	Consider the appropriate level of participation	IHB with	30 December
	in the RIO $+$ 20 process, in line with the IHO	SWAtHC	2011
	strategic directions.		

TASK	LIST	RESPONSIBLE	DEADLINE
IRCC3	Inter Regional Coordinating Committee	Chair with the	20 February
1/2012	(IRCC) Meeting.	support of	2012
	Organize, prepare and conduct IRCC4 in	Secretary and	
	conjunction with the CBSC Meeting, on the first	IHB	
	week of June, venue to be decided, hosted by		
	UK.		
IRCC3	Preparation of the XVIII IHC	Chair	At the XVIII
2/2012	Report to the XVIII IH (See action IRCC03/16).		IHC
IRCC3	Preparation of Work Program and Budget	Chair with the	01
3/2012	2013-2017	support of	November
	$\overline{Cooperate}$ with the IHB in the preparation of	Secretary	2011
	the 2013-2017 IHO Work Programme and		
	Budget to be submitted to the XVIII IHC		
	(Assembly) in 2012. (Ref. 4 th EIHC Dec. 5) (See		
	action IRCC03/23).		
IRCC3	Implement strategic mechanism	Chair	01 March
4/2012	Provide advice to IHB to review the		2012
	implementation of the new planning mechanism		
	at the end of each annual cycle in 2012. (Ref. 4 th		
	EIHC Decision 7).		