

**7th IHO CAPACITY BUILDING SUB-COMMITTEE MEETING
SEOUL, REPUBLIC OF KOREA, 11-13 May 2009.**

CHAIRMAN'S REPORT

Since our last Meeting, the Capacity Building activities monitored by the CBSC Chairman have been very intense. We have used as a reference the Action List we agreed and the 2008 and 2009 CB Work Programmes.

The work of the Chairman has been strongly supported by the Members of the CBSC, despite of the wide range of different activities each of them have had in this period.

The Action List has been almost fully achieved. The Procedures circulated to the RHCs are starting to be used and therefore submissions are expected to reach the CBSC much better documented. Procedures 4 and 5 were felt to require further discussion previous to put them in the public domain, and is a matter that is proposed to be discussed during our meeting in Seoul.

The Chairman communicated with all the required RHC's Chairmen informing about the concerns the CBSC has with regard to some planned activities for which very little information had been provided. Some RHC's provide detailed information allowing the Chairman to go ahead with the program, but that was not always the case. Several Chairmen did not provide any input at all, and the implementation of some initiatives did not take place.

The Capacity Building Fund has continued to receive support from the Republic of Korea. The identification of the activities to be funded with these resources has been done by the IHB and the Republic of Korea has accepted IHB position. The Fund is strongly contributing to the overall IHO CB effort. What has been a surprise is that in some cases beneficiaries have not taken advantage of the opportunities offered by IHO and despite funds have been allocated there have been no request to use these funds. What seems to us a matter that deserves consideration do to its negative impact is the late notice of non availability of those participants that have earlier confirmed their participation, or no show-up at a particular event.

Cooperation with the Intergovernmental Oceanographic Commission (IOC) and the International maritime Organization (IMO) has been reinforced with the participation of the maritime component of the World Meteorological Organization (WMO). All have benefited from the coordination of different events. The annual meeting that takes place in early October is providing excellent results in the CB delivery. The establishment of the International Maritime Safety, Security and Environment Academy (IMSEEA) in Genoa, Italy shall soon offer a new training opportunity.

The Chairman and Vice Chairman have developed a new structure of the document known as Management Plan. We will introduce it for discussion at the appropriate agenda item.

Following you will find four Annexes providing details on: Coordination; CBFund; S-55 and Procedures in force.

ANNEX A

“COORDINATION WITH OTHER ORGANIZATIONS”

1.- Coordination with IMO

Two events were organized:

- ❖ A seminar was jointly offered in Suva Fiji, between 20 and 23 November 2008 to raise awareness of the importance of hydrography to the South Pacific Island States. The seminar was part of the IMO technical cooperation programme in the South Pacific. Attendees (15), representing 11 Pacific Island States (Cook islands, Federated Estates of Micronesia, Fiji, Kiribati, Marshall Islands, Nauru, Palau, Samoa, Solomon Islands, Tuvalu, Tonga), drawn from various levels of government maritime or related administrative areas participated.
- ❖ A Regional Training Course on hydrography for the Caribbean IMO Member States was planned by IMO, hosted by MAS, and supported by IHO, IALA, and DHN-Brazil. The objective was to promote technical assistance and training to national maritime authorities of the region on matters related to hydrography, hydrographic surveys, nautical charts and aids to navigation. The Course offered in Paramaribo, Suriname, between 17 and 21 November 2008 was attended by 36 participants from 12 countries (Antigua & Barbuda, Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Jamaica, Saint Kitts and Nevis, Sta. Lucia, Saint Vincent and the Grenadines and Suriname).

For 2010/2011 the IHB has proposed IMO to consider including in their Technical Cooperation Committee Work Program, events to benefit South West Pacific, Caribbean and Central America and Africa.

2.- Coordination with IOC

Cooperation has existed in the support of participants to the MB course delivered at the India HO. IOC provided funds to pay return tickets to some participants of the Indian Ocean, through their COAST MAP IO Project. Through the same project IOC with the support of TECHAWI - the Training and Education Centre Hydrography at the Alfred Wegener Institute, Bremerhaven, Germany, - delivered a course on “**Bathymetric and Topographic Data Management and Inundation Maps Construction**” from 22 April till the 06 May 2008 and continued with a second course on “**Advance Hydrographic Surveying Course**”. As indicated beneficiaries belong to countries in the Indian Ocean. IHB has had an active participation with IOC in this project.

IOC has planned the following activities for 2009:

1. Assessment Mission, Kenya & Comores, end January 2009 with IHB participation.
2. Multibeam course, Goa, India, March 2009. 12 participants from COAST-MAP-IO countries.
3. Digital Elevation Model (DEM) and Inundation map construction for vulnerable areas, INCOIS, Hyderabad, India, April 2009. 24 participants from COAST-MAP-IO countries (1 hydrographer and 1 modeller from each country).

4. CARIS, Madagascar (altern. Tanzania/Zanzibar), April 2009. 8 participants from COAST-MAP-IO African countries.
5. CARIS, Thailand, May 2009. 8 participants from COAST-MAP-IO Asian countries.
6. Training of COAST-MAP-IO national leaders, INCOIS, Hyderabad, India, 2nd semester 2009. 12 participants from COAST-MAP-IO countries.
7. Meeting of COAST-MAP-IO Steering Committee, Fall 2009. Venue to be determined. IHB to participate.

3.- Join coordination with IMO, IOC and WMO.

A meeting was held at the IOC headquarters in October 2008, occasion in which individual CB Programmes were exchanged, discussed and agreed on the way these institutional efforts could benefit from each other. Some of the outcomes were:

- a) Based on the experience gathered in previous events, IHO to propose IMO further actions to be considered as a follow-up and /or for consideration when preparing their respective CB , TC or other Programs for the biennium 2010 2011.
- b) Reliable coastal bathymetry availability was felt a subject of common interest to the participants due to its wide application (modelling , erosion, safe to navigation, disasters management and many other needs). It was agreed to explore ways to strengthen this component by considering the subject in the respective work programs.
- c) It was felt of great value to all to continue fostering on going join cooperation projects without. It was agreed that it was not necessary to enter in bureaucratic procedures or formalities.
- d) It was agreed to have the next coordination meeting in October 2009 at the IMO. IALA will be invited to attend this meeting.

4.- Coordination with the International Maritime Safety, Security and Environment Academy (IMSSEA).

On the 12th September 2008, the IHB was informed about the formation of the “International Maritime Safety, Security and Environment Academy” (IMSSEA) affiliated to the International Maritime Organization (IMO). The IHB reacted immediately by expressing its appreciation for such a good new and its confidence that with the partnership of the Italian Navy Hydrographic Institute (IIM), the reactivation of international hydrographic and cartographic programs could be achieved in the short to medium term. In order to progress in the required coordination, the IHB invited the Academy and the Italian Navy Hydrographic Institute to a meeting at the IHB premises, occasion in which the parties discussed the details for cooperation under this new scenario. Such meeting took place on the 28th of October 2008, at the IHB.

The main actions agreed were:

- a) The Academy will study a Draft Cooperation Arrangement proposed by the IHB.
- b) The IHB to explore the convenience and viability of delivering a short course at IMSSEA in 2009 that could be used to verify the procedures the Academy is developing with regard to announcement, application and selection of participants.

- c) The Academy to develop the procedures required to prepare, evaluate and confirm an annual program containing the course to be delivered, and the procedures for announcement, application and selection of participants.

5.- Japan Capacity Building Project.

The IHO concluded a Memorandum of Understanding (MoU) with the Japan Hydrographic Association (JHA) acting on behalf of the Japan Hydrographic and Oceanographic Department (JHOD) for the implementation of a Capacity Building Project aiming at developing and promoting human capacity building of technical personnel in developing countries, particularly in Asia and its adjacent regions in nautical cartography. After the first coordination meeting held at the IHB, it was confirmed that the course “Hydrographic Data Processing and Marine Cartography” (Cat B) will be delivered at the UK Hydrographic Office, between 7 September and 18 December 2009. The course consists of three modules of 5 weeks each. Up to 6 trainees will be considered for financing. The support provided by the Nippon Foundation will cover course fees; travel to and from the respective countries, accommodation and a reasonable living allowance.

6.- Nippon Foundation – GEBCO Training Project.

The establishment of the GEBCO Nippon Foundation Training Program leading to the Graduate Certificate in Ocean Bathymetry at the University of New Hampshire, USA, is in its 5th year and it has been confirmed that will run for the period 2009/2010 as well, starting August 2009. Students undertake an intensive 12-month training of lectures, practical laboratory and on-the-water projects, secondments to relevant laboratories and cruises on research or survey ships.

===== END =====

ANNEX C

“S-55 PROGRESS”

The IHB has highlighted on the importance to keep update S-55 – Status of Hydrographic Surveying and Nautical Charting Worldwide. In December MS were requested to inform whenever there is a significant change and also to provide an annual update even if there is no change to the data.

The IHB receives updates to The Status of Hydrographic Surveying and Nautical Charting Worldwide (IHO Publication S-55) via two main routes:

- Direct submission to the IHB
- National reports to RHC meetings

All Member States are encouraged to send annual updates, including “no change” reports in order that the validity of the data in S-55 is maintained.

Updated information has been received from the following States (includes dependencies and areas of charting responsibility) since 1 May 2008:

Australia, Bangladesh, Denmark, Djibouti, Finland, France, Germany, Italy, Malawi, Malaysia, Monaco, Morocco, Netherlands, Pakistan, Palau, Papua New Guinea, Poland, Portugal, Spain, Tunisia, Turkey and Western Sahara.

S-55 still contains no information relating to the following countries (does not include countries with inland waters only):

Brunei Darussalam, Costa Rica, Dominican Republic, DPR of Korea, Egypt, Georgia, Guatemala, Haiti, Indonesia, IR of Iran, Israel, Kuwait, Libya, Marshall Islands, Nicaragua, Palestinian Authority, Panama, Paracel Islands, Spratly Islands, UAE, Uruguay and Venezuela.

The following is the information on Capacity Building Requirements included in the national reports listed above:

Bangladesh:

Requirements for training assistance:

- (1) Hydrographic surveying: CAT-A & CAT – B
- (2) Nautical cartography: Basic & Advance
- (3) MSI: Nil
- (4) ENC Project: Urgently required

Requirements for assistance with procurement of equipment:

- (1) Technical advice on procurement options: To procure purpose-built Hydrographic Ship and praiseworthy effective hydrographic equipment.
- (2) Transfer of equipment: Chart Printing Facility.

5. General Comments Or Additional Information: Due non availability of suitable hydrographic ship, BN hydrographic department is facing acute difficulties to carry out the hydrographic survey activities as per the requirements of IHO. However, BN is planning to procure a purpose built hydrographic ship to meet the allocated responsibilities in her water. In this connection, the technical and financial assistance from the donor countries will be highly appreciated.

Finland:Requirements for training assistance:

- (1) Multibeam Courses for surveying and data processing people, i.e. organised by the UNB/OMG.
- (2) Some courses for advanced nautical cartographers may be needed in the future.

Maroc:Requirements for training assistance:

- (1) Category A and B courses
- (2) ENC cartography and Paper Chart cartography
- (3) Development of MSI instructions

Pakistan:Requirements for training assistance:

Pakistan requires to enhance its capacity in nautical cartography. In this regard, Cat A and Cat B courses (as per M8) are required.

Requirements for assistance with procurement of equipment:

- (1) Technical advice on procurement options: NIL (However, assistance can be offered to regional countries w.r.t advice on procurements)
- (2) Transfer of equipment: NIL

Additional information

Pakistan has offered hydrographic training for both officers and men of the Hydrographic Departments of the region. Pakistan is also in the process of accreditation of its Officer's course as Cat B. The case is with the International Advisory Board. Once approved, the course will be

offered to the regional countries. Pakistan can also offer OJT on ENC production and facilities of printing charts, tide tables etc. In addition, facility of tidal analysis can also be provided subject to the availability of observed tide.

Tunisia:

Requirements for training assistance:

- (1) Category A course for 2 officers
- (2) Training for 2 officers in internationally recognised course
- (3) Training for 1 officer in internationally recognised course.

Requirements for assistance with procurement of equipment:

- (1) Maintain the technical cooperation with NAVOCEANO-USA, SHOM-France, IIM-Italy, UKHO-UK and HI-Portugal.
- (2) Maintain the technical cooperation with NAVOCEANO-USA and develop this kind of assistance with SHOM-France.SHOM-France

ANNEX D**“ CB PROCEDURES IN FORCE ”**

1.- The CB Sub Committee agreed that it was essential to establish procedures to assess the requests for CB support at different stages, involving the Regional Hydrographic Commissions, the IHB and the CBSC. Following actions agreed at the last meeting and after having finalized and approved Procedures 1 and 2, they were provide to all RHC Chairs and included in the IHO web site :

- PROC 1 “Procedure and model for submitting a request for support to the CBC”.
- PROC 2 “Procedure to be followed by RHCs before submitting requests for support to the CBC”

Chairmen of the IHO RHC were kindly requested to provide comments to the CBSC Chairman on the final Procedures as well as on those under preparation, by 1st March 2009. A especial request was made to apply PROC1 and PROC2 when submitting any proposal to the CBSC.

The Chairman has not received any comment suggesting any change to the procedures referred.

2.- It is the opinion of the CBSC Chair that PROC3 “Review process to be followed by the IHB, prior to including the request in the Draft Management Plan” has been approved. As so far the IHB has not received any request for inclusion of a project in the Management Plan, the Chair at the time of writing this report has not had the opportunity to test the procedure.

3.- Under Agenda Item 6, it has been proposed to consider the remaining Procedures 4 and 5.