



IHB File No. CBC-1

CIRCULAR LETTER 74/2005  
27 July 2005

**THIRD MEETING OF THE IHO CAPACITY BUILDING COMMITTEE REPORT**

Dear Hydrographer,

The Third meeting of the IHO CBC was held at the Hotel Almirante Estelar, Cartagena, Colombia, on 01 and 02 June 2005 under the chairmanship of Captain Hugo GORZIGLIA (IHB Director). The report of this meeting is enclosed herewith for your information.

Member States are kindly requested to provide their comments on the report and on the decisions taken no later than **1 September 2005**.

On behalf of the Capacity Building Committee, I would like to thank the Hydrographer of Mozambique for his very kind invitation to host the Fourth Meeting of the IHO CBC in Maputo. In view of the success of the Technical Workshop and MACHC special meeting, it was also agreed to invite the Chairman of the SAIHC to consider scheduling similar events in conjunction, as given below:

- 5 June - Technical Workshop on Phase 1 for SAIHC countries (activity identified in the CBWP 2006)
- 6 June - Special meeting of the SAIHC (new proposed activity for consideration)
- 7 and 8 June - 4<sup>th</sup> CBC Meeting (activity identified in the CBWP 2006)

On behalf of the Directing Committee  
Yours sincerely,

Captain Hugo GORZIGLIA  
Director

Encl: Report of the 3rd Meeting of the IHO Capacity Building Committee.

**REPORT OF THE THIRD MEETING OF THE IHO CAPACITY  
BUILDING COMMITTEE  
Cartagena, Colombia, 01-02 June 2005**

- Annex 1. List of Participants
- Annex 2. IHO Capacity Building Management Plan
- Annex 3. Reviewed CB Work Programme for 2005
- Annex 4. Approved CB Work Programme for 2006
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- Annex 6. Latest UN Resolution
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**REPORT OF THE THIRD MEETING OF THE IHO CAPACITY  
BUILDING COMMITTEE  
Cartagena, Colombia, 01-02 June 2005**

The Third meeting of the IHO CBC was held at the Hotel Almirante Estelar, Cartagena, Colombia, 01 and 02 June 2005 under the chairmanship of Capt. Hugo Gorziglia (IHB Director). The following were present:

1. Capt. H. Gorziglia (IHB - Chairman)
2. Capt. M. Barritt (UK - Vice-Chairman)
3. Capt. F. Bermejo (IHB - Secretary)
4. Capt. R. Nairn (Australia)
5. Ing. Gen. M. Le Gouic (France)
6. Mr. T. Dehling (Germany)
7. Capt. V. Badhwar (India)
8. Capt. F. Angli (Mexico)
9. Mr. F. Klepsvik (Norway)
10. Mr. S. Harvey (USA)
11. Rear Admiral Cely (Colombia, observer)
12. Capt. C. Tejada (Colombia, observer)
13. Mr. D. Travin (IOC, observer)
- Lt. A. Acanda Reyes (Cuba, observer)

The CBC regretted the absence of the representatives from Chile, Mozambique and New Zealand. The List of Participants including their e-mail addresses is provided in **Annex 1**.

**Agenda Item 1: Opening and Welcome to New Members**

**Agenda Item 1.1: Welcome**

Captain Gorziglia opened the meeting and welcomed the participants, in particular the new CBC members from Australia, Germany, Mexico and USA. He also thanked the Colombian Hydrographer, Rear Admiral Cely, for hosting the meeting.

He gave a general report on the activities carried out since the Second CBC meeting and stressed the fact that Capacity Building activities within the IHO were becoming more and more important. "Capacity building" is now a standing agenda item for all meetings of the Regional Hydrographic Commissions and other IHO bodies.

A summary of actions carried out during the inter-sessional period is given below:

- a) Maritime Countries were informed about UN Resolution A/RES/58/240 by means of an IMO letter prepared jointly with IHO. All IMO Member States are now aware of the message that the United Nations has provided through that Resolution. The IHO representatives also briefed IMO countries on the importance of this Resolution at various meetings of the IMO organs.
- b) Following a request made by the CBC Chairman, the IHO Regional Hydrographic Commissions now consider Capacity Building matters at all of their meetings.

Proposals resulting from these discussions will hopefully be submitted to the CBC for inclusion in the CB Work Programme on a yearly basis. Some proposals have already been submitted by NIOHC, EAHC and SAIHC, as well as some individual countries.

- c) The action assigned to the Chairman “to take action to establish an IHO Capacity Building Fund” was completed and such a Fund is now operational. This meant that substantial progress had been made as it will allow the CBC not only to receive resources, but also to invest those resources in accordance with the needs and priorities considered and agreed at the CBC meetings.
- d) Finally, the task of organizing the 3<sup>rd</sup> CBC Meeting had been strongly supported by the Direccion General Maritima (DIMAR) and the Centro de Investigaciones Oceanograficas e Hidrograficas (CIOH) of Colombia who had also successfully contributed to organizing : a Technical Workshop on Phase 1 of development of hydrographic surveying and nautical charting capability, specially for MACHC and a special meeting of the MACHC for the Caribbean States, taking advantage of the presence of those Caribbean countries which usually cannot participate in MACHC meetings. The Chairman stressed that the attendance of most countries of the Caribbean and Central America had been possible thanks to financial support from the CBC Fund and from the UKHO.

#### **Agenda 1.2 Approval of the Agenda and Timetable**

The Chairman introduced the Draft Agenda and Timetable that were approved by the CBC Members with the inclusion of two new items: one to discuss and analyse the Balance Score Card and the second to consider a presentation from the IOC Observer.

#### **Agenda 1.3 List of Documents**

The Chairman introduced the List of Documents. The IOC Observer requested that his contribution be included as an Information Document; this was agreed. Also it was requested that National Reports not provided earlier be included as part of document CBC3-12. As all documents are posted on the IHO web site, under the CBC section, they are not included in this report.

#### **Agenda 1.4 Local Arrangements**

The Colombian delegate explained the administrative arrangements.

#### **Agenda Item 2. Minutes of the Second Meeting**

The Secretary of the CBC presented the Minutes of the last CBC Meeting. The participants provided some minor amendments and approved the minutes.

#### **Agenda Item 3. Review of List of Actions from the Second Meeting**

The Secretary of the CBC commented briefly on the actions agreed at the last meeting. Actions 1, 2, 3, 5, 6, 9, 10 and 11 were considered fully implemented. The members responsible for their accomplishment reported on the progress made. The remaining actions were discussed and the following comments made:

Item 4. Submission of regional projects to CBC should be considered as a permanent task of RHCs, and therefore they should be formally requested to include this matter on their agendas.

Item 7. Study concerning the possible holding of a Donors Conference is in progress. France, who is leading this study, indicated that it was premature to organize such an event and it seems appropriate to wait to have various projects tabled for funding. The Committee agreed with the French proposal that progress should be reported at the next Meeting.

Item 8. The objective behind the need to have a Guideline of Assessment Criteria seems to have been misunderstood and further explanation was provided by the Vice Chairman. His offer to complete the drafting process was accepted by the Committee. CBC Members will send him their contribution.

Two other agreements were reached:

- a) To include the latest UN and IMO Resolutions on Hydrography as Annexes to this Report. See Annexes 6 and 7.
- b) The “Balanced Scorecard” methodology was considered inappropriate for a subsidiary organ, and it was agreed that the Chairman should request that the SPWG include performance review in the next stage of its work, including the definition of performance indicators for the subordinate committees.

#### **Agenda Item 4: Reports by IHB.**

##### **4.1 Establishment of the CBC Fund**

The last CBC Meeting tasked the Chairman to “take action to establish an IHO Capacity Building Fund”. The Chairman reported on the actions carried out to establish the above-mentioned Fund as well as its actual status. The Chairman explained that no provisions had been made when the 2002 Conference approved the IHO Work Programme and Budget, but a solution was found through an administrative resolution that was approved by Member States. The Chairman reported that it was possible to increase the contribution to the CB Fund by 50,000 Euros at the close of the financial year 2004, an initiative that was appreciated by the Committee. The Norwegian delegate was optimistic about future contributions from his country to the CB Fund but he stated that this item required time, due to the existing procedures. The Chairman also reported on the intentions of some countries to make contributions to the CB Fund and that a Memorandum of Understanding between the IHO and one Member State is under consideration. The Chairman stated that the IHB has, for the time being, the required human resources to run the CB Fund. Finally he stated that two requisites were essential in the administration of the CB Fund:

- 1) Never provide 100% support to any initiative. Progress must be achieved with the active contribution and participation of the beneficiary parties, and
- 2) Always respect the rules that have been agreed, without exception.

The careful application of these principles is a key factor to ensure transparency and confidence in the system.

## **4.2 Progress of the Management Plan and projects received from RHCs.**

The Vice Chairman reported on the progress made in the compilation of proposals from Regional Hydrographic Commissions and individual countries.

Considerable effort was devoted to this matter by the CBC Members. Finally the discussions resulted in an updated IHO Capacity Building Management Plan that was finalized during the meeting and is provided in **Annex 2**.

The CBC saw the merits of an initiative submitted by Nicaragua related to the provision of a basic hydrographic training course. It was considered that it might be a useful pilot project. But, before granting support, it was agreed that advice should be sought from the IAB and that the MACHC should endorse the project.

A hydrographic project submitted by Tanzania was also considered and it was decided to seek the views of the SAIHC before the CBC could take any decision.

The Vice-Chairman and the Secretary were tasked to develop Guidelines for the Submission of proposals to the Management Plan. These Guidelines should be distributed, when ready, to the Chairmen of RHCs to help them in the presentation of projects to the CBC.

## **4.3 Report on the progress of the 2005 Work Program.**

The Chairman reported on the progress achieved regarding the CBWP 2005. The most important items achieved are detailed here below:

### **4.3.1 Technical Visits to be paid by IHB to:**

#### **a) ASEAN countries, Myanmar and Cambodia.**

This visit was not undertaken, as the IHB did not receive any reply from Myanmar and Cambodia to the IHB invitation. Therefore, this task has been deleted from the 2005 WP.

#### **b) Central American countries**

Visits were made to Guatemala, Honduras, Nicaragua, El, Salvador and Panama. Costa Rica, Belize and Mexico will be visited at a later date.

#### **c) Baltic Sea countries**

This visit was originally under consideration for 2005 or 2006. It has been postponed to 2006, due to other IHB commitments. Nevertheless, contacts have been initiated and coordination is underway for 2006.

#### **d) Funding agencies**

No visits have been scheduled to funding agencies. There is no particular reason to pay any visit unless a project is to be started or submitted, or an intention of submission of project is known.

#### **4.3.2. 3<sup>rd</sup> CBC Meeting to be held probably in Colombia, May/June.**

Arrangements were made with the Colombian authorities who agreed to host the meeting in Cartagena de Indias, together with the Technical Workshop on Phase 1 and an extraordinary meeting of the MACHC, specially organized to brief Caribbean countries on the activities of MACHC. The value of this programme, first adopted in the SWPHC region in 2004, was endorsed by the committee.

#### **4.3.3. SWPHC AT technical visit co-chaired by Australia/New Zealand**

The SWPHC Chairman is coordinating the visit with the relevant authorities. Under this item, the Australian Hydrographer, on behalf of the SWPHC Chairman, indicated that this Technical Visit might be carried out at a later date. It was agreed that the funding which had been ear-marked would remain in the CB WP.

#### **4.3.4. Technical Workshop on Phase I for MACHC, especially East Caribbean State Islands, to be held in conjunction with 3<sup>rd</sup> CBC Meeting**

Coordination was made with Caribbean and Central American countries and financial support for subsistence and accommodation provided by the CB Fund. The UKHO also provided substantial support for travel.

#### **4.3.5. Support attendance of some participants from MACHC, SEPHC and SWAtHC to assist Multibeam Course in the Americas.**

Provision to fund the attendance of three students to a Multibeam Course in Plymouth (UK) in Autumn 2005 has been made. The CBF will support all costs except return air tickets. Applications are expected to reach the IHB no later than 25 June.

#### **4.3.6. One week Seminar for Chairmen of National Hydrographic Committees (or equivalent) of EAthC, to be held at IMA, Trieste, Italy, second semester.**

Following coordination with the Chairman of the EAthC, the IHB issued invitation letters to the EAthC countries involved in the WAAT project, as well as to some international organizations such as IMO, IALA, IOC, FIG, IMA, that have been requested to provide lecturers to the Seminar. The Seminar will be held from 10 to 14 October at IMA, Trieste, Italy.

As a result of the new Management Plan agreed by the CBC members, the Work Programme for 2005 was amended. (**Annex 3**).

#### **Agenda Item 5: Progress of S-55 data base development and maintenance.**

The Vice Chairman, as S-55 project leader, reported on this matter. The Colombian representative made a presentation about the methodology followed by his country to complete the S-55 Questionnaire. The CBC found that the Colombian method was very accurate and complete and that it should be given as an example to other countries. The Chairman suggested that Colombia send an article about this matter to the International Hydrographic Review for publication, and also brief participants of the SEPHC and the

Committee of Hydrography of the PAIGH, bodies that will meet in early July and where Colombia will participate.

The Vice-Chairman reported that the updating procedure of S-55 is now with the IHB and requested that RHCs be asked to consider the issue of keeping S-55 updated, as a standing item on their meeting agendas.

**Agenda Item 6 : Reports from IHOCBC Members on RHC activities not covered in the CB WP.**

The CBC members presented reports on Capacity Building efforts undertaken by their countries, both within the RHCs and in co-operation with the IHB. The reports will be made available on the IHO Web Page (Capacity Building Committee).

Some actions decided from the presentations were endorsed and were later considered when preparing the List of Actions, under Agenda Item 11.

**Agenda Item 7 : Establishment of the 2006 CBWP.**

Using the updated Management Plan and the draft CBWP for 2006 approved at the last meeting of the CBC, the Committee approved the 2006 CBWP as in **Annex 4**. Also a draft W.P. for 2007 (**Annex 5**) was approved on the understanding that its content be revisited and amended as necessary at the next CBC Meeting.

**Agenda Item 8 : Discussion on Medium and Long-term CB activities.**

The Chairman reminded members that the CBC Work Programme will be injected in the IHO Work Programme and that this was one of the reasons why CBC meetings would be held no later than June every year. He highlighted that future CB activities, in particular the content and layout of a complete 5 Years CB Work Program and Budget (2008-2012) should be prepared in advance for endorsement at the next CBC Meeting, to ensure inclusion in the General IHO 5-Year Work Program and Budget (2008-2012). A Task Group was formed to prepare a draft document for the next meeting. The Group, formed by the CBC Chairman, Vice-Chairman and the representatives from Australia and India and the Secretary, agreed to work by correspondence.

CBC members also agreed that the Management Plan and CBC Work Programmes should not develop strategies other than those arising from specific proposals and input from the Regional Hydrographic Commissions and that any individual proposal should be presented through the corresponding RHC of the area. This was again the message from the CBC to the RHCs: an increasingly pro-active performance was vital.

**Agenda Item 9 : Report of the WG studying a Donors Conference.**

As indicated in Agenda Item 3 "Review of List of Actions from the Second Meeting", under Item 7, the issue of the study of a Donors Conference was not further discussed.

**Agenda Item 10 : List of Actions with deadlines and assigned lead.**

A List of Actions following the items discussed and agreed was presented by the Secretary and endorsed by the CBC members. The List is provided in **Annex 8**.



## **Agenda Item 11 : Date and place of the 4<sup>th</sup> Meeting**

Following the kind invitation of Mr. Albano Gove, the Hydrographer of Mozambique and Member of the CBC, the Committee agreed to express thanks to Mr Gove for his kind offer to host the meeting and accepted the invitation to hold the 4<sup>th</sup> CBC Meeting in Maputo, Mozambique, from 05 to 08 June 2006.

In view of the success of the Technical Workshop and MACHC special meeting, it was also agreed to invite the Chairman of the SAIHC to consider scheduling similar events in conjunction, as given below:

5 June -Technical Workshop on Phase 1 for SAIHC countries (activity identified in the CBWP 2006)

6 June - Special meeting of the SAIHC (new proposed activity for consideration)

7 and 8 - 4<sup>th</sup> CBC Meeting (activity identified in the CBWP 2006)

The CBC Chairman was tasked to coordinate these events with the Chairman of SAIHC and Mr. Albano Gove.

## **12. Closure**

The Chairman thanked all Members for their participation and contribution to the success of the meeting. Indeed the target was achieved and the IHO now has a clear guideline on where CB efforts will be made in 2006. The Chairman stressed the need for permanent communications and coordination among the Members to ensure the fulfilment of the identified actions.

The Chairman adjourned the meeting at 1715 on 2 June 2005.

LIST OF PARTICIPANTS

<b>Member State</b>	<b>Name</b>	<b>E-mail</b>
<b>Chairman</b>	Capt. GORZIGLIA (Chairman)	<a href="mailto:hgorziglia@ihb.mc">hgorziglia@ihb.mc</a>
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**ANNEX 2 dated 2 Jun 05**  
**IHO CAPACITY BUILDING MANAGEMENT PLAN (Issue 2)**

**Guidance Notes**

- Capacity building actions which have been approved by the IHOCBC for the next year will be highlighted in yellow, and those for the following year in grey. Ongoing actions will be high-lighted in purple.
- Entries in the **Country** and **Project/Assistance required** columns which have no supporting detail are utilised to give visibility to requirements which have been identified through the S-55 process or other channels, but which require RHC endorsement.

Priority	Sponsor RHC	Country/Countries	Project/ Assistance required	Response	Cost	Allocation	Benefits
Approved for 2005	MACHC	Belize, Guatemala, Honduras	WB "Gulf of Honduras" Environmental Protection and Coastal Zone Management Project: - Capacity building component for hydrography.	Advice a. IHB and UK S-55 Coordinator to assist development of prioritised national survey plans and specification of project pilot phase survey b. IHB visits to high-level officials c. Travel and subsistence funding (15 days in country) for Technical adviser (Cat A surveyor from MACHC MS) to make an assessment for definition of pilot phase survey and to train points of contact.	Complete  Complete  €7k	€7k	Risk reduction + Potential to reduce risk on regional routes and in approaches to ports. <b>Opportunity</b> + Improve opportunity score through enhanced government engagement.
2 Complete Outturn €-k	MACHC	10 regional states, especially E Caribbean Islands	Technical Workshop on Phase 1 Capacity	Funding Travel and subsistence for 10 participants	€8k	€8k	Phase 1 Capability increase
Approved item 2006	MACHC	12 regional states	IHB Symposium for NHC Chairmen, to be held in Panama	Funding a. Lecturers (tbc) b. Travel and subsistence for 12 participants	€20k	€20k	Phase 1 Capability increase.
Approved item 2006	MACHC	E Caribbean island states	a. Brief CARICOM Meeting of	Funding Travel and subsistence	a. €2k	a. €2k	Phase 1 Capability increase.

			Transport Ministers. b. Follow up visits to countries visited in 1998, and visits to other island states.		b. €13k	b. €13k	
Approved item 2006	MACHC	Nicaragua	Training Course in basic practical surveying	<u>Funding</u> Conduct of 3 week course (lecturer, materials, travel).	€7k	€7k Subject to FIG/IHO Advisory Board assessment of content and competency of lecturers. Result to be fully evaluated by MACHC.	FIG/IHO Advisory Board support. Future potential as sub-regional course. Develop prototype generic course?
3 Ongoing. In budget	MACHC, SEPHC and SWaTHC	States of the regions	MBES Course	<u>Training</u> a. Travel funding for 3 students.	€9k	€9k	Phase 2 Capability increase for conduct or oversight of MBES surveys.
IHB WP 2006	BSHC	Estonia, Latvia, Lithuania	Technical Visit	IHB visit.	Covered by IHO budget.		Raise awareness at governmental level, and prepare way for Phase 1 Technical Workshop.
Candidate item 2007	BSHC MBSHC	States of the regions	MBES Course	<u>Training</u> a. Travel and subsistence for 6 students.	€20k		Phase 2 Capability increase for conduct or oversight of MBES surveys.
Approved item 2006	EAtHC	18 countries between Strait of Gibraltar and River Congo	IHO Hydro West Africa Project: - Project CHARMER	<u>Project Management</u> Input to definition study (IHB and MS).	€5k	France to provide detail of application of funding.	
4 Ongoing. FR will meet any overspend	EAtHC	“	IHB Seminar for NHC Chairmen	<u>Training</u> a. Lecturers (IHB, MS). b. Travel and subsistence funding.	€20k	€20k	Phase 1 Capability increase. Linked to Project CHARMER.
	SAIHC	Comoros, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, S Africa, Tanzania	WB GEF West Indian Ocean Marine Highway Project	<u>Advice</u> a. Input to Project management on capacity building and training issues (MS input).	NO CBF INPUT AT THIS TIME		

Approved item 2006	SAIHC	States of the region	Technical Visit to 8 countries	<b>Funding</b> Travel and subsistence	€10k	€10k	Raise awareness at governmental level, and prepare way for Phase 1 Technical Workshop. Linked to WB GEF WIO MH Project.
Approved item 2006	SAIHC	States of the region	Technical Workshop on Phase 1 Capacity in Maputo	<b>Funding</b> Travel and subsistence for 10 participants	€10k	€10k	Phase 1 Capability increase Linked to WB GEF WIO MH Project.
	SAIHC	Tanzania	National Hydrographic Project	<b>Funding</b> Consultant and travel.	€62k	Refer to SAIHC for assessment.	
Approved item 2006	RSAHC EAHC	States of the regions	MBES Course	<b>Funding</b> Travel and subsistence for 6 participants	€20k	€20k	Phase 2 Capability increase for conduct or oversight of MBES surveys.
Candidate item 2007	RSAHC NIOHC	Djibouti, Egypt, Eritrea, Saudi Arabia, Sudan, Yemen	Technical Workshop on Phase 1 Capacity	<b>Funding</b> a. Lecturers and facilities (tbc).  b. Travel and subsistence for 6-12 students.	a. Met by MS contributions.  b. €12k .		Phase 1 Capability increase. Risk Reduction + Potential to reduce risk on international and regional routes and in port approaches.
Approved Item 2006	NIOHC RSAHC	Eritrea, Saudi Arabia, Yemen and Kuwait	Technical Visit, to include contact with PERSGA national representatives.	IHB visit.	Covered by IHO budget.		Raise awareness at governmental level, and prepare way for Phase 1 Technical Workshop.
Candidate item 2007	NIOHC RSAHC	Egypt, Sudan, Djibouti and others to be determined	Technical Visit, to include contact with PERSGA national representatives.	IHB visit or team from NIOHC MS.	Covered by IHO budget; additional €12k for extra visits.		Raise awareness at governmental level, and prepare way for Phase 1 Technical Workshop.
Candidate item for 2007 to be submitted to IHOCBC4 in 2006	NIOHC	Seychelles, Sri Lanka, Thailand	Technical Workshop in region on MBES	<b>Funding</b> a. Funding of lecturers and facilities (MS tbc). India to confirm availability of MBES simulator and	b. €10k.	NIOHC to confirm that candidates for training have appropriate experience and background training,	Phase 2 Capability increase for conduct or oversight of MBES surveys.

				boats at Goa. b. Travel and subsistence for 6 students. IOC can add funding.		<b>and potential to use skills downstream.</b>	
	EAHC	Indonesia, Malaysia, Singapore	WB/IMO MEH Project	<b>Advice</b> a. Input to PSC on technical standards (IHB).	<b>NO CBF INPUT AT THIS TIME</b>		
1 Ongoing. Forecast to be within budget	SWPHC	Cook Islands, Fiji, Kiribati, Nauru, PNG, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu	Technical Visit to raise awareness of hydrography, and to advise on implementation of Phase 1 capability, including GMDSS.	<b>Advice</b> a. Senior hydrographic specialist and a GMDSS specialist to visit all countries.	€13k	€13k	Phase 1 Capability increase.
Candidate item for 2007	SWPHC	12 regional states	IHB Symposium for NHC Chairmen	<b>Funding</b> Travel and subsistence for 12 participants	€20k		Phase 1 Capability increase.

**ANNEX 3  
REVIEWED CAPACITY BUILDING  
WORK PROGRAMME FOR 2005**

**(as agreed by the CBC at its Third Meeting, Cartagena, Colombia, June 2005)**

<b>Action</b>	<b>Activity</b>	<b>Financial implication and Planning Figures based on availability of IHO budgeted resources.</b>
1	Technical Visits to be paid by IHB to: a) ASEAN countries, Myanmar and Cambodia. b) Central American countries c) Baltic Sea countries d) Funding agencies	Covered by IHO normal approved operational budget. (IHO Op Budget)
2	3 <sup>rd</sup> Capacity Building Committee Meeting to be held probably in Colombia, May/June	Covered by IHO normal approved operational budget. (IHO Op Budget)
3	SWPHC AT technical visit co-chaired by Australia/New Zealand (Priority 1)	a) 10 countries to be visited b) 2 Participants: 13.000 euros ( IHO CB Budget)
4	Technical Workshop on Phase I for MACHC, especially East Caribbean State Islands, to be held in conjunction with 3 <sup>rd</sup> CBC Meeting in Colombia. (Priority 2)	a) Speakers: contribution MS b) Location: hosting MS c) 10 Participants: 8.000 euros (IHO CB Budget)
5	Support attendance of some participants from MACHC, SEPHC and SWAHC to assist Multibeam Course in the Americas. (Priority 3)	3 participants: 9.000 euros (IHO CB Budget)
6	One week Seminar for Chairmen of National Hydrographic Committees (or equivalent) of EAHC, to be held at IMA, Trieste, Italy, second semester. (Priority 4)	a) Speakers: contribution MS or funds needed to be identified. b) Location: IMA c) 12 Participants:20.000 euros (IHO CB Budget)
7	IMA Hydrographic Course	No IHO financial implication
8	IMA Nautical Cartography Course	No IHO financial implication
9	Emergent commitments from Management Plan  <i>Travel and subsistence funding for Technical adviser (Cat A surveyor from MACHC MS) to assist in definition of pilot phase survey Golf of Honduras Project.</i>	Tentative. To be further discussed and agreed.  <i>Agreed at the Third CBC Meeting, June 2005. €- 7.000 ( travel plus per-diem considering 5 days in each country).</i>

**IHO CB Budget: 57.000 euros**

**ANNEX 4**  
**APPROVED CAPACITY BUILDING WORK PROGRAMME FOR 2006**

Action	Activity	Draft Financial implication and Planning Figures
1	Technical Visits to be paid by IHB to: a) Baltic Sea countries ( Latvia, Lithuania, Estonia) b) Red Sea countries (Eritrea, Saudi Arabia, Yemen and Kuwait, to include contact with PERSGA national Representatives) c) Funding Agencies	Covered by IHO normal approved operational budget.
2	4th Capacity Building Committee Meeting to be held in Maputo, Mozambique, May/June (To be coordinated).	Covered by IHO normal approved operational budget.
3	IMA Hydrographic Course	No IHO financial implication
4	IMA Nautical cartographic Course	No IHO financial implication
5	Technical Workshop on Phase I for SAIHC, to be held in conjunction with 4th CBC Meeting in May/Jun in Maputo, Mozambique. (To be coordinated).	a) Speakers: contribution MS b) Location: hosting MS c) 10 Participants: 10.000 euros
6	SAIHC AT technical visit probably led by South Africa plus IHB, January/February. (To be coordinated).	a) 8 countries b) 2 Participants: 10.000 euros
7	One week Seminar for Chairmen of National Hydrographic Committees (or equivalent) of MACHC, to be held in Panama, second semester. (To be coordinated).	a) Speakers: contribution MS b) Location: Panama c) 12 Participants: 20.000 euros
8	Support attendance of some participants from EAHC and RSAHC to assist Multibeam Course in ..... (To determined and coordinated)	6 participants: 20.000 euros
9	MACHC to brief CARICOM Meeting of Transport Ministers (date to be determined)	Travel and subsistence one person 2.000 euros
10	MACHC to follow up visits to countries visited in 1998, and visits to other island states. (dates to be determined)	Travel and subsistence 2 persons 13.000 euros
11	Nicaragua 3 weeks Training Course in basic practical surveying. (dates to be determined).	Run the course 7.000 euros

**Resources needed from CBF = 82.000 euros**



**ANNEX 5**  
**APPROVED DRAFT CAPACITY BUILDING WORK PROGRAMME FOR 2007**

<b>Action</b>	<b>Activity</b>	<b>Draft Financial implication and Planning Figures</b>
---	Technical Visits to be paid by IHB: a) ROPME Sea Area HC & NIOHC AT technical visit including Egypt, Sudan and Djibouti and others up to 10, to be determined (to include PERSGA national representatives), probably lead by ..... January/February. b) Funding Agencies	a) Covered by IHO normal approved operational budget plus 12.000 euros .  b) Covered by IHO normal approved operational budget.
---	5th Capacity Building Committee Meeting to be held probably in May/June, in ..... (to be coordinated)	Covered by IHO normal approved operational budget.
---	IMA Hydrographic Course	No IHO financial implication
---	IMA Nautical Cartography Course	No IHO financial implication
	Technical Workshop on Phase I for ROPME Sea Area HC and NIOHC, to be held in conjunction with 5th CBC Meeting in May/June in ..... ( to be coordinated)	a) Speakers: contribution MS b) Location: hosting MS c) 12 Participants: 12.000 euros
	One week Seminar for Chairmen of National Hydrographic Committees (or equivalent) of SWPHC, to be held at ....., second semester.	a) Speakers: contribution MS b) Location: c) 12 Participants: 20.000 euros
	Support attendance of some participants from MBSHC and BSHC to assist Multibeam Course in ..... (to be determined)	6 participants: 20.000 euros
	Technical Workshop in NIOHC (India?) on MBES with participants from Seychelles, Sri Lanka and Thailand	MSs contribute with Lecturers and CBF covers travel and subsistence for 6 students 10.000 euros

**Resources needed from CBF = 74.000 euros**

ANNEX 6  
LATEST UNITED NATIONS RESOLUTION

**General Assembly**

Distr.: General  
4 February 2005

**EXTRACT**

**Resolution adopted by the General Assembly**  
[without reference to a Main Committee (A/59/L.22 and Add.1)]  
**59/24. Oceans and the law of the sea**

*The General Assembly,*

*Recognizing that hydrographic surveys and nautical charting are critical to the safety of navigation and life at sea, environmental protection, including vulnerable marine ecosystems and the economics of the global shipping industry, and recognizing in this regard that the move towards electronic charting not only provides significantly increased benefits for safe navigation and management of ship movement, but also provides data and information that can be used for sustainable fisheries activities and other sectoral uses of the marine environment, the delimitation of maritime boundaries and environmental protection,*

6. *Requests* the Secretary-General to improve the existing Geographic Information System for the deposit by States of charts and geographical coordinates concerning maritime zones, including lines of delimitation, submitted in compliance with the Convention, and to give due publicity thereto, in particular by implementing, in cooperation with relevant international organizations, such as the International Hydrographic Organization, the technical standards for the collection, storage and dissemination of the information deposited, in order to ensure compatibility among the Geographic Information System, electronic nautical charts and other systems developed by these organizations;

9. *Encourages* intensified efforts to build capacity for developing countries, in particular for the least developed countries and small island developing States, as well as coastal African States, to improve hydrographic services and the production of nautical charts, including the mobilization of resources and building of capacity with support from international financial institutions and the donor community, recognizing that economies of scale can apply in some instances at the regional level through shared facilities, technical capabilities and information for the provision of hydrographic services and the preparation of and access to nautical charts;

36. *Invites* the International Hydrographic Organization and the International Maritime Organization to continue their coordinated efforts, to jointly adopt measures with a view to encouraging greater international cooperation and coordination for the transition to electronic nautical charts and to increase the coverage of hydrographic information on a global basis, especially in the areas of international navigation and ports and where there are vulnerable or protected marine areas;

**ANNEX 7  
LATEST IMO RESOLUTION**

**Ref. T2- NAVSEC/1.5 MSC/Circ.1179**

**24 May 2005**

**DEFICIENCIES IN HYDROGRAPHIC SURVEYING AND NAUTICAL CHARTING  
WORLDWIDE AND THEIR IMPACT ON SAFETY OF NAVIGATION AND  
PROTECTION OF THE MARINE ENVIRONMENT**

1 The Maritime Safety Committee, at its eightieth session (11 to 20 May 2005), in response to a proposal from the International Hydrographic Organization (IHO) for the issuance of an MSC circular, approved the note set out in the annex. The note indicates deficiencies world-wide in the provision of hydrographic services in accordance with SOLAS regulation V/9.

2 Member Governments, Parties to SOLAS' 74 as amended, are reminded of their obligations under the Provisions of regulation V/9 and are urged to take actions to remedy the situation.

3 Member Governments are invited to bring the attached annex to the attention of their national authorities responsible for Hydrography, Nautical Cartography and Safety of Navigation, as well as of other appropriate parties.

**ANNEX  
NOTE FROM THE IHO TO ALL COASTAL STATES  
THE STATUS OF HYDROGRAPHIC SURVEYING AND NAUTICAL CHARTING  
WORLDWIDE AND ITS IMPACT ON THE SAFETY OF NAVIGATION.**

**A Responsibilities of Coastal States**

Nautical charts were, are and will remain the most important aid to safe navigation. SOLAS regulation V/2, paragraph 2, defines nautical charts and nautical publications. It should be noted that the accuracy of a chart depends on the accuracy of the hydrographic surveys from which the chart is derived. The better the hydrographic surveys, the more accurate the chart and the safer navigation will be. SOLAS regulation V/9 sets out the responsibility of the Contracting Governments to execute the necessary hydrographic surveys, produce the appropriate nautical charts, in accordance with the IHO Standards, and to update them regularly.

The United Nations General Assembly in 1998, the International Year of the Oceans, adopted Resolution A/RES/54/33 and in 2003 Resolution A/RES/58/240 emphasizing the importance of State action to execute hydrographic surveys and produce nautical charts for safety of navigation.

Recent events in the Indian Ocean have also underlined the significance of good information on bathymetry and coastal configuration when planning for research, simulation warning and protection against seismic sea waves and other impact. IMO resolution A.958(23) and MSC/Circ.1118 are also very relevant to this issue. In order to fulfill these obligations, which are binding under international law, contracting Governments to SOLAS need to establish appropriate arrangements for the execution of hydrographic surveys, the production of nautical charts and their routine update.

**B Status of hydrographic surveying and nautical charting world-wide**

The IHO maintains a digital database, which is continuously updated, of the status of surveying, charting and promulgation of navigational warnings and chart updates. It is called S-55, and it can be found on the IHO website ([www.iho.shom.fr](http://www.iho.shom.fr)). It covers 80% of the coastal waters of the world, and efforts continue to obtain the missing data from the countries concerned. The database highlights significant deficiencies, world-wide, in the provision of hydrographic services. In 45% of the coastal waters of the world less than a quarter of the area within the 200 m contour has been surveyed to modern standards. This is the case in half of those states in Central America and the Caribbean, West and Southern Africa and the Indian Ocean, and 85% of those in the South West Pacific.

No progress has been made in a number of areas of particularly high concern, which were highlighted in the first edition of S-55 in 1991. These areas include the coastal waters of the Niger delta and areas of the South China and Java Seas. The lack of modern surveys is hampering the production of modern

metric paper charts on WGS 84 datum, let alone the ENC's required for ECDIS-fitted ships. In addition, even in some areas where modern surveys are available, the production of ENC's has been slow. Finally, and most significantly, many paper and electronic navigational charts cannot be updated because some maritime administrations have not yet put in place appropriate provision for MSI/GMDSS. The regions of greatest deficiency are the Caribbean, Africa, and oceanic areas, where GMDSS has been fully implemented for less than 15% of coastal states and sea areas. A particular concern is the lack of information on offshore installations in such areas as the Gulf of Guinea.

### **C Action Required**

Considering that:

- Safety of navigation and protection of the marine environment are at risk because of significant deficiencies in surveys on major shipping routes and the lack of modern surveys and new charts, including ENC's, in the coastal waters of many maritime States;
  - Many Contracting Governments to SOLAS need to establish Hydrographic Services in order to fulfil their obligations for surveying, charting and updating as specified in SOLAS chapter V;
  - IHO Special Publication 55 "Status of hydrographic surveying and nautical charting worldwide" ([www.iho.shom.fr](http://www.iho.shom.fr)) provides important information and data which can be used by governments to initiate the procedures necessary to undertake these obligations;
  - United Nations Assembly Resolution A/58/240 invites the IMO and the IHO to continue their co-ordinated efforts to improve surveying and chart coverage worldwide;
  - The IHO, which is recognized by UNCLOS as the competent international organization for hydrographic matters, can provide Capacity Building support to assist any State to establish or enhance its hydrographic services; the IHO urges States to undertake the necessary actions to: establish/enhance their hydrographic services, execute hydrographic surveys, publish and maintain nautical paper charts, electronic charts and publications, and issue Maritime Safety Information (MSI) under the provisions of the GMDSS.
- United Nations Assembly Resolution A/58/240 also encourages states to join the IHO and to benefit from the co-ordination which it provides. The International Hydrographic Bureau ([info@ihb.mc](mailto:info@ihb.mc)) can provide the necessary information on procedures for membership of the organization and/or Regional Hydrographic Commissions.

### **International Hydrographic Organization**

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**ANNEX 8  
LIST OF ACTIONS**

<b>Item</b>	<b>Action</b>	<b>Date</b>	<b>Responsible</b>	<b>Comments</b>
1	Distribution of Minutes and Documents to CBC Members. Including UN and IMO resolutions	20JUN05	Secretary	
2	Comments on Minutes	01JUL05	All	
3	CL to MS reporting 3rd CBC Meeting.	20JUL05	Chairman	
4	Refine “ Guidelines for Assessment Criteria ” and circulate to All Members prior to next meeting and keep IOC informed on the proceeding adopted	01APR06	Vice Chairman with support from CBC Members	
5	Prepare and send a letter to RHCs to request their Chairmen to include the submission of candidate items to the Management Plan and the updating of S-55 as a standing item on their agendas	20JUL05	Chairman	
6	Prepare draft “Guidelines for submission ” of candidate items for RHCs and ensure that M.P inputs are sent in time and that S55 is kept updated. When ready Guidelines should be distributed to RHC’s	01OCT05	Vice Chairman and Secretary	
7	To send a letter to the A.Board suggesting to invite institutions to display the list of students and countries having received training in their Web pages	20JUL05	Chairman	
8	Invite SPWG to consider Performance review and indicators for subsidiary organs as part of the implementation strategy	20JUL05	Chairman	
9	Send the programme of Nicaragua to the A.Board for assessment and further to the MACHC for endorsement	20JUL05	Chairman	
10	To request Tanzania to submit their project to the SAIHC Chairman for assessment.	20JUL05	Chairman	
11	To provide feedback to the NIOHC Chairman on the discussion about the Workshop on Multibeam for its region	20JUL05	Chairman	
12	To request France funding details on CHARMER	20JUL05	Chairman	
13	To encourage the execution of technical visits to SOPAC	20JUL05	Chairman	
14	Circulate to All Members prior to next meeting the results of the study on Donor’s Conference	01ABR06	France	
15	To initiate coordination with Chairman of SAIHC for the execution of the Technical Workshop and possible special meeting of the SAIHC.	20JUL05	Chairman	
16	To organize 4th IHO CBC Meeting (05-08 June 2006)	01MAR06	Chairman + host Country	
17	To prepare a 5 years CB Work Programme & Budget (2008-2012) for endorsement by the CBC at the 4 <sup>th</sup> Meeting	01MAY06	Chairman	