



Dossier du BHI No. S1/1001/08-S1/0900

**LETTRE CIRCULAIRE 28/2009**  
**24 avril 2009**

**P-7: RAPPORT ANNUEL DE L'OHI POUR 2008**  
**PARTIE 1 - GENERALITES ET PARTIE 2 - FINANCES**  
**PROGRAMME DE TRAVAIL DE L'OHI POUR 2009 (actualisé)**

Madame la Directrice, Monsieur le Directeur,

1. Vous trouverez ci-joint un exemplaire du Rapport annuel de l'OHI pour 2008, Partie 1 - Généralités (version anglaise) et Partie 2 - Finances (version bilingue anglais/français) qui fournit des informations sur les activités effectuées par l'Organisation au cours de l'année 2008 et sur les finances associées à ces activités. Les versions française et espagnole de la Partie 1 seront distribuées dès qu'elles seront finalisées. Les Parties 1 et 2 sont communiquées en même temps afin d'aider les Etats membres à avoir une meilleure idée des réalisations de l'Organisation et de son degré d'efficacité.
2. Conformément au cycle de planification du programme de travail, tel qu'approuvé par la Décision 14 b) de la XVIe Conférence h.i., nous vous fournissons une version actualisée du Programme de travail de l'OHI pour 2009, à partir du programme de travail pour 2008-2012, approuvé par la Décision 24 de la XVIIe CHI et conformément à l'évaluation finale de la réalisation des tâches dans le programme de travail pour 2008.
3. Les Etats membres sont invités à fournir des commentaires sur la Partie 1 du Rapport annuel 2008 et sur la version actualisée du Programme de travail de l'OHI pour 2009, **avant le 30 juin 2009**. Si des changements sont proposés au Programme de travail pour 2009, le BHI les examinera et en informera les Etats membres en conséquence.
4. Conformément à l'Art. 19 du Règlement financier et compte tenu du fait que pratiquement tous les Etats membres sont représentés au sein de la Commission des finances, le Comité de direction soumet directement aux Etats membres la partie 2 - Finances, en vue de recueillir leur approbation (la majorité des deux-tiers est requise), et d'éviter ainsi toute bureaucratie inutile. Il est donc demandé aux Etats membres de bien vouloir compléter et renvoyer le bulletin de vote ci-joint au BHI, **au plus tard le 30 juin 2009**.
5. Enfin, nous tenons à vous informer que le Programme de travail de l'OHI pour 2010 est en cours de préparation, sur la base du Programme de travail de l'OHI pour 2008-2012. Le Programme de travail final de l'OHI qui sera proposé pour 2010, ainsi que le Budget de l'OHI pour 2010 seront distribués d'ici le mois d'août en vue d'une approbation avant le 31 octobre et d'une mise en œuvre en janvier 2010.

Veillez agréer, Madame la Directrice, Monsieur le Directeur, l'assurance de ma haute considération.

Pour le Comité de direction,

A handwritten signature in blue ink, appearing to be 'Hugo Gorziglia', written over a light yellow rectangular background.

Capitaine de vaisseau Hugo GORZIGLIA  
Directeur

PJ (4):

- P-7 (2008) Partie 1 - Généralités (version anglaise)
- P-7 (2008) Partie 2 - Finances
- Programme de travail de l'OHI pour 2009 (actualisé)
- Bulletin de vote.

**APPROBATION DU RAPPORT FINANCIER POUR 2008  
BULLETIN DE VOTE**

*(à faire parvenir au BHI avant le 30 juin 2009  
Courriel : [info@ihb.mc](mailto:info@ihb.mc) – Télécopie : +377 93 10 81 40)*

**Etat membre:** .....

**Approuvez-vous le Rapport financier pour 2008 ?**

OUI

NON

**Commentaires (le cas échéant):**

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

Nom / Signature ..... Date: .....

# INTERNATIONAL HYDROGRAPHIC ORGANIZATION



ANNUAL REPORT 2008

PART 1 – GENERAL



ANNUAL REPORT  
OF THE  
**INTERNATIONAL HYDROGRAPHIC  
ORGANIZATION**  
**2008**  
**PART I - GENERAL**

Published by the International Hydrographic Bureau  
Monaco

**MEMBER STATES OF THE  
INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO)**

ALGERIA	MONACO
ARGENTINA	MOROCCO
AUSTRALIA	MOZAMBIQUE
BAHRAIN	MYANMAR
BANGLADESH	NETHERLANDS
BELGIUM	NEW ZEALAND
BRAZIL	NIGERIA
CANADA	NORWAY
CHILE	OMAN
CHINA	PAKISTAN
COLOMBIA	PAPUA NEW GUINEA
CONGO (ZAÏRE)*	PERU
CROATIA	PHILIPPINES
CUBA	POLAND
CYPRUS	PORTUGAL
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	QATAR
DENMARK	REPUBLIC OF KOREA
DOMINICAN REPUBLIC*	REPUBLIC OF SOUTH AFRICA
ECUADOR	ROMANIA
EGYPT	RUSSIAN FEDERATION
ESTONIA	SAUDI ARABIA
FIJI	SERBIA
FINLAND	SINGAPORE
FRANCE	SLOVENIA
GERMANY	SPAIN
GREECE	SRI LANKA
GUATEMALA	SURINAME
ICELAND	SWEDEN
INDIA	SYRIAN ARAB REPUBLIC
INDONESIA	THAILAND
IRAN	TONGA
IRELAND	TRINIDAD & TOBAGO
ITALY	TUNISIA
JAMAICA	TURKEY
JAPAN	UKRAINE
KUWAIT	UNITED ARAB EMIRATES
LATVIA	UNITED KINGDOM
MALAYSIA	UNITED STATES OF AMERICA
MAURITIUS	URUGUAY
MEXICO	VENEZUELA

\* Rights of membership suspended

Pending Member States: Bulgaria, Cameroon, Haiti, Mauritania, Montenegro, Sierra Leone.

**INTERNATIONAL HYDROGRAPHIC BUREAU**

**DIRECTING COMMITTEE**

*President:* Vice Admiral (retd.) Alexandros MARATOS, Greece

*Directors:* Captain (retd.) Hugo GORZIGLIA, Chile

Captain (retd.) Robert WARD, Australia

## CONTENTS

	Page
<b>INTRODUCTION</b> .....	<b>v</b>
<b>WORK PROGRAMME 1</b>	
<b>COOPERATION AMONG MEMBER STATES AND WITH</b>	
<b>INTERNATIONAL ORGANIZATIONS</b> .....	<b>1</b>
<b>1. IHO Regional Hydrographic Commissions</b> .....	<b>1</b>
8 <sup>th</sup> Meeting of the North Indian Ocean Hydrographic Commission (NIOHC) .....	1
29 <sup>th</sup> Meeting of the United States-Canada Hydrographic Commission (US-CHC) .....	2
52 <sup>nd</sup> Meeting of the Nordic Hydrographic Commission (NHC) .....	2
8 <sup>th</sup> Meeting of the Meso-American and Caribbean Sea Hydrographic Commission (MACHC) .....	3
2 <sup>nd</sup> Meeting of the South West Atlantic Hydrographic Commission (SWAtHC) .....	5
13 <sup>th</sup> Meeting of the Baltic Sea Hydrographic Commission (BSHC) .....	6
8 <sup>th</sup> Meeting of the South East Pacific Hydrographic Commission (SEPHC).....	7
8 <sup>th</sup> Meeting of the Hydrographic Commission on Antarctica (HCA) .....	8
10 <sup>th</sup> Meeting of the Eastern Atlantic Hydrographic Commission (EAtHC).....	10
2 <sup>nd</sup> Co-ordination Meeting of the East Asia Hydrographic Commission (EAHC).....	11
8 <sup>th</sup> Meeting of the Black and Azov Seas Working Group (BASWG) .....	12
Canadian Hydrographic Conference 2008.....	12
<b>2. International Organizations</b> .....	<b>13</b>
<b>International Maritime Organization (IMO)</b> .....	<b>13</b>
12 <sup>th</sup> Session of the IMO COMSAR Sub-Committee .....	13
84 <sup>th</sup> and 85 <sup>th</sup> Sessions of the IMO Maritime Safety Committee .....	13
58 <sup>th</sup> Session of the Technical Co-operation Committee of IMO .....	14
54 <sup>th</sup> Session of the IMO Safety of Navigation Sub-Committee.....	15
<b>Intergovernmental Oceanographic Commission (IOC)</b> .....	<b>16</b>
41 <sup>st</sup> IOC Executive Council .....	16
Coast-Map-IO Project - IOC-IHO Assessment Mission .....	17
<b>International Federation of Surveyors (FIG)</b> .....	<b>17</b>
FIG Working Week .....	17
<b>Antarctic Related Organizations</b> .....	<b>18</b>
31 <sup>st</sup> Antarctic Treaty Consultative Meeting (ATCM).....	18
<b>International Association of Marine Aids to Navigation and</b>	
<b>Lighthouse Authorities (IALA)</b> .....	<b>19</b>
<b>United Nations</b> .....	<b>20</b>
IHO Participation in the United Nations Environment Programme .....	20
<b>Miscellaneous</b> .....	<b>20</b>
Port Management Association of West and Central Africa 31 <sup>st</sup> Executive Council .....	20
International Radio-maritime Committee (CIRM) Annual Meeting .....	21
Accreditation of the International Maritime Pilots' Association.....	21
Memorandum of Understanding between the IHO and the EUC.....	21
Official Launch of Indonesian ENCs .....	22



<b>WORK PROGRAMME 2</b>	
<b>CAPACITY BUILDING .....</b>	<b>23</b>
<b>1. Establishment of the International Maritime Safety, Security and Environment Academy (IMSSEA) .....</b>	<b>23</b>
<b>2. Capacity Building Committee (IHOCBC) .....</b>	<b>24</b>
6 <sup>th</sup> Meeting of the IHO Capacity Building Committee (CBC) .....	24
Capacity Building Work Programme .....	25
Capacity Building Procedures .....	25
Capacity Building Assessment .....	25
Capacity Building Provision.....	25
<b>3. Miscellaneous .....</b>	<b>27</b>
Co-ordination Meetings with other International Organizations .....	27
Contribution of the Republic of Korea to the IHO Capacity Building Fund.....	27
Japan Hydrographic Association Project .....	28
<b>4. FIG/IHO/ICA International Advisory Board on Standards of Competence for Hydrographers and Nautical Cartographers.....</b>	<b>28</b>
31 <sup>st</sup> Meeting of the FIG/IHO/ICA International Advisory Board on Standards of Competence for Hydrographers and Nautical Cartographers.....	28
<b>WORK PROGRAMME 3</b>	
<b>TECHNIQUES AND STANDARDS SUPPORT .....</b>	<b>31</b>
<b>1. Cartography and Hydrographic Information Services .....</b>	<b>31</b>
<b>CHRIS and its Sub-committees.....</b>	<b>31</b>
20 <sup>th</sup> Meeting of the IHO Committee on Hydrographic Requirements for Information Systems (CHRIS) .....	31
Marine Spatial Data Infrastructure Working Group (MSDIWG) 1 <sup>st</sup> and 2 <sup>nd</sup> Meetings .....	32
TSMAD 15 <sup>th</sup> , 16 <sup>th</sup> and 17 <sup>th</sup> Meetings.....	33
IC-ENC/PRIMAR Joint TEWG Meeting (JTEWG) .....	35
5 <sup>th</sup> Meeting of the Chart Standardization and Paper Charts Working Group (CSPCWG) .....	35
18 <sup>th</sup> Meeting of the Colours and Symbols Maintenance Working Group (C&SMWG).....	36
9 <sup>th</sup> Meeting of the Standardization of Nautical Publications Working Group (SNPWG) .....	37
5 <sup>th</sup> Meeting of the IHO-IEC Harmonizing Group on Marine Information Objects (HGMIO)....	38
<b>WEND.....</b>	<b>38</b>
11 <sup>th</sup> WEND Meeting.....	38
4 <sup>th</sup> ECDIS Stakeholders' Forum .....	39
Meeting of the WEND Task Group on ENC Coverage .....	39
Meeting of the WEND Task Group on ENC Harmonization, Coverage and Distribution.....	40
<b>GEBCO Project .....</b>	<b>40</b>
24 <sup>th</sup> Meeting of the GEBCO Sub-Committee on Digital Bathymetry (SCDB) .....	40
25 <sup>th</sup> Meeting of the GEBCO Guiding Committee.....	41
21 <sup>st</sup> Meeting of the GEBCO Sub-Committee on Undersea Feature Names (SCUFN).....	42
NIPPON Foundation – GEBCO Training Project Year 5 .....	43
<b>Commission on the Promulgation of Radio Navigational Warnings.....</b>	<b>43</b>
10 <sup>th</sup> Meeting of the Commission on the Promulgation of Radio Navigational Warnings (CPRNW).....	43

<b>International Organization for Standardization (ISO)</b> .....	<b>44</b>
27 <sup>th</sup> ISO/TC 211 Plenary Meeting .....	44
<b>Advisory Board on the Law of the Sea</b> .....	<b>45</b>
ABLOS 5 <sup>th</sup> Conference.....	45
ABLOS 15 <sup>th</sup> Business meeting .....	46
<b>WORK PROGRAMME 4</b>	
<b>INFORMATION MANAGEMENT AND PUBLIC RELATIONS</b> .....	<b>47</b>
<b>1. Information Management</b> .....	<b>47</b>
IHO Publications .....	47
Repository of Charts and Nautical Documents .....	51
Translation Services .....	51
IHB Library .....	52
Maintenance of IHB Computer and Network systems .....	52
Development and Maintenance of IHB GIS Database Infrastructure .....	52
IHO Web-site.....	53
<b>2. Public Relations</b> .....	<b>53</b>
Awards.....	53
World Hydrography Day .....	54
<b>WORK PROGRAMME 5</b>	
<b>GENERAL ORGANIZATION DEVELOPMENT</b> .....	<b>55</b>
<b>1. IHO Re-structuring</b> .....	<b>55</b>
IHO Strategic Plan Working Group (ISPWG) .....	55
IHO Working Group to review IHB Staff Regulations (ISRWG).....	55
Amendments to the Convention .....	56
<b>2. IHO Membership Administration</b> .....	<b>56</b>
<b>3. IHO Work Programme</b> .....	<b>58</b>
<b>4. Host Government Affairs</b> .....	<b>59</b>
<b>APPENDICES</b>	
Appendix I New Hydrographers from Member States .....	A-1
Appendix II New hydrographic vessels .....	A-3
Appendix III Visits to the IHB .....	A-5
Appendix IV Visits to Hydrographic Offices and Meetings held at the IHB.....	A-7
Appendix V IHB Directing Committee Responsibilities .....	A-9
Appendix VI IHB Staff List .....	A-11
Appendix VII IHB Technical Missions .....	A-13



## INTRODUCTION

The Directing Committee is pleased to present the Annual Report of the International Hydrographic Organization for 2008. The Report will be of interest to Member States, accredited Non-Governmental International Organizations (NGIOs) and to all those who have contributed to the work of the IHO or who have an interest in the work of the Organization, hydrography, safety at sea, protection of the marine environment or the wider use of hydrographic information.

The Report consists of two parts:

**Part 1 – IHO Programme.** Part 1 describes the progress of the IHO Work Programme in 2008, as reflected through reports of the meetings of the Committees, Working Groups and the other bodies of the Organization.

**Part 2 – Finance.** Part 2 presents the status of the finances of the Organization for 2008 at the close of the financial period in accordance with Article 11 of the Financial Regulations. It includes the External Auditor's Annual Report as required by Article 20 of the Financial Regulations.

Steady progress was made in 2008 with the maintenance of existing technical standards and guidelines with significant progress being achieved on the development of a first draft of the new IHO Geospatial Standard for Hydrographic Data to be known as S-100. The IHO website was also comprehensively revised.

Progress towards global coverage of ENC's was a particular focus during 2008. The WEND Committee considered the matter carefully at its meetings in Tokyo and the IHB continued to monitor progress throughout the year, providing extensive briefings and input to IMO as part of its considerations on the introduction of a mandatory carriage requirement for ECDIS.

The Hydrography of Inland Waters Working Group and the Maritime Spatial Data Infrastructure Working Group completed their reports under the guidance of the Committee on Hydrographic Requirements for Information Systems (CHRIS). The reports and their recommendations will be considered by the 4th Extraordinary International Hydrographic Conference (4th EIHC) in 2009.

Support to the IHO technical program was greatly enhanced by the generosity of the National Oceanographic Research Institute (NORI) of the Republic of Korea and the Hydrographic Department of the Japan Coast Guard who each seconded one officer to assist with ongoing work at the IHB.

Nine RHCs and the HCA met during the year. Unfortunately the RSAHC was unable to hold its planned third meeting which was postponed until 2009. The main topics considered at the various meetings were related to ENC, MSI, CB and new developments such as MSDI, but the production, availability, quality, distribution and update of ENC captured the highest attention.

Capacity Building activities have continued to be monitored by the CBC. The 2008 effort consisted mainly of technical visits paid to 11 countries, the support for the provision of nine short courses and joint work with IOC in the frame of the COAST-MAP-IO Project and with IMO on awareness seminars and workshops organized for the benefit of the Caribbean States and the South Pacific Island States. The announcement during 2008 of the establishment of the International Maritime Safety Security Environment Academy IMSSEA in Genoa was a most welcome development. This will enable the IHB to assist with courses mainly in hydrography and nautical cartography, which were discontinued with the closure of the International Maritime Academy (IMA) in Trieste since 2005. Particular thanks are due to the CBC for its hard work in the preparation of material in support of the World Hydrography Day and its 2008 theme of Capacity Building.

The very close cooperation with IMO, IALA, IOC, FIG, WMO, ATCM, COMNAP and IAATO, as well as with others continued throughout the year. Of particular note was the support provided by the Antarctic Treaty Consultative Committee (ATCM) to hold the Seminar “Importance of Hydrographic Activities in Antarctica” organized by the IHO/HCA at ATCM XXXI in Kyiv, Ukraine in June. Also the close cooperation that has continued between the IHO, the IMO, the IOC and the WMO on capacity building so as to consolidate programmes and avoid superposition and duplication.

The IHO Strategic Plan Working Group (ISPWG) concluded its work and its report and proposals have already been passed to Member States for consideration and comments in order to be examined during the 4th EIHC. The Staff Regulations Working Group (SRWG) continued its work and its report will be ready for consideration by Member States by the end of 2009 in accordance with Decision 18 of the XVIIth IHC.

In March 2008 Haiti applied to become a Member of the Organization. Its application is now under consideration by Member States in accordance with Article XX of the IHO Convention. 20 Member States had approved the Protocol of Amendments to the Convention on the IHO by 31<sup>st</sup> December 2008.

The excellent cooperation that exists with the Government of Monaco continued in 2008. The Bureau is grateful to the Government of Monaco for undertaking and progressing the renovation of the Bureau’s premises, without any financial obligation on the Organization as well as for their support in handling the diplomatic processes needed for applications by new Member States and approval of the amendments to the Convention.

# WORK PROGRAMME 1

## COOPERATION AMONG MEMBER STATES AND WITH INTERNATIONAL ORGANIZATIONS

### 1. IHO REGIONAL HYDROGRAPHIC COMMISSIONS

#### 8th MEETING OF THE NORTH INDIAN OCEAN HYDROGRAPHIC COMMISSION (NIOHC) Goa, India, 15-17 April

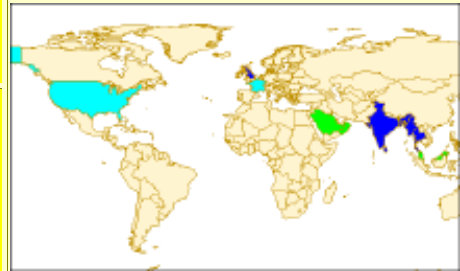
**Chairperson:** Rear Admiral MONCRIEFF (UK)  
**Vice Chairperson:** Rear Admiral NETRPRAPA (Thailand)

**Members:** Bangladesh, Egypt, India, Myanmar, Sri Lanka, Thailand, United Kingdom.

**Associate Members:** France, Pakistan, Seychelles, USA.

**Observers:** Malaysia, Oman, Saudi Arabia.

**IHB Representatives:** Vice Admiral MARATOS, Lt. Cdr. SHIPMAN



The 8th meeting of the NIOHC took place in Goa, India, from 15 to 17 April, under the Chairmanship of RAdm. MONCRIEFF, UK National Hydrographer. Representatives from Bangladesh, France, India, Myanmar, Oman, Pakistan, Saudi Arabia, Sri Lanka, Thailand, UK and USA participated in the meeting, as well as a representative from the Intergovernmental Oceanographic Commission (IOC). VAdm MARATOS represented the International Hydrographic Bureau.

During the meeting many topics of interest to the Region were discussed and decisions were taken. Following the IHB report on the main inter-sessional activities of the Organization, the Commission considered issues concerning the status of hydrographic surveying and charting in accordance with S-55, the activities of States in the Region in the promulgation of Maritime Safety Information (MSI), the progress in implementing the INT Chart Scheme, the developments with the production of ENCs and the possible support needed, the Capacity Building activities and the request to the Capacity Building Committee for training during 2009. It was decided that India and Saudi Arabia will represent the NIOHC on the IHO Council, under the new structure of the Organization, when it is implemented. Commission Members presented their national reports on their activities. Other issues of a technical nature were also discussed.

The next meeting will take place in Seychelles or Bangladesh under the Chairmanship of RAdm. RAO, the Director of the Indian Hydrographic Service.

**29th MEETING OF THE UNITED STATES – CANADA HYDROGRAPHIC  
COMMISSION (US- CHC)**  
Ottawa, Canada, April

**Co-Chairpersons:** Dr. NARAYANAN and Captain BARNUM

**Members:** Canada, United States of America  
**IHB Representatives:** Captain WARD, Mr. PHARAOH



The USCHC held its annual meeting in Ottawa, Canada, in April. At this meeting the USCHC renewed its Memorandum of Arrangement that has been in effect since 1974. Several issues of mutual interest were discussed at this one-day event including the resolution of Electronic Navigational Chart (ENC) coverage in boundary waters, spatial data infrastructures, the emerging hydrographic geospatial data standard for marine data and information - S-100, and the pending establishment of Navareas in the Arctic region. Both Canada and the United States remain active on several Committees and Working Groups of the International

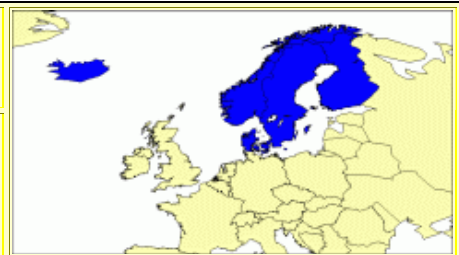
Hydrographic Organization (IHO). Through collaborative participation at these events the USCHC continues to further the goals of the IHO to improve maritime safety and security and overall knowledge and protection of the marine environment.

The annual international hydrographic conferences, held alternately in Canada and United States, continue to provide a forum for the professional development of the hydrographic community in North America. The Conference was held in May, in Victoria, British Columbia, Canada. As usual it included a well attended industry tradeshow and water demonstration component which provided a venue for equipment and service providers to display the most recent technological innovations.

**52nd MEETING OF THE NORDIC HYDROGRAPHIC COMMISSION (NHC)**  
Norrköping, Sweden 6-8 May

**Chairperson:** Mr. MAGNUSSON (Sweden).

**Members:** Denmark, Finland, Iceland, Norway, Sweden  
**IHB Representatives:** Captain WARD, Mr. PHARAOH



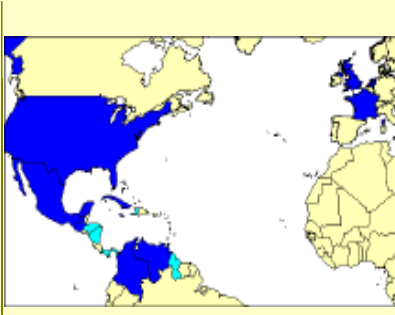
The 52nd Meeting of the Nordic Hydrographic Commission (NHC) was held in Norrköping, Sweden, from 6 to 8 May, under the Chairmanship of Mr. MAGNUSSON, Director of the Swedish Hydrographic

Service. Representatives from Denmark, Finland, Iceland, Norway and Sweden attended and the IHB was represented by VAdm MARATOS who updated the participants on the important issues of the Organization during the inter-sessional period. He specifically referred to the question of the approvals received so far for the Protocol of Amendments of the IHO Convention and he emphasized the need to accelerate the internal procedures for approval. He also referred to the developments regarding the status of ENC production, cooperation with other international organizations, in particular IMO, IOC and IALA, the submission to the next IMO/NAV meeting on the ENC developments based on the decisions of the X-WEND meeting held at the Bureau at the end of October 2007, the preparations for the 4th Extraordinary International Hydrographic Conference that will take place in early June 2009 and the celebrations of the WHD. He responded to various questions from the participants.

The participants discussed various topics of interest to the region and in particular they referred to the coverage and technical details of the ENCs, the progress of surveying operations, the progress of the work of the ISPWG, the developments with INT charts, the progress with SDI within the countries in the area.

The next meeting will take place in Finland, from 21 to 23 April 2009, under the Chairmanship of Mr. VARONEN.

**8th MEETING OF THE MESO-AMERICAN AND CARIBBEAN SEA  
HYDROGRAPHIC COMMISSION (MACHC)  
Niteroi, Brazil, 09-10 October**

<b>Chairperson:</b> Rear Admiral OCAÑA (Mexico)	
<b>Members:</b> Brazil, Colombia, Cuba, France, Guatemala, Jamaica, Mexico, The Netherlands, Trinidad and Tobago, United Kingdom, United States of America, Venezuela.	
<b>Associate Members:</b> Antigua & Barbuda, Barbados, Guyana, Haiti, Honduras, Nicaragua and Panama.	
<b>IHB Representatives:</b> Captain GORZIGLIA, Captain BERMEJO	

The 8th Meeting of the MACHC was held in Niteroi, Brazil, from 9 to 10 October. The following members were present:

Barbados, Brazil, Cuba, France, Guatemala, Mexico, Netherlands (The), Suriname, UK and USA.

Belize and Honduras as well as the IHB and some commercial companies attended the meeting as Observers.

The meeting was opened by the Chairman, RAdm. OCAÑA (Mexico). Capt. GARCEZ, representing the Brazilian Hydrographer, and Capt. GORZIGLIA (IHB Director) welcomed the participants and noted the importance of the event in the coordination of the hydrographic and cartographic effort in the region. Colombia and Venezuela sent their apologies for not attending due to last minute commitments.

The Chairman summarized the work carried out since the 8th meeting and reviewed in detail the actions agreed. The IHB representative provided a report on the main IHO subjects of interest to the Commission, such as the status of ratification of the Protocol of Amendments to the IHO Convention, IHO/IMO related matters, mainly carriage requirements and the on-line ENC catalogue, progress concerning the adoption of the new IHO and GEBCO structure, Capacity Building matters, World



Hydrography Day; the future of the International Hydrographic Review and Haiti's application to become an IHO Member. MACHC Members agreed to inform the IHB within one week of any potential support to be offered to Haiti in the technical visit the IHB was programmed to make in October.



National Reports were provided and the following reports were tabled by the participants:


- 1) MACHC CB Report (Brazil). The need to produce a regional CB programme was highlighted.
- 2) ISPWG Report (Cuba). Informative on this WG's work and matters under discussion.
- 3) WEND matters (USA). Outcome of the last WEND meeting and guidelines for applying WEND principles.
- 4) TSMAD matters (USA). The close relation between the mariner and the marine environment protection through protected areas was highlighted.
- 5) HCIWWG matters (Brazil). Informative conclusions on the work carried out by the WG.
- 6) Electronic Chart Committee (USA). Situation on the ENC scheme and production, including situations to be solved.
- 7) INT Chart Committee (Mexico). Situation on the production of INT Charts and situations that require close collaboration to accelerate the production of these charts.
- 8) MACHC Forum (Brazil). Establishment of this tool to be used when discussing different matters that require interaction between MACHC members.
- 9) MACHC Statutes (Brazil). Proposal and adoption of changes. Inclusion of the position of Vice Chair; the limits of the Commission; the obligations of the Chair and Secretary of the Commission were agreed.
- 10) Council Representation (Brazil). Presentation of alternatives and discussion.
- 11) Liaison with IOC (IBCCA) and PAIGH. Information on joint activities. A report on the multi beam echo sounder practical training course held in Mexico was provided.

Different actions were agreed by MACHC and will be progressed during the inter-sessional period. The Director of the Gulf of Honduras Project made a presentation on the status of the Project. Countries involved: Belize, Guatemala and Honduras are in the process of receiving the instruments and equipment provided under the project. Training and hands-on activity were due to start in the following months. Support from the CB Fund anticipated for this activity will be required in March 2009, but arrangements and coordination were to take place before the end of 2008.

The MACHC Members unanimously elected Brazil and UK as Chairman and Vice-Chairman, respectively.

Following a kind invitation from Barbados, the Commission decided to hold the 10<sup>th</sup> MACHC meeting in Barbados, in the last week of October 2009, with the exact dates to be determined later.

**2nd MEETING OF THE SOUTH WEST ATLANTIC HYDROGRAPHIC  
COMMISSION (SWAtHC)  
Rio de Janeiro, Brazil, 18-19 March**

<b>Chairperson:</b> Rear Admiral MARIATH DANTAS (Brazil)	
<b>Members:</b> Argentina, Brazil, Uruguay <b>IHB Representatives:</b> Captain GORZIGLIA, Captain BERMEJO	

The meeting was held at the Directorate of Hydrography and Navigation in Rio de Janeiro, Brazil, under the Chairmanship of VAdm. MARIATH. There were 11 participants from South West Atlantic Countries attending the meeting, besides the IHB representatives, Capt. GORZIGLIA and Capt. BERMEJO.

The country reports from the three member countries were introduced and discussed. Other reports considered were:

- Report of the Cartographic Planning and the Strategic Planning Working Groups.
- Report of the Hydrographic, Cartographic Inland Waters Work Group
- CBC program
- Technical support in developing a regional Hydro-Cartographic Plan

The following action list was agreed:

- To submit, by 1<sup>st</sup> April to the CBC, proposals of Capacity Building related to:
  - Multibeam workshop in 2008;
  - Participation in the “e-navigation” workshop along the CHRIS meeting.
  - Multibeam course in 2009.
  - Adjustment of the present scheduled activities:
    - 2009 ENC- Updating course;
    - 2010 Workshop on hydrographic surveys in ports and shallow waters;
    - 2011 Workshop on Spatial Data Bases processing and administration.
- To approve all reports tabled at the meeting.


- To approve the new Terms of Reference of the Cartographic Planning Committee (before the Cartographic Planning Working Group).
- To appoint the following representatives:
 

CHRIS / HSSC	SHN (alt. DHN)
IRRC	President RHC (alt. Vice President)
CBC	DHN (alt. SHN/SOHMA)
ISPWG	SOHMA (alt. DHN).
- To invite the Hydrographic Offices of Bolivia and Paraguay to attend the next meeting.
- To request the HCIWWG to establish and clarify the definition of “inland waters”.
- To nominate the President of the RHC as the representative in the future IHO Council.
- To transfer the Chairmanship of the Commission to Uruguay on 3 May 2008.

The next meeting will be held in Montevideo in the second half of March.

### 13th MEETING OF THE BALTIC SEA HYDROGRAPHIC COMMISSION

Rostock, Germany, 19–21 August

<p><b>Chairperson:</b> Mr. LIULYS (Lithuania)  <b>Vice-Chairperson:</b> Mr. JONAS (Germany)</p>	
<p><b>Members:</b> Denmark, Estonia, Finland, Germany, Latvia, Poland, Russian Federation, Sweden.  <b>Associate Members:</b> Lithuania.  <b>IHB representatives:</b> Vice Admiral MARATOS, Lieutenant Commander SHIPMAN</p>	

The 13th Conference of the Baltic Sea Hydrographic Commission (BSHC) took place in Rostock, Germany, from 19 to 21 August, under the Chairmanship of Mr. LIULYS, the Hydrographer of Lithuania. Twenty eight delegates participated from the following eight States: Denmark, Estonia, Finland, Germany, Sweden, Latvia, Lithuania, Poland, Russia and United Kingdom as observer. Prof. EHLERS, President of the Federal Maritime and Hydrographic Agency of Germany accepted to conduct the conference as acting chair. Capt. WARD represented the IHB and informed the delegates on the progress made in the process of approval of the Protocol of Amendments to the IHO Convention, pending applications for IHO membership and the principal topics for consideration at the 4th EIHC. The IHB Director also highlighted the IHO commitment to IMO to achieve adequate ENC coverage ahead of any general mandatory carriage requirement for ECDIS, the plans for the implementation of the Hydrographic Services and Standards Committee (HSSC) and the Inter-Regional Coordination Committee (IRCC) on 1 January 2009, the current status and impact of S-100, and the intended launch of a revised IHO website by 1 September 2008.

The delegates discussed various topics: the possibilities of an S-44 workshop will be examined, technical matters affecting the integration of Editorial and Pre-print Stages on a database solution for the Production of Nautical Books were presented, and a regional approach to the harmonization of ENCs was adopted. Under strategic issues, the marine policy of the EU Commission was considered, and it was decided to put the matter of Marine Spatial Data Infrastructure (MSDI) on the standing agenda of BSHC, in view of the growing importance of hydrographic offices as contributors. There


was also discussion on some other topics concerning Capacity Building developments, and a concerted development of regular national re-survey schemes was adopted.

Finally, to mark their forthcoming retirements, the delegates and the IHB representative expressed their sincere thanks to the valuable work done by Peter Ehlers and Horst Hecht to the benefit of the BSHC over a long duration and their outstanding contributions to hydrography in general.

The next meeting of the BSHC will be held in Denmark in 2009.

## 8th MEETING OF THE SOUTH EAST PACIFIC HYDROGRAPHIC COMMISSION (SEPHC)

Cartagena de Indias, Colombia, 12-14 May

<b>Chairperson:</b> Rear Admiral PEÑA (COLOMBIA)	
<b>Members:</b> Chile , Colombia , Ecuador , Peru.	
<b>Observers:</b> Panama <b>IHB representatives:</b> Captain GORZIGLIA, Captain BERMEJO	

The 8th Meeting of the South East Pacific Hydrographic Commission (SEPHC) was held in Cartagena de Indias, Colombia, from 12 to 14 May.

Representatives from Chile, Colombia, Ecuador and Peru attended the meeting. The IHB was represented by Capt. GORZIGLIA and Captain BERMEJO.

Captain SOLTAU (Colombia) chaired the meeting, on behalf Rear Admiral PEÑA, who was unable to attend.

The outgoing Chairman, Captain GARZÓN (Ecuador) thanked the members of the Commission and the IHB for their support, stressing the special input from the Capacity Building Committee.

He listed the following actions carried out following the 7<sup>th</sup> Meeting of the Commission:

- Development of a methodology to update the IHO publication S-55 by the H.O. of Colombia.
- Workshop on Fluvial Hydrographic Surveys held in Iquitos (Peru) in September 2007.
- Seminar on Electronic Nautical Charts, held in Valparaíso (Chile) in August 2007.
- Feasibility study for the creation of a Regional Center for Dissemination of Hydrographic Information.
- Development of virtual fora.
- Proposals to the Capacity Building Committee from the member countries addressing the IHO Working Programme 2008-2012.
- Bilateral and multilateral agreements of co-operation signed by the Commission.

Captain GARZÓN, in accordance with Article 7 (a) of the Statutes, handed over the chairmanship of the South East Pacific Hydrographic Commission to the General Maritime Director of Colombia.

Capt. GORZIGLIA presented a report on the most important projects achieved by the Organization during the inter-sessional period, including the following facts:

- Increase in IHO membership.
- Decisions and findings of the XVIIth I.H. Conference.
- Regional Hydrographic Commission activities.
- Technical work.
- Relations with international organizations.
- Relations with hydrographic industry.
- Capacity Building.
- Preparation of the 4th Extraordinary I.H. Conference.

The countries participating presented national reports that were considered and endorsed by the Commission.

After the presentations, the delegates, with the support and suggestions made by the IHB representative, entered into an interesting discussion on matters of common interest, exchanging experiences and establishing cooperation points.

### 8th MEETING OF THE IHO HYDROGRAPHIC COMMISSION ON ANTARCTICA (HCA) Niteroi, BRAZIL, 6–8 October

<p><b>Chairperson:</b> Captain GORZIGLIA (IHB)  <b>Vice Chairperson:</b> Commodore NAIRN (Australia)  <b>Secretary:</b> Ing. en chef HUET (IHB)</p>	
<p><b>Members:</b> Argentina, Australia, Brazil, Chile, China, Ecuador, France, Germany, Greece, India, Italy, Japan, Korea (Rep. of), New Zealand, Norway, Peru, Russian Federation, South Africa, Spain, United Kingdom, Uruguay, USA.</p> <p><b>Observer Organizations:</b> Antarctic Treaty Secretariat (ATS), Council of Managers of National Antarctic Programmes (COMNAP), Standing Committee on Antarctic Logistics and Operations (SCALOP), International Association of Antarctic Tour Operators (IAATO), Scientific Committee on Antarctic Research (SCAR), International Maritime Organization (IMO), Intergovernmental Oceanographic Commission (IOC), General Bathymetric Chart of the Oceans (GEBCO), International Bathymetric Chart of the Southern Ocean (IBCSO), IHO Data Center for Digital Bathymetry (DCDB), Australian Antarctic Division, Antarctica New Zealand.</p>	

The 8th Meeting of the Hydrographic Commission on Antarctica (HCA) took place at the Brazilian Hydrographic and Navigation Directorate (DHN), Niteroi, Brazil, 6-8 October, organized and hosted by the DHN. Fifteen IHO/HCA Member States were present (Argentina, Australia, Brazil, Chile, Ecuador, France, Germany, India, Italy, Norway, Peru, Spain, United Kingdom, United States and Uruguay) and the representatives of international organizations (IOC, COMNAP and IAATO) and international programs (GEBCO and IBCSO).



The Chairman provided a report on the activities conducted since the last meeting and proposed several actions to the Commission for consideration during the meeting.

The following topics were considered:

- Membership status. The membership has grown to 21 IHO/HCA Members.
- Election of the Vice-Chairman. RAdm. MONCRIEFF (UK) was elected.
- Status of S-55 in Antarctica.
- HCA activities in the light of the IHO Work Program, mainly including the INT Chart and ENC schemes and chart production.
- Results of the Seminar on the Importance of Hydrography in Antarctica given at the last Antarctic Treaty Consultative Meeting in June 2008 in Kiev, Ukraine. The HCA agreed to hold a similar seminar on the occasion of the 2009 COMNAP Council that will be held in Punta Arenas, Chile, in August 2009.

An ad hoc meeting of the HCA Hydrographic Survey Work Program Working Group (HSPWG) was held to identify initiatives to be proposed to HCA. The HSPWG is led by UK with the participation of Argentina, Australia, Chile, Germany, Greece, Spain and USA. COMNAP and IAATO expressed their willingness to participate and offered their support and contribution as observers.

The Commission agreed on several actions to be carried out during the inter-sessional period, with clear identification of the responsibilities and deadlines.

Following a kind invitation received from the Hydrographic Office of South Africa to host the next HCA Meeting, the Commission agreed to hold the 9th HCA meeting in Cape Town, South Africa, 12-14 October 2009.

**10th MEETING OF THE EASTERN ATLANTIC HYDROGRAPHIC  
COMMISSION (EAtHC)**  
Lomé, Togo, 3-5 December

<p><b>Chairperson:</b> Captain Francisco PEREZ-CARRILLO (Spain) <b>Vice-Chairperson:</b> vacant</p>	
<p><b>Members:</b> France , Morocco, Nigeria, Portugal, Spain. <b>Associate Members</b> Benin, Cameroon, Cape Verde, Congo (Rep. of), Côte d'Ivoire, Guinea, Guinea-Bissau, Mauritania, Senegal, Togo. <b>Observers:</b> Congo (Dem. Rep. of), Equatorial Guinea, Gabon, Gambia, Ghana, Liberia, Sao Tome and Principe, Sierra Leone, UK , USA. <b>IHB Representatives:</b> Captain GORZIGLIA, Ing. en chef HUET</p>	

Over 50 participants attended the 10th Conference of the Eastern Atlantic Hydrographic Commission (EAtHC), hosted by the Government of Togo. The Conference was held at the Mercure SARA KAWA Hotel in Lomé, with participants from the following countries:

- Members of the EAtHC: France, Nigeria, Portugal and Spain. Morocco sent apologies for not attending.
- Associate Members of the EAtHC: Benin, Guinea, Senegal and Togo. Cameroon, Guinea Bissau, Côte d'Ivoire, Mauritania and the Rep. of Congo did not attend.
- Coastal Countries' Observers: Gambia, Ghana and Togo. D.R. of Congo, Equatorial Guinea, Gabon, Liberia, Sao Tome and Principe and Sierra Leone did not attend.
- Other Observers: USA, UK, PMAWCA, IMU of Accra and the IHB.

Mr. DOGBE, State Minister, Ministry of Post and Telecommunications of Togo, representing the President of the Republic, welcomed the participants and declared the conference open. During the Opening Ceremony the following authorities made statements: Capt. PÉREZ CARRILLO, Director of IHM (Spain) and Chairman of EAtHC; Adm. KODJO ADEGNON, Director of the Port of Lomé; Mr. LEBGAZA, General Director of Maritime Affairs; and Capt. GORZIGLIA, IHB Director. The IHB was also represented by Ing. en chef HUET.

Immediately after the opening and as part of the ceremony, an agreement between France and Togo for the development of hydrography and cartography in Togo was signed. Mr. RENAUX, Ambassador of France in Togo and Mr. DOGBE, Ministry of Post and Telecommunications of Togo, signed the agreement on behalf of their respective countries.

Amongst other items, the agenda of the conference included aspects related to the management of the Commission, and accordingly a report on the activities since the last conference in Dakar in 2006 was provided by the Chairman. Nigeria was designated Vice-Chair of the Conference and will therefore assume the Chairmanship of the EAtHC for the next two years.

The Conference reviewed the actions list agreed at the last conference. It followed a detailed report provided by the IHB on the status of the IHO Work Program. The presentation reviewed all five IHO Programs, highlighting the elements more related to the Commission, which included the main ongoing activities and the organization of the next EAtHC.

Delegates presented their National Reports. One of the issues to be highlighted is the creation of the Working Committee on Hydrography, Oceanography and Safety of Navigation of Togo, with an approach that can be used as a reference by other countries in the region. Capacity building was given high priority in the discussions, and France was designated to represent the Commission's interest in the CBC and will identify the most important needs in terms of training and equipment. The capacity building work programme with regard to the Commission was examined and France, as Commission representative to the CBC, was tasked to consolidate the region's needs. The procedures established by the CBC were also explained as well as the importance of keeping updated IHO publication S-55.

Regarding the provision of hydrographic services, the Conference considered the INT Chart situation in the region and the radio navigational warnings within NAVAREA II. In this context it was agreed that the Maritime University of Accra in Ghana would host an EAHC MSI course, in July 2009, as well as a Basic Practical Hydrographic Surveying Course earlier in 2009, an activity pending from 2008. The Conference was also briefed on the progress made by the ISPWG in updating the IHO Strategic Plan.

The EAHC approved an action list that will constitute the Commission's work program for the inter-sessional period.

The 11th EAHC Conference has been planned in late 2010 in Accra, Ghana.

## 2nd COORDINATING MEETING OF THE EAST ASIA HYDROGRAPHIC COMMISSION (EAHC)

Chiangmai, Thailand, 23-25 January

The 2nd Coordinating Meeting of the East Asia Hydrographic Commission (EAHC) was held in Chiangmai, Thailand, from 23 to 25 January. The meeting was attended by all the regional Member representatives: China, Indonesia, Japan, Malaysia, Democratic People's Republic of Korea, Republic of Korea, The Philippines, Singapore, and Thailand. Captain WARD represented the IHB and provided a briefing on the status of global ENC coverage and on various measures for consideration by the EAHC members. The Chairman of the EAHC, Mr. OEI (Singapore) presided.

The purpose of this annual meeting was to provide direction and guidance to the EAHC Working / Task Groups and Committees; collectively address IHO or IMO related issues affecting the safety of navigation in the region; kick start new projects for example, the EAHC Capacity Building Committee meeting; monitor the progress of projects and to assign resources; and provide an opportunity for Member States to raise and highlight new concerns for EAHC's consideration.

Two key outcomes of the meeting were :

- a) To prioritise and assign the region's resources to work on ENC coverage, availability and consistency. This included work carried out by the EAHC ENC Task Group on the harmonisation of ENCs and to jointly produce a new edition of the South China Sea ENCs.
- b) To realign the EAHC's training focus towards "training the trainer" and to harvest the wealth of experienced experts from within the region as lecturers. This would help accelerate the EAHC efforts in its Capacity Building program. The inaugural training courses on Quality Assurance (QA) of multibeam surveying and QA of ENCs would be held in June to coincide with the 3rd World Hydrography Day's theme of Capacity Building.

The 3rd EAHC Coordinating Meeting is planned to take place in late January 2009 hosted by China, or alternatively Japan.



## **8th MEETING OF THE BLACK AND AZOV SEAS WORKING GROUP (BASWG)**

Kiev, Ukraine, 25-26 March

The 8th Meeting of the BASWG was held in Kiev, Ukraine, on 25 and 26 March, under the Chairmanship of RAdm. IPTES, the Director of the Turkish Hydrographic Office. Representatives from Turkey, Romania, Georgia and Ukraine participated in the meeting and the IHB was represented by VAdm. MARATOS. Representatives from Spain, which is the NAVAREA III Coordinator for the promulgation of Maritime Safety information (MSI) in the Mediterranean and Black Seas, also participated.

The following issues were discussed and decided:

- The WG drafted the Terms of Reference and Rules of Procedures. These were to be circulated to all Member States for approval and then sent to the Chairman of the Mediterranean and Black Seas Hydrographic Commission (MBSHC).
- The International Chart Scheme was reviewed and a few amendments were identified which were to be forwarded to France, as the MBSHC Coordinator, for consideration.
- The WG reviewed the ENCs scheme in bands 1 and 2 and would inform France, as the Coordinator, for consideration and acceptance.
- With the support of the NAVAREA III Coordinator, discussions took place as to whether the Black Sea will become a sub-Area of NAVAREA III. Turkey agreed to act as the sub-Area Coordinator. Turkey, Romania and Georgia were in favour and Ukraine against. The matter was to be referred to the CPRNW for consideration.
- The status of bilateral agreements in the area was discussed and the needs for training. The Chair was to communicate with the CBC Chair to discuss this issue.

It was decided that the next meeting would be held in Constanta, Romania in February or March 2009.

## **CANADIAN HYDROGRAPHIC CONFERENCE**

Victoria, Canada, 4-8 May

The Canadian Hydrographic Conference and National Surveyors' Conference was held in Victoria, Canada, from 4 to 8 May. The Conference followed the theme "Bringing Land and Sea Together" and was a combined event organized by the Canadian Hydrographic Association and the Association of Canada Lands Surveyors.

The Conference covered a wide range of hydrographic topics. Capt. WARD presented a comprehensive paper on behalf of the IHO on the development and expectations of the new IHO Geospatial Data Standard for Hydrographic Information – S-100. The paper was well received, with very favourable comments being made on the way that the standard was being developed and the fact that great effort was being made to enable all potential stakeholders to contribute both to the development of the standard and also its maintenance and further expansion.

## 2. INTERNATIONAL ORGANIZATIONS

### INTERNATIONAL MARITIME ORGANIZATION (IMO)

#### **12th SESSION OF THE COMSAR SUB-COMMITTEE**

Royal Horticultural Halls, London, UK – 7-11 April

The 12th session of the IMO COMSAR Sub-Committee was held at the Royal Horticultural Halls in London from 7 – 11 April. The IHO was represented by VAdm. MARATOS, Lt. Cdr. SHIPMAN and the Chairman of CPRNW. The Coordinators from NAVAREA I (UK), II (France), III (Spain), IV (USA), IX (Pakistan), XII (USA), XVII and XVIII (Canada) and XIX (Norway) were present.

The Sub-Committee reviewed the report of the CG established at COMSAR 11 on extending the WWNWS to Arctic waters. The report was accepted and the CG re-established with new ToR in order to advance the task of bringing the 5 new Arctic NAVAREAS to Operational Status.

The Sub-Committee considered submissions by the IHO and approved the proposed amendments to Resolutions A.705(17) (Promulgation of Maritime Safety Information) and A.706(17) as amended (World-Wide Navigational Warning Service) and to the issue of a revised COMSAR Circular regarding the details of NAVAREA Co-ordinators. The Sub-Committee also noted the IHO report on the outcome of CPRNW 9.

Members of the CPRNW WG (Canada, France, Norway, Spain, Turkey, UK, USA, Inmarsat, WMO and IHB) reviewing the WWNWS documentation, set up at CPRNW 7 in 2005, met in the week following COMSAR. The meeting completed the draft revision of the Joint IMO/IHO/WMO Manual on Maritime Safety Information which will now be considered at CPRNW 10 in August prior to submission to IHO and WMO Member States for agreement and subsequent submission to COMSAR. The WG also completed a preliminary review of IHO Publications S-53 and S-53 Appendix 1, and the International SafetyNET Manual.

#### **84th and 85th SESSIONS OF THE IMO MARITIME SAFETY COMMITTEE (MSC)**

IMO HQ, London, 7-16 May and 26 November to 5 December

The 84th session of the IMO Maritime Safety Committee (MSC) was held on 7-16 May, at the newly refurbished IMO Headquarters Building in London.

The report of COMSAR 12, COMSAR 12/15 which is available on the IHO web site was not discussed due to the close proximity of the two meetings. This was to be considered at MSC 85 in November / December 2008. The urgent items emanating from NAV 53 had been considered at MSC 83 in October 2007 and only those remaining items were considered at this 84th session.

The 85th session of the IMO Maritime Safety Committee (MSC) was held at the IMO Headquarters Building in London from 26 November to 5 December and took the following actions:

- Approved the amendments to resolution A.705(17) on the Promulgation of Maritime Safety Information.
- Approved the amendments to resolution A.706(17) on the IMO/IHO World-Wide Navigational Warning Service.

- Endorsed the issue of the COMSAR circular on the list of NAVAREA Co-ordinators.
- Adopted 14 new or amended Routeing Measures.
- Adopted the proposed amendments to the General Provisions on Ships' Routeing, subject to confirmation by the Assembly.
- Approved the amendments to SOLAS regulation V/19 with respect to a mandatory carriage requirement for ECDIS, with a view to adoption at the 86th Session in May 2009. The dates for the phased implementation, as prepared by NAV54, were approved.
- Approved the SN Circular on "Transitioning from paper chart to electronic chart display and information systems (ECDIS) navigation".
- Approved the strategy for the development and implementation of e-navigation.
- Approved the framework for the implementation process for the e-navigation strategy along with the time frame for implementation of the strategy, requesting other international organizations to participate in the implementation of e-navigation.
- Endorsed the NAV Sub-Committee's decision that the Chairman along with the Secretaries of the COMSAR, NAV and STW Sub-Committees should jointly develop a co-ordinated approach to implement the e-navigation strategy, and
- Approved the draft SN Circular detailing an amendment to SN/Circ.243 on Guidelines for the presentation of navigational-related symbols, terms and abbreviations relating to a new symbol for the presentation of an AIS Search and Rescue Transmitter (AIS-SART).

The IHO was represented by VAdm. MARATOS and Lt. Cdr. SHIPMAN (IHB) at both meetings.

**58th SESSION OF THE TECHNICAL COOPERATION COMMITTEE (TC58) MEETING**  
IMO Headquarters, London, 10-12 June

The 58th session of the IMO Technical Cooperation Committee (TC58) was held at the IMO Headquarters Building in London, from 10 – 12 June. The IHO was represented by Lt. Cdr. SHIPMAN.

The delegations welcomed Mrs. M. N. MBANEFO, in her new role as Director of the Technical Cooperation Division and as Secretary of TC58. The Committee reviewed the report on the Integrated Technical Cooperation Programme (ITCP) for the period 2006-2007 and discussed the sustainable funding of the ITCP. The Committee also considered a consultant's report on "Impact Assessment of technical co-operation activities during 2004-2007".

A report on 20 years of the IMO's Women in Development (WID) programme was also received together with a report on developments and fellowships at the World Maritime University (Sweden) and the International Maritime Law Institute (Malta). The Italian delegation reported that they expected the International Maritime Academy to reopen in late 2008, either at Trieste or in Genoa.

Under Agenda Item 9 "Work of other bodies and organizations" the IHO reported on its Capacity Building Activities. This report was very well received with some 13 delegations speaking in support of the IHO's work on Capacity Building.

The Committee re-elected Mr. OWUSU-MENSAH of Ghana as Chairman for 2009 and elected RAdm. OLIMBO of Italy as the Vice Chairman for 2009. The 59th session of the TCC will be held in June 2009 on dates yet to be decided.

**54th SESSION OF THE SAFETY OF NAVIGATION SUB-COMMITTEE (NAV)**  
IMO Headquarters, London, 30 June – 4 July

The 54th session of the Safety of Navigation Sub-Committee (NAV) of the IMO was held at IMO Headquarters in London, from 30 June - 4 July. The IHO was represented by VAdm. MARATOS, Capt. WARD and Lt Cdr. SHIPMAN. Many Heads and representatives of hydrographic offices also attended. The Sub-Committee had a very full agenda, of which:

- Routeing of Ships, ship reporting and related matters;
- Amendments to the general provisions on ships' routeing;
- Development of an E-Navigation Strategy; and
- Development of carriage requirements for ECDIS

were of most direct relevance.

The Sub-Committee decided to propose a mandatory carriage requirement for ECDIS to be phased in between 2012 and 2018 depending on class of ship and tonnage. An exemption for ships due for retirement within 2 years of the relevant implementation date was also agreed. Draft amendments to SOLAS Regulation V/19 and an SN/Circular entitled "Guidance on Transitioning from Paper Chart to ECDIS Navigation" were prepared. The Sub-Committee adopted the following definition for an Adequate ENC Coverage:

*Sufficient ENC availability is equivalent to the best available paper chart coverage of either a Hydrographic Office providing global coverage or the Hydrographic Office of the coastal State.*

The recommendations of the Sub-Committee will now go to the Maritime Safety Committee (MSC) for adoption.

The Sub-Committee finalized a draft strategy for e-navigation for consideration by the MSC. A work programme item on the "Development of an e-navigation strategy implementation plan" for the period 2009-2012 has also been requested. ECDIS and the availability of ENCs are a major element of the strategy and the IHO was requested to continue providing the Sub-Committee with annual updates on ENC availability and capacity building activities for the provision of ENCs of the waters of developing States and Small Island Developing States.

The Sub-Committee approved 7 new / revised Traffic Separation Schemes, 5 other routeing measures and 2 new / amended Mandatory Reporting Systems all of which will now go to the MSC for adoption at its 85th session in November.

Following a proposal by Norway, the United Kingdom and the IHO, the Sub-Committee agreed to an amendment to the General Provisions on Ships' Routeing (Resolution A.572(14) as amended) to align the symbology used for archipelagic sea lanes and routeing systems boundaries with those included in IHO publication M-4. This will now go to the MSC for adoption and approval by the Assembly.

The IHO informed the Sub-Committee, in document NAV54/INF.7, of its adoption of the following revised standards and specifications: the 5th Edition of S-44; Edition 3.4 of S-52 Appendix 2, Annex A; and Edition 1.1 of S-63 all of which are referenced in IMO Resolutions.

The 55th session of the Sub-Committee on Safety of Navigation is provisionally scheduled to be held from 27 - 31 July 2009.

## INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (IOC)

### **41st IOC EXECUTIVE COUNCIL**

Paris, France, 24 June – 01 July

The 41st Executive Council (EC) of IOC met from 24 June to 01 July in Paris, France, to review the progress and to adopt resolutions pertaining to the IOC Programs. 40 Member States out of 136 have a seat on the EC. The Heads of the following Hydrographic Offices were also present: Brazil, Canada, Chile, Germany and Turkey. Other delegations included hydrographers and /or oceanographers from IHO Member States, such as Argentina, Colombia, Ecuador, France, Peru and Venezuela. The IHO was represented by Capt. GORZIGLIA.

At the Opening Ceremony the IOC Executive Council was addressed by UNESCO's Director-General, Mr. MATSUURA, and by Lic. VALLADARES, President of IOC. UNESCO's decision to increase IOC resources for the 2008-2009 biennium by US\$ 500,000 was highlighted; the progress made in the establishment of a regional tsunami warning system; the assistance in determining the outer limits of Member States' continental shelf and the 50th anniversary of IOC in 2010. The IOC President stressed the importance of cooperation with IHO in the field of capacity building.

Following the presentation of the report by the IOC Executive Secretary, Dr. BERNAL, the IHO representative highlighted the existing cooperative activities being carried out by IOC and IHO under the current MoU, especially with regard to cooperation in tsunami studies, where bathymetry constitutes a vital component. The IHO confirmed its readiness to fully cooperate with IOC in the development of inundation maps and related coastal bathymetric activities required for the regions, in particular the Indian Ocean.

The GEBCO GC Chairman, Mr. MONAHAN, introduced the new Terms of Reference and Rules of Procedures for the GEBCO Guiding Committee and its two Sub-Committees. The IHO representative informed the IOC EC that the IHO Member States had approved these texts in March. He also stressed that despite these modern and updated texts, GEBCO's effectiveness and efficiency would depend on the support provided by the two co-sponsoring organizations, IOC and IHO. The Executive Council approved the revised texts. China expressed its willingness to provide an IOC representative to fill the vacancy on the Sub-Committee on Undersea Features Names (SCUFN).

The IHO representative highlighted the importance of comprehensive bathymetry to contribute to tsunami modeling and mitigation, as well as the importance of public awareness, and recommended that, at a regional level, tsunami warning systems operators might wish to consider contacting the appropriate IHO regional hydrographic commissions to obtain available bathymetry to support the work. He also encouraged the IOC EC to keep the Ocean Mapping Program going and properly funded, including both the GEBCO and the International Bathymetric Charts regional projects.

The IOC President and participants at the Executive Council appreciated the contribution made by the IHO.

**COAST-MAP-IO PROJECT**  
IOC-IHO Assessment Visit, Maldives, 2-4 April



A technical assessment visit was conducted by an IOC-IHO expert team in the Maldives from 2 to 4 April, as part of the IOC COAST-MAP-IO project. This project addresses the need for countries bordering the Indian Ocean to acquire and fully exploit coastal bathymetric data for the development of various products required for preparedness and mitigation of ocean-based extreme events. Its objectives are:

- To enhance available expertise to locally produce accurate bathymetric and topographic maps on either side of the high tide-line.
- To provide modeling capacity for Tsunami arrival, run-up and inundation in coastal areas.
- To provide the necessary tools and training for national agencies responsible for Disaster Management and Preparedness to exploit the bathymetric and land datasets for the development of targeted maps and services, including inundation maps.

The objective of the assessment visit were to determine the level of capacity, identify focal points and national partner agencies, as well as existing data sources for coastal bathymetry and land topography in Maldives.

The team was welcomed by the Ministry of Construction and Public Infrastructure (MCPI), and was able to meet and discuss with institutions in the Maldives likely to be concerned with the Coast-Map-IO project, in particular the Coast Guard. A courtesy visit was paid to the Minister of Construction and Public Infrastructure.

Due to the importance of bathymetry in the project, the MCPI, with their experience in hydrographic surveying, should play a key role in the establishment and management of the COAST-MAP-IO bathymetric and topographic database, providing they receive appropriate training and equipment. The surveys conducted and planned by the Indian Navy Hydrographic Office in Maldives waters, in cooperation with the Maldives Coast Guard, should provide very useful bathymetric data for COAST-MAP-IO.

## INTERNATIONAL FEDERATION OF SURVEYORS (FIG)

### **FIG WORKING WEEK** Stockholm, Sweden, 14 to 19 June

The International Federation of Surveyors (FIG) held their annual Working Week, WW2008, entitled “Integrating Generations” in Stockholm, Sweden from 14 – 19 June. The IHO was represented by Lt. Cdr. SHIPMAN. Mr. ASTERMO, former Hydrographer of Sweden was Chairman of the Organizing Committee / Conference Director. WW2008, which was held jointly with a UN-Habitat Seminar, was attended by almost 1000 delegates from 95 countries. The Opening Ceremony included Keynote Addresses by Mr. CARLGREN, Swedish Minister for the Environment and Climate; Dr. TIBAIJUKA,

Executive Director of UN-Habitat; Dr. GHANI, Chairman of the Institute of State Effectiveness (Afghanistan); and Professor ENEMARK, President of FIG.

Commission 4 “Hydrography” held their annual meeting during which Mr. JOHNSTON, current Chairman of the FIG/IHO/ICA Advisory Board on Standards of Competence, reported on the outcome of the 2008 Board meeting. Lt. Cdr. SHIPMAN reported on the recent issue of the 5th Edition of IHO publication S-44. Two Working Groups of Commission 4 reported on the activities with respect to “A Marine Cadastre” and “Promoting the economic benefits of Hydrography”. It was agreed that this WG would prepare a leaflet on the “Economic Benefits of Hydrography” for release during the next FIG Congress. The IHB will assist in the preparation of this leaflet. Further details and a full report will be available from the FIG website: [www.fig.net](http://www.fig.net). Commission 4 organised three sessions on “Coastal Zone Administration”; “Hydrographic Information Management”; and “Hydrographic Surveying in Practice”. All papers presented are available from the FIG web site. Commission 4 also organised an interesting visit to the Swedish Maritime Administration’s “Eastern Region’s Vessel Traffic Service” which was led by Mr. OLSSON, the Swedish member of the Working Group which produced the 5th Edition of S-44.

The FIG WW2009 entitled “Surveyors’ Key Role in Accelerated Development”, will be held in Eilat, Israel, from 3 – 8 May 2009 and the 2010 FIG International Congress will take place in Sydney, Australia from 11 – 16 April 2010. The 7th FIG Regional Conference “Spatial Data Serving People” will be held in Hanoi, Vietnam from 19 – 22 October 2009.

## ANTARCTIC RELATED ORGANIZATIONS

### 31st ANTARCTIC TREATY CONSULTATIVE MEETING (ATCM)

Kiev, Ukraine, 1–13 June

The 31st Antarctic Treaty Consultative Meeting was held from 1 to 13 June in Kiev, Ukraine. On this occasion one Committee – the Committee for Environmental Protection (CEP) -and three Working Groups were created: the Legal & Institutional Working Group, Tourism and Non-Governmental Activities Working Group and the Operational Matters Working Group. There was also a two-hour seminar, organized by the IHO/HCA, on the “Importance of Hydrographic Activities in Antarctica”.



*Capt. GORZIGLIA, IHB Director*

Representatives from 36 countries and 8 international organizations participated and considered 56 Working Papers (WP) and 126 Information Papers (IP) submitted by various countries and international organizations, together with 12 documents submitted by the AT Secretariat. Dr. LYTUVNOVIK, Director of the National Antarctic Center of Ukraine, opened the Meeting. Opening Addresses sent by the President of Ukraine and by the Minister of Foreign Affairs were read out. Mr. KOMISARENKO, Ukraine was appointed Chairman of the XXXIst ATCM. The Government of the Principality of Monaco announced its recent signature of the Treaty, thus becoming the last country to have acceded to the Treaty. The IHO was represented by Capt. GORZIGLIA, who attended the meeting from 2 - 10 June.

Various documents related to the IHO objectives were presented. The complete list can be consulted at the following web page [www.atcm2008.gov.ua](http://www.atcm2008.gov.ua).

A meeting was held with Mrs. LANDAU, Executive Secretary of IAATO, Mr. GUICHARD (COMNAP Executive Secretary) and RAdm. CATALAN, Chair of the COMNAP Working Group on Ship Operations. It was agreed that during 2009 and 2010 similar seminars should be arranged when the COMNAP and IAATO general meetings take place. This idea will be further explored following the meeting scheduled for both organizations this year.

The 30th ATCM accepted the IHO's offer to hold a Seminar on "The Importance of Hydrographic Activities in Antarctica" at the 31st ATCM. The Seminar was opened by Capt. GORZIGLIA (IHB), who explained the objective of the event.

Over 300 persons attended the Seminar that contributed to raise awareness of hydrography and to encourage strong support of WP 38 and its proposed resolution that recommends Governments to proceed as follows:

1. To encourage their national programme vessels and other vessels, as appropriate, to collect hydrographic and bathymetric data on all Antarctic voyages, as practicable.
2. To cooperate with the HCA to improve hydrographic surveying and charting in the Antarctic region including working to:
  - a. clarify with HCA requirements for the collection of hydrographic data of sufficient quality for use in the development of electronic navigational charts and,
  - b. identify priority areas for the collection of additional hydrographic and bathymetric data.
3. To forward any Antarctic hydrographic and bathymetric data collected to the relevant international chart producer for charting action.
4. To endeavour to find additional resources towards improving hydrographic surveying and charting in the Antarctic region.

It was decided to invite the IHO to report on the progress of hydrographic surveys and nautical charting in Antarctica at the 32nd ATCM which will be held in Baltimore, USA, from 6 to 17 April 2009. This meeting will coincide with the 50th anniversary of the Antarctic Treaty.

It is important to note that the ATCM approved a very important resolution regarding the importance of hydrographic surveys and nautical charting in Antarctica and adopted the IHO report. The IHO Antarctic activity is very well known and its importance appreciated. The HCA made a positive contribution to the IHO objectives by holding the Seminar and thought will be given to organizing similar events for COMNAP and IAATO audiences in 2009 and 2010, respectively.

## **INTERNATIONAL ASSOCIATION OF MARINE AIDS TO NAVIGATION AND LIGHTHOUSES AUTHORITIES (IALA)**

The IHO has continued to be represented at meetings of IALA's E-Navigation Committee. Mr. LIANGYU of the Shanghai Maritime Safety Agency attended the fourth meeting in Shanghai, China from 25 – 29 February and Ingénieur Général LAPORTE, France, attended the fifth meeting in Paris from 15 – 19 September. Ing. Gen. LAPORTE also represented the IHO at an inter-sessional meeting of the E-Navigation committee's working group on Operations and Strategy in Paris from 14 – 18 January.

Mr. SMITH of the UK Hydrographic Office attended meetings of IALA's World VTS Guiding Board as an IHO Observer in January 2008. VAdm MARATOS and Capt. WARD visited the Paris offices of



IALA to discuss matters of common interest with the Secretary General of IALA in accordance with the MoU between IHO and IALA.

## UNITED NATIONS

### IHO'S PARTICIPATION IN THE UNITED NATIONS ENVIRONMENT PROGRAMME

The International Hydrographic Bureau was invited by the Government of Monaco to participate in the United Nations Environment Programme Civil Society Forum and its 10th Special Session of the Governing Council/Global Ministerial Environment Forum which took place at the "Grimaldi Forum" from 19 – 22 February in Monaco.

The IHO was offered a spacious exhibition area to display panels to inform UNEP participants on the role of the IHO, its aims and objectives. This was an excellent opportunity to promote the activities of our Organisation and to increase awareness of the importance of Hydrography in supporting safety of navigation and protection of the marine environment.

The UNEP Forum was attended by over a thousand participants. The mission of the UNEP is to provide leadership and encourage partnership in caring for the environment by inspiring, informing, and enabling nations and peoples to improve their quality of life without compromising that of future generations.

## MISCELLANEOUS

### PORT MANAGEMENT ASSOCIATION OF WEST AND CENTRAL AFRICA 31st EXECUTIVE COUNCIL

Abidjan, Côte d'Ivoire, 21-25 April

The PMAWCA invited the IHO to attend the 31st Executive Council in Abidjan, Côte d'Ivoire, from 21 to 25 April. Capt. GORZIGLIA, IHB Director, represented the IHO and attended the Maritime Safety, Environmental Protection and Operations Committee meeting where the work focused on reviewing the past activities. He gave a presentation to the PMAWCA Board of Directors that included a brief description of the IHO, the SOLAS Convention, in particular Regulation 9 of Chapter V covering "Hydrographic Services", the status of hydrography in the region, the IHO Capacity Building effort in the area and Conclusions and Recommendations.

The following conclusions were agreed by the participants:

- a) There is a need to develop hydrographic capabilities in the region as the lack of charts and capabilities to advance were not sustainable in modern times.
- b) A resolution should be drafted and adopted which will request Maritime Authorities to consider this matter with some urgency. It was noted that hydrography is a governmental problem where ports can play a role, but political willingness is required.
- c) The importance of raising awareness at governmental level through the maritime authorities in the region was noted. Hydrography needs to be made better known to other relevant persons, agencies and activities.
- d) The identification of priority projects and request for support from funding agencies for their implementation were highlighted. The need to improve safety of navigation and protection of the environment will be maintained as a priority.
- e) Training was identified as a necessary step forward to generate a basis for development.

- f) Participation of PMAWCA - Members and the Secretary General - in the forthcoming EAtHC meeting was strongly supported. Togo indicated that they were seriously considering hosting the meeting and a final decision would soon be taken.

### **INTERNATIONAL RADIO-MARITIME COMMITTEE (CIRM) ANNUAL MEETING**

Dublin, Ireland, 21-23 April

The International Radio-Maritime Committee (CIRM) held its annual Conference in Dublin, Ireland, from 21 to 23 April. CIRM is the body representing the maritime electronics industry in the development of international regulations and standards and is recognized by the IHO as a Non-Governmental International Organization. CIRM maintains an active role in the IHO Committee on Hydrographic Requirements for Information Systems (CHRIS), with a number of its members also participating as Expert Contributors in various CHRIS Working Groups. Captain WARD represented the IHO at their Annual Meeting and provided an update on issues and activities of interest to CIRM members.

Topics covered during the meeting of interest to Member States included a progress report on the revised test specifications for ECDIS (IEC 61174), the E-Navigation Concept, Portable Pilot [navigation] Units and future Interface standards for all bridge equipment.

CIRM's brief includes communications systems, navigation systems and security and significant time was given over to the progress of Long Range Identification and Tracking systems that are mandated from the end of this year on all ships.

### **ACCREDITATION OF THE INTERNATIONAL MARITIME PILOTS' ASSOCIATION (IMPA) AS A NON-GOVERNMENTAL INTERNATIONAL ORGANIZATION (NGIO)**

In October, the IHO Member States approved the accreditation of the International Maritime Pilots' Association as an NGIO. The Directing Committee is confident that the IMPA will positively contribute to the work of the IHO in view of its existing active participation in relevant international maritime fora. IMPA has enjoyed accredited consultative membership at the IMO for many years and IMPA delegates make significant contributions to various aspects of the work of IMO through their participation in its many Committees and Working Groups. More information on the IMPA may be found on their website: [www.impahq.org](http://www.impahq.org).

### **MEMORANDUM OF UNDERSTANDING BETWEEN THE IHO AND THE EUROPEAN UNION COMMISSION**

Members of the North Sea Hydrographic Commission (NSHC) raised concerns that initiatives of the European Union Commission (EC) on important maritime issues were lacking proper hydrographic input. In particular it was identified that Member States were not being consulted by the EC. While on some occasions there were national responses to the EC on specific topics, it was agreed that there was a need to coordinate responses and influence the EC from within the IHO structure. The NSHC has decided to establish a Working Group on "European Union (EU) Marine and Maritime Policies" to be Chaired by France.

On Friday 25 January, France organized a meeting in Brussels with the EC officials on maritime issues in order to examine the relationship between the EU institutions and HOs through the IHO. The objectives of the meeting were:

- To raise awareness on HOs capabilities, missions and responsibilities and existing networks;
- To give insight into the IHO and its activities;
- To provide an overview of the IHO contribution to the establishment of the EU Maritime Integrated Policy;
- To improve EU institutions/agencies-EC-IHO partnership;
- To identify any actions that could benefit from initiatives during the French presidency of the EU Council.

The meeting was very fruitful for both sides, allowing the opportunity: to highlight the importance of hydrography on all issues concerning safety at sea, pollution of the marine environment, security and development; to understand the specific maritime initiatives and needs of the EC and; to discuss how future cooperation can be better organized and the need for expert participation in meetings on specific topics of interest to both parties. It was decided to formalize this cooperation through a Memorandum of Understanding (MoU) between the IHO and the EC so that Member States could be better informed on developments concerning cooperation with EC.

### **OFFICIAL LAUNCH OF INDONESIAN ENCs**

Jakarta, Indonesia, 11 December 2007

ENCs of 18 international ports and three ENC covering key archipelagic sea lanes through Indonesian waters were created in just six months by Jawatan Hidro-oseanografi (JANHIDROS), the national hydrographic office of Indonesia. This was the first part of an accelerated ENC production programme that aims to see Indonesia achieve full ENC coverage by 2009.

The Hydrographer of Indonesia RAdm. RANPANGELEI hosted an opening ceremony onboard the Indonesian survey ship *Leuser* in front of over 100 guests and a large media contingent. A short sea cruise provided the opportunity to see the ENC in use. The guest of honour at the ceremony was His Excellency H. HARIJOGI, Secretary General of the Ministry of Transportation. Mr. OEI, Hydrographer of Singapore, represented the East Asia Hydrographic Commission. Capt. WARD represented the IHB. This launch of Indonesia's ENC covered the most important trade routes and ports in Indonesia and marked a steadily increasing level of hydrographic activity and cooperation that is taking place in the East Asia region. The Indonesian ENC help complete the ENC coverage from Japan and Korea, through the Indonesian Archipelago to the East Coast of Australia.

JANHIDROS is an active member of the East Asian Hydrographic Commission, where regional hydrographic interests and capabilities are regularly coordinated to the benefit of all the participants. JANHIDROS is also deeply involved in the IMO / World Bank project to establish the world's first *Marine Electronic Highway* in the Malacca Strait and Singapore Strait.

## WORK PROGRAMME 2 CAPACITY BUILDING

### 1. ESTABLISHMENT OF THE INTERNATIONAL SAFETY, SECURITY AND ENVIRONMENT ACADEMY (IMSSEA)

On 12th September, the Chairman of the “Accademia Italiana della Marina Mercantile” (Italian Shipping Academy), informed the IHB about the creation of the “International Maritime Safety, Security and Environment Academy” (IMSSEA) affiliated to the International Maritime Organization (IMO).

The IHB expressed its appreciation of this news 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. At a joint meeting that took place on 28th October, the following actions were agreed:

1. The Academy will study a Draft Cooperation Arrangement proposed by the IHB to formalize the relationship between IMSSEA, IMO and IHO. As soon as the text is finalized the IHB shall provide it to IMO for consideration.
2. The IHB will 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.
3. The Academy will 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.
4. The IHB will identify, in conjunction with the Academy, the courses that could be suggested to IMO to be included in the Technical Cooperation Committee Work Program for the period 2010/2011.
5. The IHB will provide support to the IIM, as and if required, for the preparation of the submission to the IAB of hydrographic surveying and nautical cartographic programmes.

On 28 November, Capt. GORZIGLIA, represented the IHO at the inauguration ceremony of the International Maritime Safety Security and Environment Academy (IMSSEA), which took place in the “Stazione Maritima” of the Port of Genoa, Italy.

The Secretary General of IMO and authorities from the Province of Genoa, the Port of Genoa, the Coast Guard, the Ministry of Foreign Affairs, amongst others, attended the ceremony. Also present at the event were representatives from the Navy, the maritime sector and students from the Italian Shipping Academy.



*Mr. Maurizio ZINI, Director of IMSSEA and  
Captain Hugo GORZIGLIA, IHB Director*

The ceremony included several presentations: Mr. ZINI, Director of IMSSEA and Prof. MASSOLO, President of the Italian Shipping Academy outlined the objectives and challenges for the new Academy, highlighting the cooperation that has already started with IHO. RAdm. MITROPOULOS, IMO General Secretary, congratulated the Italian authorities for their initiative to establish IMSSEA and wished every success for the future training of new generations of seafarers. This new Academy - arm of the IMO - offers an excellent venue for training due to its location in the Port of Genoa.

At the end of the ceremony, the IHB Director presented an IHO crest to IMSSEA and, at the same time, the Director of IMSSEA presented a commemorative plate of the inauguration.

## 2. CAPACITY BUILDING COMMITTEE

### 6th MEETING OF THE IHO CAPACITY BUILDING COMMITTEE

IHB, Monaco, 27-29 May

**Chairperson:** Capt. H. GORZIGLIA (IHB)  
**Vice-Chairperson:** Mr. J. KRASTINS (Latvia)  
**Secretary:** Capt. F. BERMEJO (IHB)  
**Members:** Australia, Brazil, Chile, France, Germany, India, Japan, Korea, Mexico, Mozambique, Norway, UK, USA

The 6th meeting of the IHO CBC was held at the International Hydrographic Bureau, Monaco, from 27 to 29 May, under the chairmanship of Capt. Hugo GORZIGLIA (IHB Director) and with three new members from Japan, Norway and UK and two observers from Madagascar and IOC.

The Chairman provided a general overview of the activities undertaken since the last meeting, and the following main topics were considered by the Committee:

- General IHO CB Activities not under the CB Work Programme, mainly co-operation with IMO and IOC.
- World Hydrography Day.
- S-55 Progress.
- Capacity Building Fund.
- 2007 CB WP. Executed and Pending Activities, including Technical visits paid, Workshops, Seminars and Short Courses organized.
- Management Plan, that was updated by the Committee, following the submissions made by the RHCs.
- CBC draft document on "Procedures".
- IHO Resolution T1.3.

In accordance with the updated Management Plan, the CBC Work Programme 2008 and to the Draft Work Programme for 2009 were adjusted and agreed.

The Chairman reminded the Committee that, from 1st January 2009, a new IHO structure will enter into force, the CBC becoming the Sub-Committee on Capacity Building, reporting to the Inter-Regional Cooperation Committee (IRCC). He requested the Committee members to give consideration to the nomination of a new CBC Chairman at the CBC 7. The newly elected CBC Chairman should be prepared to attend the first meeting of the IRCC, which will be held immediately after the closure of the 4th Extraordinary IH Conference. The CBC Chairman is a member of the IRCC.

The representative of the Republic of Korea confirmed the invitation made at the CBC 5, and the Committee agreed to hold the 7th meeting in Seoul from 11 to 13 May 2009, with South Africa as an alternative venue.

### **CAPACITY BUILDING WORK PROGRAMME**

The Capacity Building Committee approved the CBC Work Programme for 2008 and the Draft Work Programme for 2009. Both are available to Member States from the CBC Web page of the IHO site.

### **CAPACITY BUILDING PROCEDURES**

The CBC approved a set of Procedures to improve CB assessment, provision and accountability. The five Procedures are indicated below:

- 1) Procedure and model for submitting a requests of support to the CBC.
- 2) Procedure to be followed by RHCs before submitting requests of support to the CBC.
- 3) Reviewing process to be followed by the IHB, prior to include request in the Draft Management Plan.
- 4) Procedure to be followed by the CBC when considering submission requesting support.
- 5) Procedure for performance assessment. This includes the study and develop of the existing Tables of Performance Indicators discussed.

### **CAPACITY BUILDING ASSESSMENT**

#### **Technical Visits**

The following visits were paid or are in preparation to the countries and areas indicated below:

1. Uruguay, Brazil, Argentina (CBC Chairman)
2. Bahrain, Cuba and Haiti (IHB)
3. Maldives (IOC/IHO Team within the COAST-MAP Project.)
4. Angola and Malawi (Coordinated by the SAIHC Chairman)
5. Albania, Malta and Romania (Coordinated by the MBSHC Chairman)

### **CAPACITY BUILDING PROVISION**

#### **Technical Workshops**

In cooperation with IMO, an IMO-IHO Workshop on Hydrography was held in Paramaribo, Suriname in November.

#### **Technical Seminars**

Also in cooperation with IMO, a Seminar on Raising Awareness of Hydrography in the Island States of the South Pacific was organized in Suva, Fiji, in October.

## Short Courses

Course	Date and place	Area/ Countries participant
1. Course on Maritime Safety Information	Cadiz, Spain, 11-13 March	MBSHC - Malta, Tunisia, Algeria, Syria, Suriname, and Spain
2.Support for attendance to multi-beam courses	Goa, India 10-22 November	Algeria, Estonia, Fiji, Kenya, Mauritius, Myanmar, Oman, Serbia, South Africa and Tanzania.
Support for attendance to multi-beam courses	Niteroi, Brazil 24-28 November	MACHC - Argentina, Colombia, Cuba, Chile, Suriname, Uruguay
Quality Assurance in Multibeam surveying and post processing course	Singapore 16-19 June	EAHC – Indonesia, Japan, Malaysia, Philippines, Rep. Of Korea, Thailand, Vietnam
Quality Assurance in ENC Production	Bangkok 4-6 November	EAHC -
Introduction to Hydrographic Surveying	Nairobi (Kenya) 20-24 October	Kenya, Madagascar, Malawi, Mozambique, Namibia, Seychelles, Tanzania, Uganda.
Regional Data Exchange Workshop	Cartagena, Colombia 28-31 October	SEPHC - Chile, Ecuador and Peru
ENC QA Workshop	Niteroi, Brazil 5-6 November	SWAtHC - Argentina, Colombia, Costa Rica, Honduras and Uruguay.

## Projects

The IHO also cooperates with other international organizations in developing and providing joint projects, with a view to supporting the progress of hydrography, nautical cartography and related sciences world wide. Some of these projects are listed below:

### Gulf of Honduras

This project, approved and funded by the InterAmerican Bank of Development and GEF supports the development of environmental protection in the area of Belize, Guatemala and Honduras. the IHO is providing support, especially through the Meso American and Caribbean Hydrographic Commission, to develop the hydrographic component of the project.

### Black and Azov Seas Working Group

Established by the Mediterranean and Black Seas Hydrographic Commission, this Working Group is in charge of developing a project of hydrographic development of the area. A meeting was held in 2008 (See under MBSHC).

### Marine Electronic Highway for the Malacca and Singapore Straits (MEH)

A Memorandum of Agreement has been signed between the Ministry of the Environment of Indonesia and the Batam Industrial Development Authority for the provision of the Project Management Office located in the Harbour Office of Batu Ampar. The Republic of Korea has contributed additional funds to enhance MEH-based infrastructure.

### Sea Power Symposium

Organized between the Navies of the Mediterranean and Black Sea countries. Meetings are held, periodically since 1998. The IHO is represented by the IHB and has participated in all the meetings held.

The countries involved in the project are Albania, Georgia, Greece, Italy, Morocco, Spain, Turkey and UK.

### **Western Indian Ocean Marine Highway Development and Coastal And Marine Contamination Prevention Project**

The project's medium to long-term global environmental goal is to reduce the risk of ship-based environmental contamination (such as oil spills from groundings and illegal discharges of ballast and bilge waters) and to strengthen the capacity of countries to respond to oil or chemical spill emergencies in the region. The project is co-funded by the GEF, the governments of Comoros, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, South Africa, and Tanzania and other partners.

## **3. MISCELLANEOUS**

### **CO-ORDINATION MEETINGS WITH OTHER INTERNATIONAL ORGANIZATIONS**

The IHO has established partnerships with other international organizations, aiming at providing Capacity Building to developing countries. Among these activities, the following should be noted.

#### **Coordination meeting on Capacity Building matters with IMO, IOC and WMO**

Following an initiative from the IHB, the responsible officers for Capacity Building matters in the IMO, IOC and IHO decided to hold annual meetings to consider matters such as the procedures established in each organization, their Work Programmes and Funding mechanisms, the experiences gained in the provision of CB, the experience with Funding Agencies and Organizations, the Status of joint co-operation projects and the areas of common interest.

The second meeting of the IHO, IMO and IOC representatives was held in October. IALA will be invited to join the other parent organizations at the next meeting.

#### **Joint IOC/IHO cooperation**

In the light of project ICO COAST MAP -10, the IHB has been participating jointly with IOC in technical visits to assess the situation of selected countries in the Indian Ocean.

Other "ad hoc" co-ordination meetings have been held with IMO, IOC, FIG and other organizations within the frame of joint projects in development.

### **CONTRIBUTION OF THE REPUBLIC OF KOREA TO THE IHO CAPACITY BUILDING FUND**

The Republic of Korea made its annual financial contribution to the CBC Fund in accordance with a Memorandum of Understanding signed in 2006. The IHB Directing Committee is grateful to the Government of the Republic of Korea for making this financial contribution to the IHO Capacity Building Fund. The funds contribute to enhancing the Capacity Building efforts of the Organization for establishing and improving the hydrographic and cartographic capabilities, especially of Developing States.



## JAPAN HYDROGRAPHIC ASSOCIATION CB 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.

### 4. FIG/IHO/ICA INTERNATIONAL BOARD ON STANDARDS OF COMPETENCE FOR HYDROGRAPHIC SURVEYORS AND NAUTICAL CARTOGRAPHERS

#### 31st MEETING OF THE FIG-IHO-ICA IAB Sydney, Australia, 07-11 April

The 31st meeting of the FIG/IHO/ICA Board was hosted by Australia and held at the HMAS Penguin Naval Base in Sydney (Australia).

The main items considered by the Board were the new Guidelines for submission of courses and Internal Assessment of Courses, the procedures for internal assessment, the reduction of period for re-submission of courses (10 to 6 years) the IAB Terms of Reference and Rules of Procedure and the study of funding/cost-recovery mechanisms.

#### Review of courses

The courses submitted to the IB were reviewed and the results are shown in the table below:

Course	Decision
Specialization Course of the Italian Hydrographic Institute.	Re-recognized at Category A with Options 1, 2 and 5.
Course Programme in Hydrography from Skilltrade – STC.	Recognized at Category B upon receipt of complementary information.
Course in Hydrography from the University of Technology of Malaysia (UTM).	Re-recognized at Category A with Options 2 and 7.
Hydrographic Education Programme of the University of Otago (New Zealand).	Re-recognized at Category A.
Group Training Course in Information Management for Maritime Activity and Disaster Prevention of Japan Coast Guard and Japan International Cooperation Agency.	Re-recognized at Category B.
Advanced Course in Hydrography of the Japan Coast Guard Academy.	Re-recognized at Category A with Option 1.
Applied Hydrography Education Certificate Programme of the Middle East Technical University (Ankara, Turkey).	Rejected. New submission required.

The updating of M-5 “Standards of Competence for Hydrographic Surveyors” and M-8 “Standards of Competence for Nautical Cartographers” will be carried out by the Board Members with input from the parent organizations, in accordance with the Board’s Terms of Reference.

### Individual Recognition

Following the mandate received from the parent organizations, the Board agreed that the best approach to this matter was to establish a procedure to recognize national schemes, or programmes, for the certification of individuals. The experience of existing bodies, such as the Australasian Hydrographic Surveyors Certification Panel (AHSCP) and the ACSM from USA, provided the Board with some examples to follow in developing a framework for such a procedure. The Board intended to work on this topic during the inter-sessional period and consider a provisional text by 1st October.

The 32nd meeting will be held in Genoa, Italy.



**The IAB members and other participants**

---



## WORK PROGRAMME 3

### TECHNIQUES AND STANDARDS SUPPORT

## 1. CARTOGRAPHY AND HYDROGRAPHIC INFORMATION SERVICES

### CHRIS AND ITS SUB-COMMITTEES

#### 20th MEETING of CHRIS

Niteroi, Brazil, 3-7 November

<b>Chairperson:</b>	Capt. V. NAIL (United Kingdom)
<b>Deputy Chairperson:</b>	Dr. M. JONAS (Germany)
<b>Secretary:</b>	Ing. en Chef M. HUET (IHB)
<b>Members:</b>	Argentina, Australia, Brazil, Canada, Chile, China, Cuba, Denmark (FRV & KMS), Ecuador, Estonia, Finland, France, Germany, Greece, India, Indonesia, Italy, Japan, Korea (Rep. of), Mexico, Netherlands, New Zealand, Norway, Portugal, Russian Federation, Singapore, South Africa, Spain, Sweden, United Kingdom, USA (NGA, NOAA, NOO, USCG and ACOE), IHB.
<b>Observers:</b>	CIRM, CLIA, DGIWG, GEBCO, HGMIO, IC-ENC, ICS, IEC/TC80, IMO, IOC, OEF, PRIMAR, RTCA, RTCM.



The Committee on Hydrographic Requirements for Information Systems (CHRIS) met in Niterói, Brazil from 3 to 7 November for its 20th and last meeting (CHRIS20). 21 Member States, including five from South America and three Non Governmental International Organizations were represented. The meeting was held in two parts, with a Regional Capacity Building Seminar on ENC Production being held on 5 and 6 November. The CHRIS meeting was preceded by the usual Chair Group coordination meeting comprising the chairs of the various CHRIS subordinate bodies.

The meetings were hosted by the Brazilian Directorate of Hydrography and Navigation at their premises in Niterói. CHRIS20 was chaired by Capt. Nail (UK). A reception for CHRIS delegates and participants of the Capacity Building Seminar was hosted by the national Hydrographer VAdm. Palmer on 5th November.

The 20th meeting was the last meeting of CHRIS. On 1 January 2009 the CHRIS will be retitled Hydrographic Services and Standards Committee (HSSC) at which time it will incorporate all the IHO technical Working Groups and oversee all the technical aspects of the IHO Work Programme.

The Committee reviewed the CHRIS work program and the progress made by its various subordinate working groups (WGs).

The existing governance and administrative arrangements for the hydrographic geospatial information infrastructure (GII) that is now supporting the development, maintenance and extension of IHO digital data standards and specifications, especially S-100, was reviewed and agreed by the Committee.

The Marine Spatial Data Infrastructures WG (MSDIWG) presented their report on the level and nature of the IHO's role in assisting Member States in their support of national spatial data infrastructures. The Hydrography and Cartography in Inland Waters WG (HCIWWG) also presented their report on the level and nature of IHO involvement in the hydrography and cartography of inland waters. The Committee commented on both reports which will now be submitted to the 4th Extraordinary International Hydrographic Conference in June 2009 for consideration by all Member States.

The Committee invited France to lead a study into a standardized approach for defining the length of coastlines and to report back to the HSSC next year. Interested Member States and other Stakeholder groups should contact the study coordinator Ing. en chef DÉNIEL: *deniel@shom.fr*. A correspondence group, also led by France will study the standardisation of Temporary and Preliminary Notices to Mariners intended for use with ENC's and report back to the HSSC. The Committee also agreed to initiate a study on how a standardized dynamic water height function could be achieved in ECDIS using S-57-based ENC's.

The Committee agreed that the HCIWWG had completed its work. As a result, the HCIWWG was disbanded. The Committee also determined that it was not appropriate for the previously co-sponsored Harmonization Group on Marine Information Overlays (HGMIO) to become an IHO WG as a result of the withdrawal of the involvement of the International Electrotechnical Commission. Accordingly the HGMIO will continue as an independent coordination and harmonization group, advising and cooperating with the IHO as required.

#### **MARINE SPATIAL DATA INFRASTRUCTURE WORKING GROUP (MSDIWG)**

1st Meeting, IHB, Monaco, 4-5 February

2nd Meeting, IHB, Monaco, 10-11 September

**Chairman:** Mr. J. PEPPER (United Kingdom)

**Vice Chairman:** Mrs. M. KENNY (USA)

**Members :** Argentina, Australia, Brazil, Canada, Denmark, Estonia, Finland, France, Germany, Italy, Japan, Republic of Korea, Latvia, Nigeria, Netherlands, Norway, Slovenia, Spain, Singapore, Sweden, UK, USA, IHB.

The IHO/CHRIS Marine Spatial Data Infrastructure Working Group (MSDIWG) held its inaugural meeting at the IHB, Monaco, on 4-5 February. The MSDIWG was established by the CHRIS Committee following a decision by the 17th IH Conference in May 2007, to identify the Hydrographic Community inputs to National Spatial Data Infrastructures (NSDI). The meeting was attended by the Chairman of the MSDIWG, Mr. PEPPER (UKHO) and representatives of the HO's of Australia, Denmark, Estonia, Finland, France, The Netherlands, Norway, Slovenia and USA, and members of the IHB, plus an expert contributor from SeaZone (UK).

The meeting reviewed the current status of SDI development in each participant's country. It was noted that the EU initiative INSPIRE (Infrastructure for Spatial Information in the European Community) will apply to European HOs. The meeting also supported the new IHO Geospatial Standard for Hydrographic Data, S-100, which was considered to be the relevant standard for marine SDI development.

The meeting agreed to produce an IHO SDI Guide, aiming at assisting IHO Member States in their dealings with SDI. It was agreed that the guide should cover all SDI aspects, including Spatial Data Strategy/Policy, People/Networking, Data Management, Frameworks / Standards, and Dissemination. It was intended that a final draft of the guide be submitted to the 20th CHRIS meeting in November for review / approval. The meeting split up into small working groups to develop a questionnaire to assess the level of readiness of HOs to contribute to an SDI. A draft was prepared, which would be finalized by correspondence and sent to Member States.

The 2nd MSDIWG meeting took place at the IHB on 10-11 September, with 13 attendees, and was chaired by Mr. Pepper (UK). The main purpose was to analyse the results of the questionnaire sent to Member States with CL 41 and prepare the MSDIWG report to CHRIS-20. Discussions centred on the research findings and suggestions for an IHO role, and its supporting activities going forward were formulated. The following conclusions were drawn up:

- The exercise served its purpose to measure the current and future aspired status of MSDI within Member States providing headline information to enable MSDIWG to understand the issues involved.
- The analysis provided evidence that there is a need for assistance in developing Hydrographic Office roles in MSDI/NSDI which will enable the IHO to define its role and possible help it can give to Member States as they work towards a fully optimised MSDI.
- Clear pointers have been articulated of the areas where training and knowledge transfer are required. These are mainly in data management, MSDI framework development, data standards and dissemination. There is a need to develop and disseminate guidelines and procedures in these areas.
- Capacity and capability across the HO community will be improved through increased resources, funding and policy development.

The meeting also drafted inputs to an IHO Marine SDI Guidance Document ("Cook Book"), which is intended to assist IHO Member States to be better prepared to develop and / or join MSDI at their National or Regional level.

**TRANSFER STANDARD MAINTENANCE AND DEVELOPMENT (TSMAD)  
WORKING GROUP**

15<sup>th</sup> Meeting, IHB, Monaco, 14th to 18th January

16<sup>th</sup> Meeting, Cape Town, South Africa 5- 9 May

17<sup>th</sup> Meeting, Seattle, USA 8-12 September

<b>Chairman:</b>	Mr. GREENSLADE (UK)
<b>Deputy Chairman:</b>	Mr. VACHON (Canada)
<b>Secretary:</b>	Mr. PHARAOH (IHB)
<b>Members:</b>	Australia, Belgium, Canada , Denmark, Finland, France, Germany, Italy, Japan, Korea, New Zealand, Norway, South Africa, Sweden, UK, USA, UNH, C-Map/dKart, SevenCs, ESRI, CARIS, IIC and IC-ENC.

IHB Director Capt. WARD, welcomed TSMAD members to the IHB and to the 15th meeting of the working group. He noted that the imminent release of the new Geospatial Standard for Hydrographic Information, (S-100) was generating significant interest, and he requested that TSMAD should endeavour to complete the standard as soon as possible. S-100 should be released for a trial period so that interested parties will have an opportunity to familiarize themselves with the standard, and are able to provide valuable feedback.

The meeting, which was chaired by Mr. GREENSLADE (UKHO), was attended by Member State representatives from Australia, Canada, Denmark, Finland, France, Norway, Sweden, UK and the USA. Representatives from the following stakeholder organizations also participated in the meeting; CARIS, ECC, ESRI, Jeppesen, T-Kartor, SevenCs, HGMIO and IEHG.

At the conclusion of the meeting, the content of most of the S-100 component documents had been completed however their structure and layout needed further harmonization.

The 16th meeting was attended by Member State representatives from Australia, Canada, Denmark, Finland, France, Germany, Norway, South Africa, UK and the USA. Representatives from the following stakeholder organizations also attended; CARIS, Furuno, Geomod, IIC, Jeppesen, Seven Cs and Transas.

Some of the important issues discussed during the meeting included a proposal by France which presented a method of improving ENC consistency at display level rather than at the data level.

A new S-100 WIKI development forum was demonstrated. The forum will be used for S-100 and S-10X development work. (For further information see <http://groups.google.com/group/s-100/web/s-100-draft-version-0-0>). A brief report on the results of TSMAD S-101 Stakeholders user requirements workshop, held during March, was provided. Several issues, highlighted during the workshop, were discussed. These included; the implementation of dynamic tides, S-101 Discovery Metadata, the need for a fixed (e.g. 5MB) cell size, and the use of navigational purpose.



The 17th TSMAD Working Group meeting took place in Seattle, USA from 8 to 12 September. Member State representatives from Australia, Canada, Denmark, Finland, France, Germany, Japan, South Africa, Sweden, UK and USA attended the meeting. Representatives from the following stakeholder organizations also participated: CARIS, C-Map/Jeppesen, IIC, IC-ENC, EEC, SevenCs, ESRI and T-Kartor.

Some of the important issues discussed and progressed during the meeting included the development of the S-101 ENC product specification, the development of a marine environmental protection data product specification, the re classification of the CATZOC criteria for ENCs, and the issuing of T & P notices for ENCs.

In addition to this, several sub groups were also tasked to review and respond to the numerous comments received concerning the draft edition of S-100.

### **IC-ENC/PRIMAR Joint TEWG Meeting (JTEWG)**

Stavanger, Norway 15 April

**Meeting Chairperson:** Ms. KOLBEINSON (PRIMAR)

**Meeting Secretary** Ms. SANDSTÅ (PRIMAR)

The meeting was attended by Member State representatives from; Australia, Belgium, Croatia, Denmark, Estonia, Finland, France, Germany, Iceland, Latvia, Netherlands, Norway, Poland, Portugal, Russia, Spain, Sweden, and the United Kingdom. Several representatives from PRIMAR and IC-ENC also attended the meeting.

ENC Consistency was one of the most important issues discussed during the meeting. A presentation outlining the findings of the Baltic Sea ENC Harmonization Working Group was provided by Denmark. The aim of this WG was to identify and analyze inconsistencies between ENC's in their region and to present a report that included conclusions and recommendations. UK also outlined their harmonization efforts which are based on the consistency recommendations from 2004 (CL47/2004). France provided a presentation on improving ENC consistency. This included a method of applying portrayal rules to achieve harmonization.

The issuing of Temporary and Preliminary (T&P) Notices to Mariners was also discussed, and it was noted that of the 18 data producers present at the meeting, only five were issuing both T and P notices.

### **5th MEETING OF THE CHART STANDARDIZATION AND PAPER CHART WORKING GROUP (CSPCWG)**

Sydney, Australia, 18-21 November

**Chairman:** Mr. JONES (United Kingdom)

**Vice-Chairman:** Mr. WOOTON (Australia)

**Secretary:** Mr. COLEMAN (United Kingdom)

**Members:** Australia, Brazil, Canada, Chile, Colombia, Croatia, Cuba, Denmark, Finland, France, Germany, Greece, India, Indonesia, Italy, Japan, Netherlands, New Zealand, Norway, Pakistan, Russia, South Africa, Spain, Sweden, Ukraine, U.K., USA.

The Chart Standardization and Paper Chart Working Group (CSPCWG), the WG of the IHO CHRIS Committee setting the chart standard, held its 5th meeting in Sydney, from 18-21 November, hosted by the Australian Hydrographic Service. The 15 cartographic experts in attendance representing the Hydrographic Offices of Australia, Canada, Denmark, Finland, France, Germany, Netherlands, New Zealand, Norway, Sweden, United Kingdom, USA, and the IHB, were welcomed by Mr. Michael PRINCE, AHS Director for Charting. The meeting was chaired by Mr. Peter JONES (UK). Below is a summary of the main points discussed.

The production of an INT1/S-52 symbol combined document, jointly by NGA and NOAA, has been significantly delayed, with no progress having been made since last year. Such a document is reportedly awaited by the chart users, i.e. the mariners, and it had been envisaged to adopt the US INT1/S-52 as an IHO publication. There may be a need to look at another option to produce this document.



It was agreed to develop new symbols or specifications for the following cases:

- Symbol for the entrance of a tunnel for pipelines / submarine cables.
- Specification for showing bridge supports, following the Cosco Busan collision with the Bay Bridge (San Francisco) in early 2008.
- Symbol for offshore renewable energy installations (OREI), i.e. ocean wave energy.
- Symbol pattern for unsurveyed and inadequately surveyed areas.
- Specification for platform with superstructure removed.
- Symbol for shellfish beds.
- Abbreviation MRCC for *Maritime Rescue Co-ordination Centre*.

A draft of the new section B-600 of M-4 *Chart Maintenance* was reviewed. It will provide an explanation of the current methods of promulgating information and some guidance on assessing new information to decide which method of promulgation may be appropriate.

CSPCWG, as the body responsible for IHO Publication M-15 - *List of Booklets on Chart Symbols and Abbreviations published by various Maritime Countries*, has recommended that this publication be discontinued on the grounds that it is obsolete and no longer considered to be useful. CSPCWG also endorsed a new lay-out for the presentation of INT chart metadata in IHO Publication M-11 Part B - *Catalogue of INTernational Charts*. The ongoing review of S-49 - *Guidance for Mariners' Routeing Guides* by a sub-group led by Germany was noted.

The 6th CSPCWG meeting has been scheduled to be held in the second half of November 2009 at the IHB, Monaco.

### **18th MEETING OF THE COLOURS AND SYMBOLS MAINTENANCE WORKING GROUP (C&SMWG)**

**(new name: DIPWG from November 2008)**

Cape Town, South Africa, 7-9 May

<b>Chairman:</b>	Dr. JONAS, Germany (BSH)
<b>Deputy Chairman:</b>	Mrs. POWELL (NOAA)
<b>Members:</b>	Australia, Brazil, Finland, Germany, Norway, United Kingdom, USA (NGA, NOAA and USCG), IHB.
<b>Other Participants:</b>	DCIEM/DND (Canada), DnV (Norway), IC-ENC (UK), Furuno (Finland), Geomod (France), HydroService (Norway), IEC/TC80, Jeppesen (Canada, Germany and Italy), CARIS (Canada), Kelvin Hughes (UK), OSL (Canada), Raytheon Marine (USA), SAM Electronics (Germany), SevenCs (Germany), Transas (Russia), UNH (USA), Wismar University (Germany).

The South African Navy Hydrographic Office hosted the 18th Meeting of the Colours and Symbols Maintenance Working Group (CSMWG) in Cape Town, South Africa, from 7 to 9 May. Dr. JONAS (BSH, Germany) chaired the meeting, with 28 persons in attendance, 11 of whom represented the private sector. C&SMWG-18 was held in conjunction with a TSMAD meeting, as these WGs have a number of subjects in common in connection with the development of the new IHO geospatial data standard S-100 and the future ENC product specification S-101. A combined C&SMWG-TSMAD meeting took place on 7 and 9 May.

Following the publication of a new edition of the IHO Presentation Library (PresLib) in January, the future of this standard was addressed in the light of the S-100/S-101 developments. A draft IHO portrayal model, in line with the relevant ISO TC211 standard (known as ISO 19117), was presented, which should pave the way for the development of a hydrographic portrayal register, as part of the future IHO hydrographic registry. The IHO portrayal model will be improved to cover the PresLib

Conditional Symbology Procedures (CSP). Taking account of the fact that very few ECDIS users have accepted the so-called ECDIS simplified symbols, it was agreed that those symbols will be dropped in the next edition of the PresLib. Only the traditional cartographic symbols, with which the mariner is familiar, will remain in use; however they will need significant improvement in terms of graphical quality and colours.

The meeting reviewed a list of 15 objects which are not symbolized in the current PresLib and decided on how they should be displayed on a case by case basis. With a view to satisfying repeated requests from ECDIS users for an IHO document showing the ECDIS/ENC symbology, it was agreed that the next edition of INT 1 (in English, by BSH) will include an additional column showing the ECDIS symbols, as provided by US-NGA who are preparing a new edition of their “Chart 1” including all ECDIS symbols.

**9th STANDARDISATION OF NAUTICAL PUBLICATIONS  
WORKING GROUP (SNPWG)  
Brest, France 25-26 April**

**Chairman:** Mr. ACLAND (UK)  
**Deputy Chairman:** Mr. NYBERG (USA)  
**Secretary:** Mr. OFFENBACK (NGA)  
**Members:** Argentina, Brazil, Denmark, Estonia, Finland, France, Germany, Japan, Republic of Korea, Netherlands, Spain, Sweden, UK, USA, Venezuela.



The meeting was attended by IHO representatives from Argentina, Brazil, Denmark, Estonia, France, Germany, Japan, Korea, Netherlands, Spain, Sweden, UK, USA, and Venezuela. Technical experts from the following organizations were also present; CARIS, Jeppesen Marine and NOVACO.

Much of the SNPWG development work is being carried out by three sub-

working groups (Americas, Western European and Northern European Sub WG's) between meetings. Brief reports on the progress of these groups were provided during the meeting.

A number of attributes and feature classes were approved for inclusion in the NPUB register.

A sailing directions pilot study was co-presented by Germany (BSH) and Jeppesen Marine. This demonstrated how content from a single BSH sailing directions chapter could be mapped to the object model being developed by the SNPWG. The work included an XML schema (developed by Jeppesen Marine) and the production of sample outputs. The content of the sailing directions had been re-structured to support the SNPWG model.

**5th MEETING OF THE IHO-IEC HARMONIZING GROUP ON  
MARINE INFORMATION OBJECTS (HGMIO)**

Bath, UK, 25-26 September

Since its beginning in 2001, HGMIO has reported regularly to IHO CHRIS and to IEC TC80. However, the HGMIO work program has been monitored primarily by CHRIS rather than IEC TC80. Direct IHO Member State involvement in HGMIO has been minimal, with the majority of participation by representatives of maritime safety administrations, NGIOs, and commercial providers developing specific MIOs in support of sea ice coverage, status of Aids-to-Navigation (AtoN), and Marine Protected Areas (MPAs). In July, IHB contacted the Chairman of IEC TC80 concerning the future governance arrangements for HGMIO. The Chairman of IEC TC80 informed the IHB that that IEC no longer had a need to retain a formal relationship with HGMIO. This, in effect, meant that HGMIO had become a de-facto CHRIS WG.

At the 5th meeting of HGMIO 5 on 25-26 September, in Bath, UK, the future of HGMIO was discussed. It was agreed that it would now be more appropriate for the Group to become an independent technical group. As such, HGMIO could be retired as a CHRIS Working Group. However, it would continue to exist as an independent Harmonization Group on Marine Information Overlays (HGMIO), and would continue to deal with both static and dynamic MIOs.

The conclusion of HGMIO5 was subsequently confirmed by the CHRIS at its 20th meeting in October. This means that the HGMIO is no longer an integral part of the IHO work program.

**WEND**

**11th WEND MEETING**

Tokyo, Japan, 1-5 September

<b>Chairman:</b>	Capt. KAMPFER (South Africa)
<b>Vice-Chairman:</b>	Capt. BARNUM (USA)
<b>Secretary:</b>	Ing. en chef HUET (IHB)
<b>Members:</b>	Algeria, Argentina, Australia, Brazil, Canada, Chile, China, Cuba, Finland, France, Germany, Greece, India, Indonesia, Italy, Japan, Korea (Rep. of), Malaysia, Mexico, Netherlands, New Zealand, Norway, Oman, Peru, Portugal, Russian Federation, Singapore, South Africa, Spain, Sweden, Thailand, Turkey, Ukraine, United Kingdom, USA (NGA & NOAA), Venezuela, IHB.
<b>Observers:</b>	PRIMAR-Stavanger, IC-ENC, OEF, IOC, CIRM and ICCL.

The 11th meeting of the Committee on WEND met in Tokyo from 2 to 5 September 2008 under the Chairmanship of Capt. KAMPFER (South Africa). The meeting was attended by representatives from 29 Member States, both RENCs, several accredited Non-Governmental International Organizations (NGIOs), and the President and a Director from the IHB. An ECDIS Stakeholders' Forum was held midway through the meeting.

The principal topic for discussion was a review of the WEND Principles – and in particular the need for guidance notes concerning the harmonization and quality of data in ENCs. As a result, the Committee prepared and agreed a WEND Committee paper - *Guidelines for the Implementation of the WEND Principles*. This paper is posted on the IHO website at:

[www.iho.int](http://www.iho.int)→Committees & WGs→*Guidelines for the Implementation of the WEND Principles*

The WEND Committee also considered a *Data Chain Certification Concept* presented by RTCA and invited the RTCA delegate to convene an informal correspondence group to further study its potential application to the chart and nautical publications data distribution chain. The Committee considered mechanisms to better coordinate the scheming and production of small and medium scale ENC's on a regional basis. The meeting concluded with discussion on the transition arrangements for WEND activities to be taken over by the Inter-Regional Coordination Committee (IRCC) from January 1 2009. The Committee recommended that the IRCC consider establishing a Task Group similar to the WEND TG to undertake specific tasks related to the ongoing development and implementation of the WEND concept.

#### **4th ECDIS STAKEHOLDERS' FORUM**

Tokyo, Japan, 3-4 September

ECDIS Stakeholders' Forum (ESF) is a meeting for Industry and HOs to discuss topics of relevance in the interest of safety of navigation. Mr. Horst HECHT (BSH, Germany) served as Chair for the 4th ESF. Attendance at this Stakeholders' Forum was the largest ever (approximately 150 persons).

Presentations were given on subjects related to ENC production, coverage and distribution, including by service providers and data distributors. Each presentation was followed by the opportunity for questions, comment and discussions. For many presentations there were no significant questions or comments made; nevertheless, participants appeared to be grateful for the information that was provided. The greatest amount of discussion and feedback centred on ENC distribution and the difficulties currently being encountered by ENC retailers and by mariners at sea. A number of examples were given. Some end-service providers expressed doubts that the ENC distribution chain will be able to face the "tsunami" of demands when ECDIS carriage requirement is enforced. The principal messages from Stakeholders to the IHO can be summarized as follows:

The IHO Member States must co-operate more closely to harmonize the supply of ENC services, and to facilitate the use and uptake of ENC's, and in particular:

- Greater harmony is required in ENC pricing.
- Greater flexibility is required in how ENC's can be purchased, including "pay per view", "pay as you go" and other innovative data service models. "Price per ENC" is not necessarily the best or only pricing model for the 21<sup>st</sup> century.
- ENC licensing must be better harmonized – license management is presently a difficult management task both for ENC retailers and for navigating officers.
- ENC retailers prefer a "one-stop shop" to obtain ENC coverage. Currently this is not possible because not all ENC's are available through RENC's.
- All ENC producers must follow a standard method of providing Temporary and Preliminary Notices to Mariners for ENC's electronically. It is confusing, time consuming and unacceptable for some HO's to provide T&P notices via local NtoMs (in some cases, not even in English).

#### **WEND TASK GROUP ON ENC COVERAGE**

IHB, Monaco, 28-29 January

The IHO WEND Task Group (TG) on ENC coverage held a meeting at the IHB in Monaco on 28 and 29 January. The meeting was attended by the Chairman of the TG, Mr. HECHT (Germany), Mr. CARPENTER (UK), Ing. en Chef GUILLAM (France). The Directing Committee and the technical Professional Assistants of the IHB, together with Mr. SMITH (UK), Ms. KENNY (USA) and Mr. TIMONEN (Finland) also participated in the meeting.

The meeting reviewed progress on the Task Group's analysis of global ENC coverage and discussed how this and related information on ENCs should best be incorporated in the IHO's submission to the IMO Sub-Committee on the Safety of Navigation (NAV54), when it considers mandatory carriage requirements for ECDIS. The group also discussed the main elements of the IHO ENC Catalogue and its relation to other catalogues, as well as the responsibilities of IHO and IMO for updating the joint PRIMAR/IC-ENC information paper "Facts about electronic charts and carriage requirements".

**WEND TASK GROUP ON  
ENC HARMONIZATION, COVERAGE AND DISTRIBUTION**

Lisbon, Portugal, 23-24 June

The IHO WEND Task Group (TG) on ENC coverage held a meeting in Portugal at the Headquarters of the European Maritime Safety Agency (EMSA). The meeting coincided with World Hydrography Day celebrations hosted by EMSA and organised by the North Sea Hydrographic Commission, as the IHO representatives to EMSA. The WEND TG meeting was attended by the Chairman of the TG, Mr. HECHT (Germany), Ing. en Chef GUILLAM (France), Mr. SMITH (UK) and Capt. WARD (IHB Director).

In the context of worldwide availability of ENCs, the TG reviewed the effectiveness of the Worldwide ENC Database (WEND) concept and in particular whether the WEND Principles provided clear guidance on the roles, responsibilities, obligations and options for States in the production, maintenance and distribution of ENCs.

The meeting developed various proposed improvements and clarifications to the WEND Principles which were submitted to the WEND meeting in Tokyo 1-5 September for consideration.

**GEBCO PROJECT**

**24th GEBCO SUB COMMITTEE ON DIGITAL BATHYMETRY (SCDB) MEETING**

Tokyo, Japan, 26 to 27 May

<b>Chairperson:</b>	Dr. SMITH
<b>Secretary:</b>	Dr. WHITMARSH
<b>Members:</b>	Dr. CARRON, Mr. CHERKIS, Dr. GOODWILLIE, Mr. HADJANTONIOU, Dr. HALL, Dr. LOUGHRIDGE, Mr. MACNAB, Capt. POPOV, Mr. RANKIN, Dr. SCHENKE, Dr. SHARMAN, Mr. TANI

Subject to the approval of the new terms of reference for GEBCO, (by the IHO and the IOC), the SCDB will be renamed as the "Technical Sub-Committee on Ocean Mapping (TSCOM)".

Several reports on progress made since the previous SCDB meeting were presented. These included a report by the Digital Atlas Manager, the Director of the IHO Data Centre for Digital Bathymetry (DCDB), the GEBCO bathymetric editor and the IHB.

Other issues discussed during the meeting included: the collection of shallow water bathymetry, data policy issues and adopting and expanding the prototype of the next bathymetric grid.

During a Science Day which took place on the 28th May, presentations on the following topics were provided: The History of Bathymetric Surveying around Japan, Interferometric surveying using AUV, Multi-beam echo sounding on AUV, the GEBCO visual Library - Proof of concept, Results of the SCUFN WG on the revision of B-6 and Crustal movements deduced by seafloor geodetic observations.



*GEBCO Guiding Committee and SCDB Meetings*

**25th GEBCO GUIDING COMMITTEE MEETING**  
Tokyo, Japan, 29–30 May

<b>Chairperson:</b>	Mr. MONAHAN (Canada) (IHO)
<b>Secretary:</b>	Prof. WHITMARSH (UK) (IOC)
<b>Members:</b>	Ingénieur général CAILLIAU (France) (IHO)
	Dr. FALCONER (New Zealand) (IOC)
	Lic. FRIAS (Mexico) (IOC)
	Dr. JAKOBSEN (Sweden) (IOC)
	Dr. FOX (USA) (IHO)
	Dr. SCHENKE (Germany) (IOC)
	Dr. TURKO (Russia) (IOC)
	Dr. YASHIMA (Japan) (IHO)
	Cdr. LUSIANI (Italy) (IHO)

The meeting was attended by representatives from the IHO and IOC, and included the chairs of the sub committees and the director of the IHO Data Centre for Digital Bathymetry.

During his presentation on the activities of the Sub-Committee on Digital Bathymetry, Dr. Walter Smith reported on the work carried out on the new GEBCO grid which included shallow water bathymetry provided by hydrographic organizations.

A report on the activities of the Sub-Committee on Undersea Feature Names was provided by Dr. Schenke. Two significant tasks that are being undertaken include reformatting the Gazetteer of Undersea Feature names into a geospatially enabled database, and the production of a new edition of the IHO B-6 publication (Standardization of Undersea Feature Names).

Cdr. Lusiani reported on the activities of the Outreach Working Group and noted that the book “History of GEBCO” is being translated into Italian.

Other important issues that were discussed included: The Nippon Foundation/GEBCO Training Project, regional mapping projects, the printing of GEBCO maps, other mapping projects, Google and web mapping, updating of IHO M-3, inundation mapping and “How to start the clock with the anticipated new Rules of Procedure for GEBCO”.

**21st MEETING OF THE GEBCO SUB-COMMITTEE ON UNDERSEA  
FEATURE NAMES (SCUFN)**

Jeju Island, Republic of Korea, 19-22 May

*followed by the*

**3rd SYMPOSIUM ON APPLICATION OF MARINE GEOPHYSICAL DATA  
AND UNDERSEA FEATURE NAMES**

23-24 May

<b>Chairman:</b>	Dr. SCHENKE (Germany)
Members:	Mrs. TAYLOR (USA) (IHO)
	Dr. OHARA (Japan) (IHO)
	Lic. REYNOSO (Argentina) (IHO)
	Lic. FRIAS (Mexico) (IOC)
	Mr. CHERKIS (USA) (IOC)
	LCdr. AVTAR (India) (IHO)
	Dr. HAN (Rep. of Korea) (IOC)
	Dr. DOBROLYUBOVA (Russia) (IOC)
<b>Secretary:</b>	Ing en chef HUET (IHB)

The Republic of Korea's National Oceanographic Research Institute (NORI) hosted the 21st Meeting of the IHO-IOC GEBCO Sub-Committee on Undersea Feature Names (SCUFN) on Jeju Island, 19-22 May 2008. The meeting was chaired by Dr. SCHENKE (Germany) and attended by 23 participants from Argentina, Brazil, Germany, Hungary, India, Japan, Republic of Korea, Mexico, New Zealand, Russia, USA and IHB. The participants included 9 out of the 11 current SCUFN members, plus the secretary (IHB). A welcome speech was given by Mr. WOO, Director of NORI and Chairman of the Korean Committee on Marine Geographical Names. The meeting welcomed Ms. DOBROLYUBOVA (Geological Institute of the Russian Academy of Sciences) as a new member appointed by IOC.

In total, the meeting considered 48 names, 29 of which were new name proposals received at the IHB, as the SCUFN Secretariat, from Argentina, Brazil, Japan, Republic of Korea and Russia. After careful examination of each proposal, including the supporting survey data / bathymetry and the reason for the choice of name, the meeting eventually accepted 33 new names for inclusion in the GEBCO Gazetteer of Undersea Feature Names, which is maintained at the IHB. Additionally, 9 names/features will be placed in a "reserved" section of the Gazetteer, pending further clarification / supporting documentation or the submission of an alternative name. As a result, a new GEBCO Gazetteer will be generated as an Excel file, for use in GEBCO and IBC products, and by Member States when new editions of INT charts / ENCs are prepared.

The meeting reviewed and agreed the English part of a new 4th edition of IHO-IOC publication B-6 *Standardization of Undersea Feature Names*. The new edition takes account of the revised Terms of Reference and new Rules of Procedures for SCUFN, which have recently been approved by Member States. The meeting also acknowledged the submission of the following draft language versions of B-6, 4th edition: E/French, E/Spanish, E/Russian, E/Japanese and E/Korean. The non-English part of each language version will be updated to reflect the changes agreed at the meeting. It is intended to have the five language versions of B-6, 4th edition published by the IHB at the same time.

Other topics addressed by the meeting included:

- A review of the IHO-IOC Undersea Feature Name Proposal form, in view of its improvement and modernization, and its harmonization with the form used by ACUF (Advisory Committee on Undersea Features, of the US Board of Geographic Names). As a result, a new form has been agreed.
- Consideration of reports on the GEBCO Gazetteer by the British Oceanographic Data Centre (BODC) and the German Alfred Wegener Institute (AWI), and of proposals for improving the Gazetteer. This will result, in particular, in corrections to the Gazetteer and

additional positions to a number of features in the Gazetteer, in order to better define their shape and areal extension.

- o Consideration of a report on the examination of 73 “unnamed” seamounts in the central Pacific Ocean, which were identified from the GEBCO Digital Atlas. The study was conducted by a SCUFN member, Walter Reynoso-Peralta (Argentina), based on the best available bathymetry. This has revealed that 5 seamounts have already been named and that 9 seamounts do not exist.

The 2009 meeting of SCUFN has been planned to be held in Brest, France, following an invitation from the French Hydrographic Office (SHOM).

The 3rd Symposium on Application of Marine Geophysical Data and Undersea Feature Names, organized by the Korean Cartographic Association and sponsored by NORI, took place in the same location on 23 May 2008. Various papers, most of them relating to undersea feature naming, were presented on this occasion. This included a review of SCUFN and ACUF procedural similarities and differences, and a method of determination of sea limits in the Southern Ocean, based on the existing bathymetry.

### **NIPPON FOUNDATION - GEBCO TRAINING PROJECT YEAR 5**

In January, the Nippon Foundation confirmed the funding of the above mentioned program and the IHO Member States were invited to consider applying for this programme. Information about the course can be found at [www.gebco.net](http://www.gebco.net).

## **COMMISSION ON THE PROMULGATION OF RADIO NAVIGATIONAL WARNINGS**

### **10th MEETING OF THE CPRNW** Rio de Janeiro, Brazil, 25-29 August

<b>Chairman:</b>	Mr. DOHERTY (USA)
<b>Secretary:</b>	Lt. Cdr. SHIPMAN (IHB)
<b>Members:</b>	Argentina, Australia, Brazil, Chile, Croatia, Ecuador, Egypt, France, Germany, Greece, India, Iran, Italy, Japan, Monaco, New Zealand, Pakistan, Peru, South Africa, Russia, Spain, Sweden, Turkey, UK, WMO, WMO-ETMSS, IMO, IMSO.

The 10th meeting of the CPRNW was held at the Directorate of Navigation and Hydrography in Rio de Janeiro, Brazil from 25–29 August and was attended by 33 representatives from 15 Member States including 13 NAVAREA Co-ordinators and 1 Sub-area Co-ordinator. Observers from the IHB, WMO and Inmarsat also attended.

The meeting finalized the revised text of the Joint IMO/IHO/WMO MSI Manual / S-53 which was subsequently sent to Member States and the WMO for comment prior to submission to IMO COMSAR for adoption. The meeting received Self Assessments from all but two of the 21 NAVAREAs as well as reports from the IMO SafetyNET Panel, the NAVTEX Co-ordinating Panel and the WMO. The meeting provided input to the Joint IMO/IHO/WMO Correspondence Group on Arctic MSI Services. The full report of the meeting is available from the CPRNW section of the IHO web site.



## INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

### 27th ISO/TC 211 PLENARY MEETING

Tsukuba, Japan, 4-5 December

The International Organization for Standardization's Technical Committee 211 (ISO/TC 211) is responsible for the development of the 1900 series of geographic information standards. At its plenary meeting that took place during December the following publications were approved for advancement to the Draft International Standard stage:

- ISO/CD 19118, Geographic information – Encoding
- ISO/CD 19142, Geographic information – Web feature service
- ISO/CD 19143, Geographic information – Filter encoding

It was also decided that ISO 19101:2002, Geographic information –Reference model need to be revised.

#### **Review of Published Standards/Technical Specifications**

It was agreed that a systematic review of the following documents should be undertaken;

- ISO 19110:2005 Geographic information – Methodology for feature cataloguing
- ISO 19119:2005 Geographic information – Services
- ISO 19107:2003 Geographic information – Spatial schema
- ISO 19109:2005 Geographic information – Rules for application schema
- ISO/TS 19127:2005 Geographic information – Geodetic codes and parameters
- ISO 19115:2003 Geographic information – Metadata

#### **Implementation of Registries**

The plenary recognized that the work on implementing proposed registries and their services (see ISO 19135, ISO/TS 19127, ISO/RS 19145 – N 2357) should be expedited, and decided to establish an ad hoc group on registry services to advise the committee on what is needed to achieve this, and how to proceed. It was noted that in particular the issue of Geodetic Codes and Parameters needs to be considered. The ad hoc group will provide a preliminary report for consideration at the 28th plenary meeting.

#### **Ad hoc Working Group on Spatial Data Infrastructures**

ISO/TC 211 recognized the importance of standards for spatial data infrastructures (SDI) and has tasked an ad hoc group to prepare an SDI workshop at the 28th plenary meeting.

The 28th plenary and working group meetings are scheduled to take place from 25 to 29 May 2009 in Molde, Norway. Further information is available from the ISO/TC211 web site (<http://www.isotc211.org/>).

## ADVISORY BOARD ON LAW OF THE SEA

**ABLOS 5th CONFERENCE**  
IHB, Monaco, 15-17 October

**Chairman:** Chris RIZOS (Australia)  
**Vice chairman:** Chris CARLETON (UK)  
**Members:** Dr. GRZETIC (Croatia), Mr. TANI and Prof. KUSUNOKI (Japan), Cdr. BASHIR (Pakistan), Prof. SJÖBERG (Sweden), Prof. BISNATH (Canada), Mr. BLICK (New Zealand), Capt. NAUTIYAL (India), Mr. BROWN (UK).



The 5th ABLOS Conference entitled “*Difficulties in Implementing the Provisions of UNCLOS*” was held at the IHB in Monaco on 15 - 17 October. It was very successful attracting a capacity audience of 90 delegates from 30 countries with 23 papers being presented during 9 sessions. The Government of Monaco kindly hosted a reception for all the delegates and accompanying persons in the Atrium of the Casino. Papers submitted and presentations given during the Conference are available for download from the IHO web site [www.iho.int](http://www.iho.int) > Committees > ABLOS > 5th Conference.

**ABLOS 15th BUSINESS MEETING**  
IHB, Monaco, 14-15 October

The Conference was preceded by the 15th ABLOS Business Meeting which was held on 14 - 15 October. The meeting was well attended with only 1 member of ABLOS not being able to attend. The ex-officio members from UN-DOALOS and the IHB and five Observers also attended the meeting. The meeting elected Professor Chris Rizos, IAG – Australia, as the new Chairman and Chris Carleton, IHO – UK, as Vice Chairman. They assumed their positions following the closure of the 5<sup>th</sup> Conference. The report of the 15th Business Meeting is available from the ABLOS section of the IHO web site.

---

## **WORK PROGRAMME 4 INFORMATION MANAGEMENT AND PUBLIC RELATIONS**

### **1. INFORMATION MANAGEMENT**

#### **IHO PUBLICATIONS**

All IHO publications are available on the IHO Web Site ([www.iho.int](http://www.iho.int)) and can be downloaded by IHO Member States.

Non-Member States, organizations, institutions and individuals can also acquire most publications directly from the website. Certain other documents otherwise only available to Member States may be requested by application to the IHB.

#### Re-structuring of names and prices of the IHO publications

In November, by CL 98, a new structure of the publications into 5 categories, P, M, CB; B and S was proposed. It was also proposed that that most publications should be free of charge if downloaded via the Internet, as well as some other changes in the schedules of prices and distribution.

*Ref. CL 98*

#### Prince Albert 1<sup>st</sup> Medal for Hydrography

In November, a C.L. was issued seeking Member States' approval of a proposed new procedure for the selection and award of the Prince Albert 1<sup>st</sup> Medal for Hydrography.

#### **PUBLICATIONS PRODUCED IN 2008**

##### B6 - Standardization of Undersea Feature Names

The 4th Edition of the IHO-IOC publication B-6, English/French version, was issued in November and posted on the IHO website under Standards and Publications > Bathymetric Publications.

English/Spanish, English/Russian, English/Japanese and English/Korean versions of the 4th edition of B-6 are in the process of being updated and will be released as soon as they are available.

*Ref. CL 96*

##### M-1 - IHO General Regulations

An amendment to Article 8 of the IHO revised General Regulations concerning the Hydrographic Commission on Antarctica (HCA) was approved by the IHO Member States. The new text is given below:

*Full membership is reserved for Member States within the region. In the unique case of the Antarctic region, membership of the Hydrographic Commission on Antarctica (HCA) is reserved for Member States whose governments have acceded to the Antarctic Treaty and contribute resources and/or data to IHO INT Chart coverage of Region M.*

*Ref. CL 11, 53*

### M3 - IHO Resolutions

1. The proposed changes resulting from a review undertaken by the capacity building committee of Technical and Administrative resolutions K4.2, K4.3 and R6.2 were agreed by the IHO Member States and will be incorporated in the Repertory of Technical and Administrative Resolutions of the IHO, Publication M-3, in due course.  
*Ref CL 17*
2. In March, the changes to Technical Resolution K4.4 proposed by ABLOS were approved.  
*Ref. CL 5, 28*
3. At the proposal of the Tidal Committee, Technical Resolutions A2.5, A2.8, A2.9, A6.1 to A6.9, G1.1 to G3.3 and K1.7 were reviewed. A new TR A2.16 was subsequently agreed by Member States.  
*Ref. CL 19*
4. In July, a new Resolution – R4.2 concerning translation of IHO publications was approved and inserted in M-3.  
*Ref. CL 20, 57*

The GEBCO Guiding Committee completed its review of relevant TRs and proposed that: A4.3 be retained unchanged; A5.1, A5.2 and A5.3 be amended and that K2.1 be deleted. The IHB proposed an editorial correction to TR A4.3 to align paragraph 1a with the text already approved by Member States in Circular Letter 24/2008. The GGC also provided suggested amendments to TR A1.5 and these were forwarded to the CHRIS Chair Group which had previously been asked to review this resolution. The CHRIS Chair Group considered that the detailed text provided by the GGC was more appropriate to other publications than to a Technical Resolution.

*Ref CL 62, 85*

At the proposal of the Paper Chart Working Group, Resolution B2.35 was amended.

*Ref. CL 27*

### M-4 – IHO Chart Specifications

1. The German Hydrographic Office (BSH) published, on behalf of the IHO, the 6th edition (2008) of the official English language version of INT 1 “Symbols, Abbreviations and Terms used on Charts”.  
*C.L. 37*
2. Following recommendation by the Chart Standardization and Paper Chart Working Group (CSPCWG), a proposal was put forward to Member States to discontinue Publication M-15 *List of Booklets on Chart Symbols and Abbreviations published by various maritime countries*, and cancel Technical Resolution K1.1.  
*C.L. 105*

3. The CSPCWG continued the review of Part B of M-4. The WG completed Sections B-440 to B-449, which was accepted by Member States. In addition, new specifications B-510.4 “Language on charts” and B-431.6 ‘mooring ground tackle’ were adopted, as well as that magnetic anomalies be shown in magenta and that the list of international abbreviations be transferred from INT1 to M-4 in B-122. As a result, a revised version 3.005 (2008) of M-4 was posted on the IHO Web site in October. The WG also completed a revision of Sections B-450 to B-479, which was approved in December, as well as revised specifications for charting ‘mangroves’ in B-312.4 and use of the term ‘Recommended’ in B-434.

*Ref: CL 27, 71, 76*

#### M-11 – Guidance for the Preparation of International Chart Schemes and Catalogue of INT Charts

M-11 is permanently maintained by the IHB in liaison with the 14 regional coordinators of INT chart schemes. Revisions were posted on the IHO website in July and December. A new limit between INT Regions ‘B’ and ‘C1’ has been agreed by the relevant Regional Hydrographic Commissions, i.e. MACHC and SWAtHC. The status of INT chart series at the end of 2008 is shown in the table below. Of particular note, 31 new INT charts, or new editions, were published during the year in Region ‘E’.

Region	Coordinator	Commission/Committee	(1)	(2)	(3)
I :10 Million			25	24	21
A (NW Atl. & NE Pac. Oceans)	USA/NOS	US/CHC	NS	15	15
B (Meso-America & Caribb. Sea)	Mexico	MACHC	59	10	6
C1 (SW Atl. Ocean)	Brazil	SWAtHC	62	17	4
C2 ( SE Pac. Ocean)	Chile	SEPHC	44	7	2
D (North Sea)	United Kingdom	NSHC & NHC	207	203	173
E (Baltic Sea)	Finland	BSICC/BSHC	225	195	61
F (Med. & Black Seas)	France	MEDINTCHART/MBSHC	239	160	96
G (East Atl. Ocean)	France	CHATINTCHART/EAtHC	171	102	72
H (SE Atl. & SW Ind. Oceans)	South Africa	SAIHC	107	64	45
I (NW Ind. Ocean)	Iran	RSAHC	110	39	7
J (North Ind. Ocean)	India	NIOHC	134	83	7
K (E. Asia & NW Pac. Ocean)	Japan	EAHC	291	81	17
L (SE Ind. & SW Pac. Oceans)	Australia	SWPHC	61	49	33
M (Southern Ocean)	IHB	HCA	100	60	11
<b>TOTAL</b>			<b>1835</b>	<b>1109</b>	<b>570</b>

(1) Scheduled (NS = Not Stated)

(2) Published

(3) Reprinted by other MS

#### M-13 - IHO Manual on Hydrography - French version

A draft French version of M-13, initially prepared by the Tunisian Hydrographic Office (Service Hydrographique et Océanographique – SHO), then improved by the Canadian Hydrographic Service (CHS), is being finalized at the IHB.

#### M-15 - List of Booklets on Chart Symbols and Abbreviations published by various maritime countries

Member States were requested in December to indicate whether they agree that M-15 be discontinued and, consequently, that TR K1.1 be deleted from Publication M-3 *Resolutions of the IHO*

*Ref. CL 105*

#### M-16 – National Hydrographic Regulations

The new IHO publication M-16 “National Hydrographic Regulations” was completed with the inputs of the IHO Member States. M-16 collates copies of national regulations that may be used as a reference in establishing a National Hydrographic Office and/or a National Hydrographic Committee.

The original language of non-English texts has been maintained in order to avoid any misunderstandings following an “internal” translation.

*Ref: CL 9*

#### P-5 – IHO Yearbook

This publication is continuously updated and is available on the WEB site only.

#### P-7 – Annual Report

The IHO Annual Report 2007 was produced by the IHB and distributed in printed format.

*Ref: CL 44*

#### S-23 - Limits of Oceans and Seas

CL 86/2007 reported on the results of discussions that took place during the XVIIth International Hydrographic Conference (IHC) concerning developments that might lead to the publication of the fourth edition of IHO Special Publication 23 (S-23), “*Limits of Oceans and Seas*” and also on the absence of agreement between the Member States involved in the naming of the area between the Korean Peninsula and the Japan Archipelago. The IHB received no comments from Member States in response to this reference. Meanwhile the Directing Committee continued to receive regular requests for S-23 related information to which it is unable to respond satisfactorily. Following a suggestion of the BSHC, Member States were consulted about the publication of an IHO document, organized on a regional basis, which would list those names agreed and recommended by the relevant Regional Hydrographic Commission (RHC). The development and management of this document would in many ways be similar in nature to M-11 which depicts the charting schemas for International Charts which are agreed and coordinated primarily through the RHCs. Meanwhile, according to the BSHC suggestion, edition three of S-23 could continue to serve as the reference document for those regions where such an agreed and more up to date reference is not yet available.

The responses received did not show the necessary support for this proposal and therefore the IHB will explore other means to address this subject.

*Ref. CL 78*

#### S-44 – IHO Standards For Hydrographic Surveys

In February, a printed copy of the 5th edition of this publication was sent to Member States. The IHB thanks Ecuador for its very prompt preparation of a Spanish text of the draft 5th Edition. A French text will be prepared as soon as possible.

The WG, having completed its task, is now disbanded.

*Ref. CL 22*

#### S-47 – Training Courses in Hydrography and Nautical Cartography

In July, Member States were reminded to regularly provide information so as to keep this publication up to date. Following information received, the IHB updated the publication. The updated October 2008 version of S-47 is now available on the IHO website

*Ref. CL 56, 86*

#### S-52 Appendix 2 - Colours and Symbols Specifications for ECDIS

New editions 4.3 of S-52 Appendix 2, and 3.4 of its Annex A *Presentation Library for ECDIS*, both prepared by the Digital Information Portrayal Working Group (DIPWG – formerly, CSMWG) were published in January, taking account of the changes made to the IMO Performance Standards for ECDIS and those associated with the publication of S-57 edition 3.1.1.

*Ref: CL 29*

S-55 – Status of Hydrographic Surveying and Nautical Charting Worldwide

In order to keep this publication up to date, Member States were requested in December to provide updated information whenever there was a significant change and also to provide an annual update even if there was no change to the data. An S-55 updating questionnaire was provided and can also be downloaded from the IHO web site.

*Ref: CL 102*

S-63 - IHO Data Protection Scheme

A new edition 1.1, prepared by the Data Protection Scheme Working Group (DPSWG), was published in March.

*Ref: CL 36*

S-64 – IHO Test Data Sets for ECDIS

A new edition 1.1, prepared mainly by the US National Oceanographic and Atmospheric Administration (NOAA) and the UK Hydrographic Office, on behalf of the IHO, was published in December.

*Ref: CL 5 (2009)*

S-65 - ENC Production Guidance

A new edition 1.1, incorporating in its Annex A “*Recommendations for Consistent ENC Encoding*”, was published in April.

*Ref: CL 45*

S-66 - Facts about Electronic Charts and Carriage Requirements

Member States agreed to make this document, jointly developed by PRIMAR and IC-ENC, an IHO publication, to be allocated the sequential number S-66. The CHRIS Committee, at its 20th meeting, agreed that the IHO Hydrographic Services and Standards Committee (HSSC - the successor of CHRIS from 1 January 2009) should be the owner of S-66. At the request of CHRIS, the IHB has invited the PRIMAR / IC-ENC Joint Information WG (JIWG) to conduct a revision of this document prior to publishing it as S-66. As agreed by Member States, the IHB will go on to seek co-sponsorship of S-66 with IMO.

*Ref: CL 16, 64, 106*

**REPOSITORY OF CHARTS AND NAUTICAL DOCUMENTS**

During the year, approximately 450 new charts / editions were received (562 in 2007), and filed in the Bureau Chartroom. This included 220 INT charts (269 in 2007). Member States are reminded that, in accordance with Article 19 of the IHO General Regulations, a copy of any new International (INT) chart published, or new edition, should be forwarded to the IHB. Provision of copies of national charts is not required. A number of ENCs were also received, as well as 156 nautical publications (147 in 2006). Following an arrangement with the Bibliothèque Nationale de France in Paris, most of the national charts held at the IHB (approximately 15,000 charts) were moved in June to their premises in Paris. Only International charts plus the UKHO worldwide chart series are now being kept in the IHB paper chart collection.

**TRANSLATION SERVICES**

The IHB continued to provide translation services in French and Spanish.

Cooperation from the French and Spanish-speaking Member States was very helpful in the production of versions of several publications and the IHB thanks those States for their support.



## IHB LIBRARY

More than 500 new magazines, CD-ROMS and books on hydrography, oceanography, cartography and related matters (including the regular subscriptions) as well as various technical brochures were added to the IHB Library in 2008. The Bureau thanks all Member States that have sent copies (digital or paper) of their Annual Reports and/or technical publications during the year and encourages them to continue to do so.

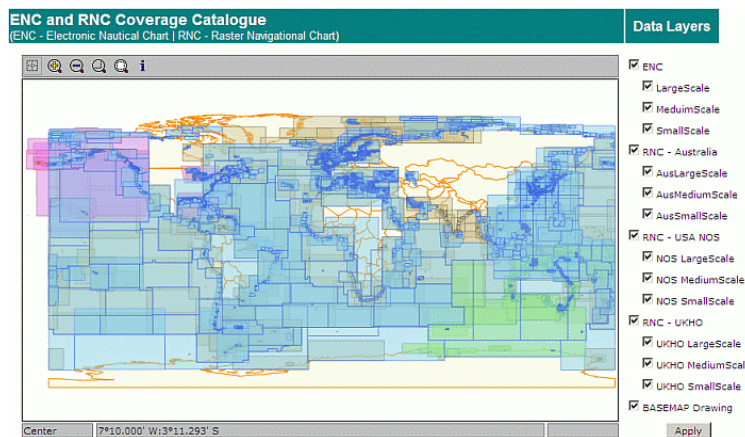
## MAINTENANCE OF IHB COMPUTER AND NETWORK SYSTEMS

Following upgrades and replacements of IHB servers during 2006 and 2007, no changes were made to the IHB servers during 2008. The existing wireless access points were upgraded in order to improve WIFI coverage throughout the IHB. An additional ADSL line was installed to increase Internet bandwidth to the IHB. The IHB continues to administer the S-63 security scheme and security server.

The IHB is grateful to the Japan Hydrographic and Oceanographic Department for the secondment of Mr. Shigeru NAKABAYASHI to assist with the work of the IHB and in particular with IT and GIS systems.

## DEVELOPMENT AND MAINTENANCE OF IHB GIS DATABASE INFRASTRUCTURE

The IHB continues to develop and expand its Geographical Information System databases to support internal and external requirements. In response to an IMO request to make ENC and RNC coverage information available, the IHB implemented an online web map service which is accessible from the IHO web site. The new coverage catalogue shows ENC data limits and provides access to limited metadata about individual cells. The IHB is grateful to PRIMAR and IC-ENC for their cooperation and assistance and for providing global coverage data.



## IHO WEB SITE



### *IHO ENC/RNC Coverage Catalogue*

The IHO web site continues to be an important focal point for various sources of IHO information. It also provides an online resource for meeting documents, publications and other sources of information.

A revised and reconfigured IHO web site was implemented during 2008. The site makes use of templates and a content management system which has resulted in greater uniformity between web pages. The IHB is grateful to the National Oceanographic Research Institute of Korea (Rep) for the secondment of Mr. Joon Ho JIN to the IHB. Mr. JIN has assisted with the development of the new web site and has taken over the task of IHO webmaster.

## 2. PUBLIC RELATIONS

### AWARDS

#### **MEDAL OF SERVICE TO CAPTAIN BERMEJO NATIONAL DAY OF MONACO – 19 NOVEMBER 2008**



One of the important events that takes place on the National Day of the Principality of Monaco is the medal ceremony by His Serene Highness Prince Albert II of Monaco.

This year, Captain Federico BERMEJO was awarded the medal for 20 years loyal service to the I.H. Bureau at a ceremony that took place at the Oceanographic Museum on 18 November.

**THE HYDROGRAPHER OF SINGAPORE AWARDED  
AN HONORARY DOCTORATE OF SCIENCE**

September 2008

The University of Plymouth in the UK awarded an Honorary Doctorate of Science to Parry OEI, the National Hydrographer of Singapore, in recognition of his outstanding contribution to international hydrography and safety of life at sea. Dr. OEI is pictured with Mrs. Barbara BOND, formerly Deputy Chief Executive at the UKHO and presently Chair of the Board of Governors and Pro-Chancellor at the University of Plymouth.



**WORLD HYDROGRAPHY DAY**

The IHB celebrated World Hydrography Day (WHD) on 20th June, providing material to media, giving interviews and by hosting a reception where members of the Monaco Government and other officials, diplomatic authorities, representatives from maritime industry, local television and reporters and others were present. The President, in welcoming the guests, provided a brief statement on the importance of WHD. He drew attention to the Organization's interest and contribution to Capacity Building, as a vital tool to assist the IHO in achieving its mission and objectives, which was the theme of WHD 2008 as approved by Member States.

Protection of the marine environment is one of the major objectives of the IHO and its Member States' Hydrographic Offices. Hydrographic information, data, products and services are used by many different organizations, maritime industry, academia and others to study the marine environment and increasingly to study the effects and consequences of climate change. The theme for WHD 2009 will be "HYDROGRAPHY – PROTECTING THE MARINE ENVIRONMENT".

**WORLD HYDROGRAPHY DAY – CELEBRATIONS IN LISBON**

Lisbon, Portugal, 24 June

The International Hydrographic Organization, represented by the North Sea Hydrographic Commission (NSHC) vice-chair, Ingénieur général de l'armement Gilles BESSERO (France), celebrated World Hydrography Day at the European Maritime Safety Agency on 24 June. The event provided an excellent opportunity to inform the authorities, EMSA staff, public and media about the activities of National Hydrographic Offices and underlined the importance of capacity building, as a vital tool to assist the IHO in achieving its mission and objectives. A demonstration was provided by EMSA and PRIMAR staff on an ENC Web Mapping Service (WMS) that supports safety of navigation. The day before, the staff of the Portuguese Hydrographic Institute (IHPT) provided a very comprehensive tour and gave a very informative presentation on the Portuguese Hydrographic Service, followed by a reception.



*VAdm.DE BRITO and VAdm Maratos  
at the World Hydrography Day in Portugal*

## WORK PROGRAMME 5 GENERAL ORGANIZATION DEVELOPMENT

### 1. IHO RE-STRUCTURING

#### IHO STRATEGIC PLAN WORKING GROUP (ISPWG)

<b>Chairman:</b>	I.G.A. BESSERO (France)
<b>Vice-Chairmen:</b>	Capt. CAVALHEIRO (Brazil), Capt. DE HAAN (Netherlands)
<b>Members:</b>	Australia, Canada, Cuba, Chile, China, China Hong-Kong, Finland, Germany, India, Italy, Japan, Mozambique, Pakistan, Portugal, Republic of Korea, Republic of South Africa, Singapore, UK, Uruguay, USA.

In May 2007, the XVIIth IHC decided the establishment of the ISPWG in accordance with its terms of reference. The Chair (France) and Vice-Chairs (Netherlands and Brazil) were designated by the Conference. Chairs of the Regional Hydrographic Commissions (RHCs) and individual Member States were invited to participate. The ISPWG worked mainly by correspondence. Exchanges were conducted mainly by e-mail. A specific on-line forum was opened in early November 2007, with Lt. Cdr. SHIPMAN of the IHB acting as the moderator. All the interim documents were posted on the ISPWG forum and on the ISPWG page of the IHO web site.

The discussion paper was initiated by the Chair Group, composed of the Chair, Vice-Chairs and the President of the IHB Directing Committee. The discussion paper was submitted to the ISPWG members for comments. A revised edition was then prepared by the Chair Group and circulated to ISPWG members for final approval. The ISPWG met in plenary face-to-face session once, in Tokyo, Japan in September, while the Chair Group had four meetings. The final report was prepared by the Chair Group and approved by the members of the ISPWG and provided to the Bureau in December, in order to be circulated to Member States for comments and be considered by the 4th EIHC.

#### IHO WORKING GROUP TO REVIEW IHB STAFF REGULATIONS (ISRWG)

<b>Chair:</b>	Ms. HERING (Germany),
<b>Vice Chair:</b>	Miss DAVIS (UK)
<b>Australia:</b>	Mr. HINCKSMAN
<b>Pakistan:</b>	Cdr. AHMAD PN,
<b>USA:</b>	Ms. WARD
<b>IHB:</b>	VAdm MARATOS

Decision No 18 of the XVIIth IHC established a Working Group (WG) to study and propose a new edition of the IHB Staff Regulations. The Conference also approved the Terms of Reference, the Chair and Vice-Chair and the composition of the WG. The WG worked during 2008 by correspondence progressing various items. During a face-to-face meeting of the WG that took place at the Bureau in August, the progress of the work was examined and a decision was taken on the way forward, so that the work will be completed by the end of 2009.

## AMENDMENTS TO THE CONVENTION

As reported in the previous Annual Reports, the modifications to the Convention on the IHO proposed by the Strategic Planning Working Group and approved in April 2005 by the 3rd Extraordinary International Hydrographic Conference were submitted by the Government of Monaco in July 2005 to all Contracting Parties for approval.

Up to the end of 2008, the Government of Monaco had reported the approval of the amendments to the IHO Convention by the following 20<sup>1</sup> Member State Governments: Australia, Cuba, Cyprus, Denmark, Estonia, Finland, France, Germany, Japan, Republic of Korea, Latvia, Mexico, Morocco, Netherlands, Norway, Pakistan, Spain, Sweden, Tunisia and UK.

With regard to those amendments to the Convention which are pending from the XIIIth and XVth I.H. Conferences, Article 20 of the Protocol states:

*“The amendments adopted during the XIIIth and XVth Conferences which have not entered into force according to Article XXI (3) of the Convention, shall not hereafter enter into force”.*

IN ACCORDANCE WITH Article XXI (3) of the IHO Convention, the amendments here above mentioned from Article 1 to Article 20 shall enter into force for all Contracting Parties three months after notifications of approval by two-thirds of the Member States have been received by the Depositary.

## 2. IHO MEMBERSHIP ADMINISTRATION

### IHO MEMBERSHIP ADMINISTRATION

The Department of External Relations in Monaco continues to support the IHB most effectively with applications from new States being forwarded rapidly to the Member State Governments for approval, the status of pending Members is regularly monitored and the IHB is kept up to date with regard to the approvals received for each application. The IHB Directing Committee expresses its sincere gratitude to Monaco for the valuable assistance provided in this domain.

#### **New IHO Member States**

No new Member States joined the Organization in 2008.

#### **States whose applications for admission to the IHO have been approved**

##### **Republic of Bulgaria**

As reported in previous Annual Reports, the application for membership of the Organization by the Government of the Republic of Bulgaria was approved by the required two-thirds of the Parties to the IHO Convention in April 1992. At that time the Government of Monaco, as the Depositary Government for the Convention, invited the Government of Bulgaria to deposit its Instrument of Accession to complete the IHO membership formalities. Regrettably, this last formality has not yet been completed. The Directing Committee had hoped that, with Bulgaria joining the European Union in 2007, the membership procedure for this country would be accelerated and looks forward to welcoming Bulgaria into the IHO in the near future.

*Ref: CLs1/2009, 52/90, 55/93*

---

<sup>1</sup> Note by the IHB : Total approvals in January 2009 = 21 (Democratic People's Republic of Korea)

## **Islamic Republic of Mauritania**

As in the case of Bulgaria and as reported in the past, the Government of Mauritania's application to join the IHO was approved by the required two-thirds of the Parties to the Convention in February 1991, and the Government of Monaco, the Depositary Government for the Convention, informed the Directing Committee accordingly at that time. At the same time, the Mauritanian Government was invited to deposit its Instrument of Accession; unfortunately, to date this last formality has not been completed.

*Ref: CLs1/2009, 44/89, 25/90, 55/93.*

## **States (in alphabetical order) whose applications for admission to the IHO are awaiting approval**

### **Republic of Cameroon**

Cameroon officially applied for membership of the IHO in June 2004 and reported a national tonnage figure of 100,000 tonnes at that time. Cameroon's application has now received 47 approvals out of a required 48 and the Directing Committee hopes that this country will shortly receive the missing vote and that Cameroon will become a full IHO Member State in 2009.

*Ref: CLs 1/2009, 36/2004*

### **Republic of Haiti**

Haiti applied for membership of the IHO in June 2008 and reported a national tonnage figure of 5892 tonnes. Haiti's application has so far received 33 approvals out of a required 52 and the Directing Committee hopes that the approval procedure will progress rapidly.

In the meantime positive contacts have been established between the IHB and the Ministry of Foreign Affairs of Haiti: Captain Hugo GORZIGLIA, IHB Director and Chairman of the IHO Capacity Building Committee made a very useful technical visit to Haiti in October. Furthermore, Captain GORZIGLIA will be attending the 14th Ordinary Meeting of the Ministerial Council of the Association of the Caribbean States (ACS) which will be held in Haiti from 28-30 January 2009.

*Ref: CLs 1/2009, 50/2008*

### **Republic of Montenegro**

Montenegro officially applied for membership of the IHO in August 2007 and reported a national tonnage figure of 18,492 tonnes. To date Montenegro's application has received 46 approvals out of a required 49.

*Ref: CLs 1/2009, 75/2007*

### **Republic of Sierra Leone**

Sierra Leone officially applied for membership of the IHO in January 2006 and reported a national tonnage figure of 110,000 tonnes. Sierra Leone's application has so far received 42 approvals out of a required 49. The Directing Committee hopes that this approval procedure will be completed in the near future.

*Ref: CLs 1/2009, 17/2006*

## **Member States whose rights and privileges have been suspended**

Of the 80 Parties to the Convention, two - the Democratic Republic of the Congo and the Dominican Republic - have all rights and benefits suspended in accordance with Article XV of the Convention and Articles 16 and 17 of the Financial Regulations. A two-thirds majority of Member States entitled to vote, therefore, is currently 52.

*Ref: Decision no. 2 of 3rd EIHC, CL01/2008*

### 3. IHO WORK PROGRAMME

In accordance with Article 8 of the IHO Financial Regulations, the IHB, through IHB CL 61/2008 dated 22 July requested the Finance Committee Members to review and provide comments on the proposed IHO 2009 Budget by 30 September.

The proposed IHO 2009 Work Programme and Budget were prepared in line with the 2008-2012 Work Programme and the Five-Year Budget approved by the XVIIth I.H. Conference.

Member States' approval of the Proposed IHO Budget for 2009 was received in November.

Comments and/or changes proposed by Member States, if any, will be considered by the IHB when preparing the final version of these documents.

#### **SECONDMENT OF PERSONNEL TO THE IHB FROM THE REPUBLIC OF KOREA AND JAPAN**

Support from Member States to achieve the 2008 Work Programme and also the internal work at the IHB, was given by means of two secondments as indicated below:

- 1) In accordance with IHO Administrative Resolution T4.2, the National Oceanographic Research Institute (NORI) of the Republic of Korea kindly made Mr. JIN Joon-Ho available to the IHB in February 2007 for a period of one year. Mr. JIN effectively replaced Mr. CHOI Shin-Ho who completed his period of secondment in December of the previous year. Mr. JIN has worked at the IHB primarily on activities related to the administration and maintenance of the IHO website and the SCUFN database.
- 2) In October, in accordance with IHO Administrative Resolution T4.2, Mr. NAKABAYASHI joined the IHB on secondment from the Hydrographic Department of the Japan Coastguard for an initial period on one year. Mr. NAKABAYASHI has been employed on making improvements to the IHB's IT systems, and in particular enhancing the management and use of the increasing number of databases at the IHB.

The Directing Committee would like to thank NORI and the Japan Coast Guard for the secondment of their officers, who have enhanced the capabilities and capacity of the Bureau.

#### **PREPARATION OF THE FOURTH EXTRAORDINARY INTERNATIONAL HYDROGRAPHIC CONFERENCE**

In accordance with the XVIIth I.H. Conference Decision No. 16, the 4th Extraordinary International Hydrographic Conference will be held in Monaco from Tuesday, 2 June to Thursday 4 June 2009. Collateral meetings on 1 June (which is a public holiday in Monaco and France) will precede the Conference. Other collateral meetings can take place on 5 and 6 June 2009, if required. The Conference will meet in plenary session and will examine the Report of the IHO Strategic Plan Working Group (ISPWG), the Report of the Working Group on Hydrography and Cartography of Inland Waters (HCIWWG), the Report of the Working Group on Marine Spatial Data Infrastructures (MSDIWG), as well as the Progress on the Ratification of the Protocol of Amendments to the Convention. Other relevant proposals will also be considered

*CCL 1 to 5*

#### **4. HOST GOVERNMENT AFFAIRS**

Relations with the Host Country continued to be very good. The Department of the External Relations of Monaco monitors the progress made with the request of States to become Members of the Organization, in accordance with the procedures of Article XX of the IHO Convention and the approval of the Protocol of Amendments to the IHO Convention, as was approved by the 3rd Extraordinary International Hydrographic Conference in 2005.

As reported elsewhere in this report, at the end of the year, twenty Governments of IHO Member States had notified their approval of the Protocol of Amendments.

The Directing Committee very much appreciates the interest and support of the Government of Monaco in the renovation and maintenance of the IHB premises. Renovation of the Conference Room was completed during the year.

The Directing Committee attended the celebrations of the National Day of Monaco on 19 November.

---





## APPENDICES :

- I. NEW HYDROGRAPHERS FROM MEMBER STATES
- II. NEW HYDROGRAPHIC VESSELS
- III. VISITS TO THE IHB
- IV. VISITS TO HYDROGRAPHIC OFFICES AND  
MEETINGS HELD AT THE IHB
- V. IHB DIRECTING COMMITTEE AND RESPONSIBILITIES
- VI. IHB STAFF LIST
- VII. IHB TECHNICAL MISSIONS



## APPENDIX I – NEW HYDROGRAPHIC AUTHORITIES

### NEW HYDROGRAPHER OF BRAZIL

From April



Vice-Admiral Luiz Fernando PALMER FONSECA was born in Rio de Janeiro, RJ, Brazil, on 30th October 1949. In 1968 he joined the Brazilian Naval Academy on Villegagnon Island, Rio de Janeiro. Upon graduation, in 1971, he was commissioned as an Ensign and was assigned to the Hydrographic Survey Ship CANOPUS. He specialized in Hydrography at the Directorate of Hydrography and Navigation in 1975. He attended numerous military courses, including the Command and Staff Course at the Brazilian Naval War College and the Strategy and Policy Course at the Brazilian War Higher College.

He served on various Brazilian survey ships, and was Commanding Officer of MESTRE JOÃO DOS SANTOS, ORION, and CANOPUS, as well as the Tall Ship CISNE BRANCO and Training Ship BRASIL. His duty ashore included Head of the Brazilian Lighthouse and Aids to Navigation Authority, the VIth Naval District, the Sea Studies Institute ALMIRANTE PAULO MOREIRA, and Instruction Center ALMIRANTE WANDENKOLK.

Amongst the numerous decorations he received are the following: Naval Order of Merit, Military Order of Merit, Gold Military Service, Armed Order Merit, Air Order Merit, Seaman Merit, Naval Minerva Medal (Chile), and the Bolivian Naval Merit (Bolivia).

### NEW HYDROGRAPHER OF THE REPUBLIC OF KOREA



Mr. Ye-Jong WOO, born on 20 August 1959 in Cheonan, Republic of Korea, was appointed Director General of the National Oceanographic Research Institute (NORI) of the Ministry of Land, Transport and Maritime Affairs on 21 March, after having served as Director of the Security Division of the National Defence University in 2007-2008.

He graduated from the Dankook University in 1981. His first post was at the Korean Maritime and Port Administration in 1985. He then worked in various divisions, such as the Fishery Resources Management at the Headquarters of the Fisheries Resources Bureau, Finance and Planning at the Planning and Management Bureau of MOMAF.

A brief summary of his career is given here below.

#### **Academic Background**

Feb. 1981 - Bachelor Degree in Community Development, Dankook University, Korea

#### **Professional Career**

March 2008 - Director General, National Oceanographic Research Institute (renamed as Ministry of Land, Transport and Maritime Affairs in 2008);

Jan. 2007- Feb. 2008	Director, Security Division, National Defence University;
Jan. 2005-Dec. 2006	Vice President, Northeastern Asia Logistics Planning Group, Headquarters for Policy and Public Relations Bureau, Korea Maritime Institute;
July 2003-Dec. 2004	Director, Finance and Planning Division, Headquarters for Planning and Management Bureau, Ministry of Maritime Affairs and Fisheries (MOMAF);
Jan.1997-Jun.2003	Director, Fishery Resources Management Division, Headquarters for Fisheries Resources Bureau, Ministry of Maritime Affairs and Fisheries (MOMAF)
Mar. 1985-Dec. 1996	Director, Port Logistics Division, East Sea Regional Maritime and Port Administration; (renamed as Ministry of Maritime Affairs and Fisheries in 1996)

### **NEW HYDROGRAPHER OF THE NORWEGIAN HYDROGRAPHIC SERVICE**

Captain Gerry LARSSON-FEDDE was born on 23 April 1966 in Bergen, Norway and, after working 2 years as an Able Seaman, studying at the Maritime Academy and at the Petty Officer school, he joined the Naval Academy in Bergen, Norway in 1988. He graduated in 1991 with the rank of sub-lieutenant.

From 1991 until 1997 he had various assignments in the Norwegian Navy, the last 2 years as commanding officer on fast patrol boats.

In 1997 he left the Norwegian Navy to work for the Norwegian Coastal Administration as a pilot apprentice, and for the next three years he worked as a pilot on the northern coast of Norway. During this period he also initiated a project on the use of portable laptops with electronic charts for the pilots. Today all pilots in Norway and Sweden are using laptops with electronic charts.

He then joined Royal Caribbean Cruises in 2000 where he worked as 1st officer, Chief Officer and Staff Captain before moving into a position as Sr. Superintendent for audits and training in RCI's cooperate office in Miami; after about a year in this position he moved on to become Director of Nautical Operations. In 2004 he returned to sea as Captain on MARINER OF THE SEAS and then VOYAGER OF THE SEAS, two of the world's largest cruise ships.

On 20th February 2008 he took up the position as Director General of the Norwegian Hydrographic Service.

---

## APPENDIX II - NEW HYDROGRAPHIC VESSELS

### NEW THAI HYDROGRAPHIC VESSEL

“H.T.M.S. PHARUEHATSABODI”

“HTMS PHARUEHATSABODI “ was commissioned on 14 February 2008. The ship was built in the UniThai dockyard at Laem Chabang, in Chon Buri province, by a consortium between UniThai Shipyard Engineering Co., Ltd. and Schelde Naval Shipbuilding from The Netherlands.

The naming of the ship has followed Thai tradition and been named after a celestial body – in this case Jupiter – which is also the name used for the day “Thursday”. Accordingly, the ship first put to sea on Thursday 14 February.

The peacetime role of HTMS PHARUEHATSABODI will be as a surveying ship operating in the specific economic area of Gulf of Thailand and Andaman Sea. She will also act as a training ship and undertake various other environmental missions, including mine-clearing operations.

#### Mission Profile

- Hydrographic mapping survey and oceanographic survey
- Survey for environment conservation of sea & shoreline
- Supporting the marine scientific research
- Supporting sea rescue tasks
- Supporting oil spill cleaning
- Supporting training of Mine warfare fleet
- Supporting the training course for students both inside and outside Royal Thai Navy.

#### Ship Description

##### Hull Construction:

The hull, deck and superstructure are constructed from mild steel Marine Grade A.

##### Principal Dimensions :

- |                       |                                       |
|-----------------------|---------------------------------------|
| - Length overall      | 66.3 m.                               |
| - Length on waterline | 61.3 m.                               |
| - Beam Moulded        | 13.2 m.                               |
| - Depth Moulded       | 6.5 m.                                |
| - Draught             | 3.25 m                                |
| - Displacement        | 1,344 Tons and 1,636 Tons full loaded |
| - Maximum Speed       | 12 knots                              |
| - Endurance           | 3,000 nautical miles at 10 knots.     |

##### Hydrographic Survey System :

- Exploration Computer System
- Multi Beam Echo Sounder (MBES)
- Single Beam Echo Sounder (SBES)
- Side Scan Sonar (SSS)
- Ultra Short Base Line (USBL)
- Motion and Reference Unit (MRU)
- Draught Indication System
- Tidal Measurement System
- Seawater Collection System
- Seawater Measurement System

- Expendable Bathythermograph (XBT) / Sound Velocity meter (XSV)
- Current Flow Measurement System
- Current Meter System
- Sediment Collection System
- 2 Survey Boats
- Oceanography Equipment

Capabilities:

The vessel will operate continuously without additional supply for at least 15 days. The ship will be able to survey up to sea state 5.

The vessel will operate at the maximum continuous speed of at least 12 knots, at trial draught and 100% MCR (Maximum Continuous Rating of the electric propulsion motors). In the case of operating at low speed, the vessel will be able to operate at speed between 0-6 knots without creating an interference signature with survey equipment.

Complement

- Ship Commander	1 person
- Chief officer and Chief engineer	2 persons
- Commissioned officer	16 persons
- Warrant officers	16 persons
- Petty officer	24 persons
- Privates	12 persons
Total	71 persons

---

**APPENDIX III - VISITS TO THE IHB****CHILEAN HYDROGRAPHER**

20th June

On 20th June, Captain Cristian SORO, Hydrographer of Chile, paid a visit to the IHB and was received by the Directing Committee with whom he had a working meeting. The main topics discussed were the challenges the IHO is facing and the work being done by the IHB in this regard. Captain SORO explained the main activities in progress and the development programme of the Hydrographic and Oceanographic Service of the Chilean Navy (SHOA).

On the occasion of the celebration of the World Hydrography Day (WHD), Captain SORO presented an interesting document to the Directing Committee on work undertaken at SHOA entitled "Performance Indicators for a more Effective, Efficient and Modern Management", that describes the experience gained by SHOA in developing these very helpful tools to optimize internal working processes. The Directing Committee thanked Captain SORO for such a useful document and congratulated SHOA on the work achieved and its willingness to share this experience with other Hydrographic Offices. The document will serve as a valuable information source for the IHO Strategic Planning Working Group, that is dealing with "performance indicators".

Captain SORO was invited to sign the Visitors Book and also to participate in the reception that the IHB held on the occasion of WHD. Afterwards, he met with Captain GORZIGLIA, IHB Director, to discuss various matters related to the SEPHC, Capacity Building Committee and the entry into force of the new IHO structure in January 2009.

**JAPAN COASTGUARD SHIP "KOJIMA"**

11th July

On Friday 11th July, the Commanding Officer of the Japan Coast Guard Ship "KOJIMA", Captain Manabu SAKIYAMA, paid a courtesy visit to the IHB, accompanied by the Navigation Officer and Mr. Juichi TAKAHARA and Mr. Koji TAKAHASHI, Minister and First Secretary of the Japanese Embassy in Paris, France, respectively. The delegation was received by Captain Hugo GORZIGLIA, IHB Director.

"KOJIMA" is a training vessel from the Japan Coast Guard and takes on board over 50 cadets in training. The cadets also visited the IHB and Captain GORZIGLIA made a presentation on the role and objectives of the IHO as well as the importance of hydrography to safety of navigation, protection of the marine environment and other important related activities. Several cadets asked questions regarding subjects such as the relation between IHO and IMO and the measures the IHO was taking to coordinate the ENC production and distribution worldwide. Commander Steve SHIPMAN (IHB) also contributed to the presentation.

A short tour of the IHB facilities was made and Captain SAKIYAMA was impressed by the coordination work carried out by the IHB. Finally, Captain SAKIYAMA and Captain GORZIGLIA exchanged crests of their respective units and the distinguished visitor was invited to sign the "Livre d'Or" (Visitors' Book).





**APPENDIX IV – VISITS TO HYDROGRAPHIC OFFICES AND MEETINGS  
HELD AT THE IHB**

**VISITS OF THE IHB DIRECTING COMMITTEE TO HYDROGRAPHIC OFFICES**

Capt. GORZIGLIA: Argentina, Bahrain, Brazil, Cuba, Uruguay

Capt. WARD: Brazil, Fiji, Japan, Portugal, United Kingdom

**MEETINGS IN THE BUREAU**

**JANUARY**

14 18 15th TSMAD Meeting

**FEBRUARY**

04 05 1st MSDIWG Meeting

**MARCH**

04 06 S-101 Users Request Workshop

**APRIL**

11 Finance Committee Officers' Meeting

**MAY**

27 29 6th CBC Meeting

**JUNE**

20 WHD Celebrations

**AUGUST**

04 05 Staff Regulations Working Group

**SEPTEMBER**

10-11 2nd MSDIWG Meeting

28 European Heritage Day

**OCTOBER**

14 15 15th ABLOS Business Meeting

16 17 5th ABLOS Conference

**NOVEMBER**

14 Finance Committee Officers' Meeting

---



<b>APPENDIX V - IHB DIRECTING COMMITTEE RESPONSIBILITIES</b>
--

**President: Vice Admiral (retd.) Alexandros MARATOS (Greece)**

- Relations with: the United Nations; International Cartographic Association; International Maritime Organization; World Meteorological Organization, European Union; International Association of Marine Aids to Navigation and Lighthouse Authority; International Commission for the Scientific Exploration of the Mediterranean and Non-Member States and GEO.
- CPRNW; ISPWG; ABLOS; LAC; Maritime Safety Information; Hydrographic Surveying Information Services
- Matters concerning IHO Membership and IHB Administration; Host Government Affairs and Public Relations.
- IHO Finances and Budget
- IHO Re-structuring – Staff Regulations

and the following Regional Hydrographic Commissions:

- North Indian Ocean Hydrographic Commission
- North Sea Hydrographic Commission
- Mediterranean and Black Seas Hydrographic Commission
- South Africa and Islands Hydrographic Commission

**Director 1: Captain (retd.) Hugo GORZIGLIA (Chile)**

- Relations with: the Intergovernmental Oceanographic Commission; all International Bodies concerned with Antarctic matters; the Pan American Institute of Geography and History; FIG and the Academic Sector (education and training).
- Capacity Building, Training and Education and Technical Co-operation activities.
- GEBCO and International Bathymetric Mapping Projects.
- Matters referring to Information Management (Publications).
- IHO Work Program
- IRRC matters

and the following Regional Hydrographic Commissions and Committee:

- Eastern Atlantic Hydrographic Commission
- South East Pacific Hydrographic Commission
- ROPME Sea Area Hydrographic Commission
- Caribbean and Gulf of Mexico Hydrographic Commission
- South West Atlantic Hydrographic Commission
- Hydrographic Commission on Antarctica

**Director 2: Captain (retd.) Robert Ward (Australia)**

- Relations with the International Organization for Standardization and International Electrotechnical Commission.
- Marine Cartographic matters including CHRIS and its Working Groups; WEND; Tidal Committee and other related international organizations and bodies, such as NAV within IMO and DGWIG.
- Spatial Data Infrastructure matters and related international organizations and bodies.
- Matters related to IHB Property and Information Technology.
- HSSC matters.

and the following Regional Hydrographic Commissions:

- Nordic Hydrographic Commission
  - Baltic Sea Hydrographic Commission
  - US/Canada Hydrographic Commission
  - East Asia Hydrographic Commission
  - South West Pacific Hydrographic Commission
-



<b>APPENDIX VI – IHB STAFF LIST</b>
-------------------------------------

**Professional Assistants**

Capt. F. <b>B</b> ERMEJO , Spain	Capacity Building, Training, and Publications Management
Ing. en chef M. <b>H</b> UET, France	Cartography
Mr. A. <b>P</b> HARAOH, South Africa	Data Management and Cartography
Lt. Cdr. S. <b>S</b> HIPMAN, UK	Hydrography
Mr. C. <b>V</b> ELARD, France	Administration and Logistics

**Translators**

Mrs. P. <b>B</b> OUZANQUET, France	French Translator/Librarian
Miss M.P. <b>M</b> URO, Spain	Spanish Translator/Web Editor
Mrs. I. <b>V</b> ANKRINKELEN, France	Head French Translator

**Technical, Administrative and Service Staff**

Mrs. R. <b>C</b> AUDOUX, Belgium	Publications and Document Preparation
Mrs. C. <b>F</b> ONTANILI , UK	Secretary of the Directing Committee
Mr. A. <b>M</b> AACHE, France	General Services
Mr. D. <b>M</b> ENINI, France	Graphic Arts and Cartography
Mrs. C. <b>M</b> EYNADIER, France	Accounting and Administration
Mrs. M. <b>M</b> OLLET, France	Communications
Mr. R. <b>S</b> EMLALI, France	Office Manager
Mrs. B. <b>W</b> ILLIAMS, UK	Head Secretariat



The IHB Personnel in 2008

Standing up, from left : Mr. Semlali, Mr. Pharaoh, Mr. Huet, Mr. Maache, Capt. Ward, VAdm. Maratos, Capt. Gorziglia, Capt. Bermejo, Mr. Jin, Mr. Menini, Mr. Velard, Mr. Nakayabashi and Lt. Cdr. Shipman  
Sitting down, from left: Mrs. Mollet, Mrs. Vankrinkelen, Mrs. Williams, Mrs. Caudoux, Mrs. Fontanili, Mrs. Meynadier, Mrs. Bouzanquet and Ms. Muro.

(Mr. Jin and Mr. Nakayabashi are temporary staff members on secondment from the Republic of Korea and Japan).

---

<b>APPENDIX VII - IHB TECHNICAL MISSIONS</b>
--

DATE	NAME	MEETING	DESTINATION
<b>JANUARY</b>			
15 17	MARATOS	IALA	Paris, FRA
15 17	WARD	IALA	Paris, FRA
25	MARATOS	NSHC & EU Commission	Brussels, BEL
22 28	WARD	2nd Coordination Meeting EAHC	Chiangmai, THA
<b>FEBRUARY</b>			
13 14	PHARAOH	INSPIRE	Milan, ITA
14 22	GORZIGLIA	SWAtHC Cartographic Programme	ARG, BRA and URU
18 2	HUET	Int Seminar ENC	Tokyo, JAP
<b>MARCH</b>			
3 07	GORZIGLIA	Technical Visit	Havana, CUB
3 07	BERMEJO	Technical Visit	Havana, CUB
11 12	WARD	Digital Ship	Oslo, NOR
12 14	MARATOS	IMarEST	London, UK
13 14	GORZIGLIA	Joint IMO-IHO CB Meeting	London, UK
13 14	BERMEJO	Joint IMO-IHO CB Meeting	London, UK
17 20	GORZIGLIA	SWAtHC 2	Rio, BRA
17 20	BERMEJO	SWAtHC 2	Rio, BRA
25 26	MARATOS	BASWG	Kiev, UKR
31 02	WARD	IMDIS 08	Athens, GRE
<b>APRIL</b>			
1 04	HUET	Coast Map IO	Maldives
7 09	MARATOS	COMSAR 12	London, UK
7 11	SHIPMAN	COMSAR 12	London, UK
7 11	BERMEJO	IAB 31	Sydney, AUS
12 15	WARD	MEH Tech PSC	Malaysia
14 17	PHARAOH	Joint Tech Exp Mtg	Stavanger, NOR
14 18	MARATOS	NIOHC 9	Goa, IND
14 18	SHIPMAN	WWNWS Document Review	London, UK
20 23	WARD	CIRM tech conf	Dublin, EIR
21 23	GORZIGLIA	PMAWCA	Abidjan, Ivory Coast
21 25	MARATOS	NSHC 28	Elsinore, DK
21 25	PHARAOH	SNPWG 9	Brest, FRA
<b>MAY</b>			
3 07	GORZIGLIA	Technical Visit	Bahrain
5 09	WARD	Canadian Hydrographic Conference	Victoria, CAN
6 07	MARATOS	NHS 52	Sweden
6 09	HUET	CSMWG 18	Cape Town, RSA
5 09	PHARAOH	TSMAD 16	Cape Town, RSA
6 16	SHIPMAN	MSC 84	London, UK
8 14	MARATOS	MSC 84	London, UK
10 15	GORZIGLIA	SEPHC 8	Cartagena, COL
10 15	BERMEJO	SEPHC 8	Cartagena, COL
19 21	HUET	SCUFN 21	Jeju KOR
26 30	PHARAOH	GEBCO GC 25 + SCDB 24	Tokyo, JAP



DATE	NAME	MEETING	DESTINATION
<b>JUNE</b>			
2 06	WARD	MEH, TSC	Malaysia
2 11	GORZIGLIA	ATCM 31	Kiev, UKR
9 13	SHIPMAN	TC 58	London, UK
16 19	MARATOS	100 <sup>th</sup> Council IMO + WHD UKHO	London, UK
16 19	SHIPMAN	FIG Working Week	Stockholm, SWE
21 25	WARD	WEND TG	Lisbon, POR
23 24	MARATOS	WHD	Lisbon, POR
23 01	GORZIGLIA	IOC Executive Council	Paris, FRA
30 03	MARATOS	NAV 54	London, UK
30 04	WARD	NAV 54	London, UK
30 04	SHIPMAN	NAV54	London, UK
<b>AUGUST</b>			
12 13	WARD	IALA,	Paris, FRA
18 21	WARD	BSHC 13	Rostock, GER
24 01	SHIPMAN	CPRNW 10	Rio, BRA
29	WARD	IUCN HQ	Geneva, CH
<b>SEPTEMBER</b>			
1 05	MARATOS	WEND 11	Tokyo JAP
1 05	WARD	WEND 11	Tokyo, JAP
1 05	HUET	WEND 11	Tokyo, JAP
8 12	PHARAOH	TSMAD 17	Seattle, USA
24 26	WARD	HGMIO 5	Bath, UK
24 26	HUET	HGMIO 5	Bath UK
<b>OCTOBER</b>			
6 10	GORZIGLIA	HCA 8 & MACHC 9	Rio, BRA
6 10	HUET	HCA 8	Rio, BRA
13 16	GORZIGLIA	IOC/IMO/WMO CB 2 <sup>nd</sup> Meeting, Paris	Paris, FRA
13 16	BERMEJO	IOC/IMO/WMO CB 2 <sup>nd</sup> Meeting, Paris	Paris, FRA
14 17	MARATOS	Seapower Symposium,	Venice, ITA
16 26	WARD	IMO-IHO B Seminar	Fiji
20 23	GORZIGLIA	Technical Visit	Haiti
20 24	MARATOS	Int. Sci and Tech Conf	Gdynia, POL
<b>NOVEMBER</b>			
1 10	WARD	CHRIS 20	Rio, BRA
1 10	HUET	CHRIS 20	Rio, BRA
17 24	HUET	CHRIS / CSPCWG	Wollongong, AUS
25 05	SHIPMAN	IMO MSC85	London, UK
<b>DECEMBER</b>			
1 05	PHARAOH	ISO/TC211	Tsukuba, JPN
2 05	GORZIGLIA	EatHC 10	Lomé, Togo
2 05	HUET	EAtHC 10	Lomé, Togo

**INTERNATIONAL HYDROGRAPHIC  
ORGANISATION  
HYDROGRAPHIQUE INTERNATIONALE**



**ANNUAL REPORT  
2008**

*RAPPORT ANNUEL  
2ème PARTIE - FINANCES - PART 2*

Traditional and International Presentations  
*Présentations traditionnelle et internationale*

Published by / Publié par le  
BUREAU HYDROGRAPHIQUE INTERNATIONAL

MONACO

## Foreword to the Finance Report for 2008

The Directing Committee is pleased to present the IHO Finance Report for the year 2008. There are some points contained in this report that we wish to highlight and provide more details.

1. The Auditor notes that the accounts show a surplus of 522,345 Euros (see table “Total Operating Statement”). This surplus is made up as follows:

- Increased income not anticipated or authorized for expenditure (40 K€ from the membership of new or reinstated Member States (Ireland, Qatar and Suriname) and 88 K€ from interest received on deposits).
- End of year surplus from the operating budget (235 K€), comprising mainly from under spending on consulting (33 K ), technical assistance and long distance travel (43K€), publications (10K€), public relations and office stationery (15K€), staff expenditure (76 K€) and capital expenditure (40 K€). This was due to reduced requirements which became apparent during the year.
- 60 K€ being extraordinary income (interest and exchange operations).

2. The latest external actuarial calculation indicates an increase in the estimated capital requirements of the Internal Retirement Fund (IRF), from 3,084,452 Euros to 3,119,428 Euros due to a change in forecast interest rates. The IRF was deposited in bank accounts that provided a good rate of return during the year due to an increase in global interest rates. The result is a global improvement of the IHB’s guarantee from 165,699 Euros to 37,752 Euros. As a result, the IRF pension payments for 2008 have continued to be paid from the IRF with no need to use funds from the IHB operating budget as has been the case in the past.

3. In 2008 the Capacity Building Fund continued to provide direct support to training activities as well as support for attendance of participants at various Technical Workshops and Seminars, in accordance with the Capacity Building Program approved by Member States. In 2008 the fund received 66 K€ in external support from the Republic of Korea, which will be employed to better respond to various Capacity Building demands.

4. At the end of 2008, 93.56% of Member States’ contributions had been received. This rate of achievement is an improvement on the previous year which was 90.02%. The amount of contributions in arrears reduced in 2008. Three States remain in arrears as was the case in 2007 also. The Directing Committee continues to communicate with the relevant Member States encountering difficulties in paying their contribution, in order to overcome any problems.

5. The Directing Committee in consultation with the Finance Committee Officers proposes that the surplus of 522,345 Euros for 2008 be allocated as follows:

- 40,000 Euros to the IRF in order to meet its forecast liabilities;
- 100,000 Euros to the Conference Fund, to meet the future expenses of 2-3 yearly conferences (2009 Extraordinary International Hydrographic Conference (EIHC), the 2012 IHC, 2014 EIHC, etcetera, or Assemblies when established);
- 64,000 Euros to the Removal Fund to anticipate the retirement of 2 Professional Assistants before the end of the 5-year budget 2008/2012 in addition to the changeover of Directors in 2012.
- 78,000 Euros to the Capacity Building Fund, to support an ENC Production Course for developing countries, as requested through RHCs.
- 40,000 Euros to the Renovation Fund, in order to support necessary improvements to the IHB premises (layout of the new chart room & offices), and
- 200,345 Euros to the Operating Cash Reserve.

6. The Directing Committee is confident of the financial situation of the Organization and its ability to meet its obligations, and continues to closely monitor financial activity.

## **Rapport financier annuel pour 2008**

### **Avant-propos**

Le comité de direction a l'honneur de vous présenter le rapport financier de l'OHI pour l'année 2008. Il considère qu'il contient plusieurs points qui méritent de se trouver mis en lumière et souhaite y apporter des précisions complémentaires.

1. Le rapport du commissaire aux comptes indique un résultat excédentaire de 522.345 Euros (se reporter au tableau « Compte de résultats »), et ce montant tient compte des éléments suivants :

- Un accroissement des recettes non budgétées, recettes qui ne peuvent se trouver utilisées pour un montant de 40 K€ et qui proviennent de l'adhésion ou de la réintroduction de plusieurs Etats membres (Irlande, Qatar et Suriname) ainsi qu'un excédent de 88 K€ provenant d'intérêts reçus sur des placements en comptes de dépôt à terme,
- Un excédent de 235 K€ au titre du budget des dépenses, qui provient principalement des dépenses de consultants (33 K€), des voyages au titre de l'assistance technique et des grands déplacements (43 K€), des publications (10 K€), des dépenses de relations publiques et des fournitures de bureau (15 K€), des dépenses de personnel (76 K€), ainsi que du chapitre des investissements (40 K€). Cela fut causé par des besoins réduits qui sont apparus durant l'année.
- Un montant de 60 K€ provient d'opérations exceptionnelles (intérêts et opérations de change).

2. Les résultats d'une étude actuarielle annuelle laissent apparaître qu'en raison d'une variation du taux d'actualisation retenu, le passif social du FRI progresse de 3.084.452 à 3.119.428 €. Les fonds du FRI sont investis dans des comptes à terme bancaires en Euros, lesquels ont généré des revenus d'un bon niveau, comme c'était le cas l'année passée. Il en résulte une amélioration générale qui fait revenir la garantie du BHI de 165.699 € à 37.752 €. En conséquence, le règlement des pensions de l'année 2008 a pu continuer à s'opérer à partir du FRI, et non financé sur le budget du BHI, comme ce fut le cas dans le passé.

3. Durant l'année 2008, le fonds pour le renforcement des capacités a continué à apporter un soutien direct aux activités de formation, ainsi qu'à la tenue de plusieurs séminaires et ateliers techniques, et cela sur la base du programme sur le renforcement des capacités approuvé par les Etats membres. Le fonds a également reçu, en 2008, un soutien externe de la part de la République de Corée à hauteur de 66 K€ qui sera employé afin d'apporter une réponse plus appropriée aux différentes demandes émises en matière de renforcement des capacités.

4. A la fin de l'année 2008, le taux d'encaissement des contributions des Etats membres s'élève à 93.56%, soit un résultat légèrement supérieur à celui de l'année précédente qui avait atteint 90,2%. Le montant des contributions échues et non réglées a régressé en 2008, et seuls trois Etats présentent des arriérés comme ce fut le cas l'année précédente. Le comité de direction a intensifié la communication avec les Etats éprouvant des difficultés à régler leurs contributions, afin de surmonter ces difficultés.

5. Après consultation du comité restreint de la Commission des finances, le comité de direction propose que l'excédent d'exploitation de 522.345 € au titre de l'année 2008, puisse être utilisé de la façon suivante :

- 40.000 € en faveur du FRI, afin de combler le déséquilibre avec le passif social,
- 100.000 € en faveur du fonds des Conférences, afin de faire face aux dépenses des assemblées qui ont lieu toutes les 2 à 3 années (CHIE - Conférence hydrographique internationale extraordinaire de 2009), la CHI de 2012, la CHIE de 2014 ainsi que les conférences ou assemblées suivantes lorsqu'elles seront établies.
- 64.000 € en faveur du fonds pour les déménagements, afin d'anticiper les départs en retraite de 2 adjoints techniques avant la fin de la période quinquennale 2008-2012 en sus du renouvellement des directeurs en 2012,
- 78.000 € à destination du fonds pour le renforcement des capacités afin, conformément aux demandes formulées par les Commissions hydrographiques régionales (RHC), d'apporter un soutien d'une formation en matière de production de cartes électroniques (ENC) à destination des pays en développement,
- 40.000 € pour le fonds de rénovation, de façon à accompagner les améliorations des locaux du BHI (redistribution de l'espace libéré en salle des cartes, pour créer de nouveaux postes de travail), et
- 200.345 € à destination de la réserve de trésorerie opérationnelle.

6. Le comité de direction reste confiant quant à la situation financière de l'Organisation, ainsi qu'en sa capacité à assumer ses obligations, et il continue à suivre de près son activité financière.

**INTERNATIONAL PRESENTATION**  
**PRESENTATION INTERNATIONALE**

# International Hydrographic Organisation - Organisation Hydrographique Internationale

## Index des états financiers Index to the financial statements

as of 31st December 2008 - au 31 décembre 2008

### Pages

1	Compared global Income & Expenditure Charges et revenus comparés
2	Compared Balance sheets - Bilans comparés
3	Cash-flow statement - Etat des flux financiers
4 - 8	Notes to the financial statements Notes relatives aux états financiers
9	Detailed compared Income & Expenditure Détail des revenus et charges comparés
10	Schedule I : Detail of overdue contributions Détail des contributions échues
11	Schedule II : Creditors - Crédateurs
12	Schedule III : Budget report - Exécution budgétaire



**International Hydrographic Organisation - Organisation Hydrographique Internationale**  
**Compared Global Income and Expenditure**  
**Charges et revenus comparés**  
**as of 31st December 2008 - au 31 décembre 2008**  
**(expressed in thousands Euros - exprimé en milliers d'Euros)**

	<b>2008</b>	<b>2007</b>
<i>Revenus - Income</i>	2 885	2 764
<i>Charges opérationnelles - Operating costs</i>	-2 357	-2 350
<b>Résultat opérationnel - Operating surplus</b>	<b>528</b>	<b>414</b>
<i>Intérêts reçus - Interest receivable</i>	145	135
<i>Equipement de bureau - Office equipment</i>	-34	-37
<i>Opérations de change - Financial operations (currency exchange)</i>	37	-29
<i>Dotations aux fonds dédiés - Transfer to dedicated funds</i>	-154	-104
<b>Résultat annuel - Surplus for the year</b>	Euros <b>522</b>	<b>378</b>

	Capitaux permanents de l'OHI	Revaluation Reserve	Autres réserves (note 9)	Total
<b>Etat d'évolution du financement permanent</b>				
<b>Statement of changes in permanent funding</b>				
Montants en début d'année	2 157	46	840	3 043
- Capitalisation de la réserve financière	-	-46	-	-46
- Capitalization of financial holdings				
Résultat de l'année - Surplus for the year	522	-	-	522
<i>Evolution des fonds dédiés :</i>				
- Dépensé à partir des fonds - Spent from dedicated funds	-	-	276	276
- Fonds de rénovation - Renovation fund	-17	-	-	-17
- Fonds de déménagement des directeurs - Removal fund	-17	-	-	-17
- Fonds de conférence - Conference fund	-100	-	-	-100
Movement in the year (provisions) :				
- Reprise de provision Etats membres - Cancellation provision Member State				
- Variation provision du FRI - Changes in IRF requirements	-29	-	-	-29
- Variation du fond de réserve - Allocation to Emergency Reserve Fund	-4	-	-	-4
Montants en fin d'année - Balance at the end of the year	<b>2 512</b>	<b>0</b>	<b>1 116</b>	<b>3 629</b>

**International Hydrographic Organisation - Organisation Hydrographique Internationale**

**Compared Balance Sheet**

**Bilans comparés**

as of 31st December 2008 - au 31 décembre 2008

(expressed in thousands Euros - exprimé en milliers d'Euros)

	<i>Notes</i>	<i>2008</i>	<i>2007</i>
<b>Immobilisations - Fixed asset</b>			
<i>Valeur nette des immobilisations - Net Tangible assets</i>	4	57	75
<i>Investissements financiers - Financial Investments</i>	5	0	0
<b>Actif circulant - Current assets</b>			
<i>Débiteurs - Debtors</i>	6	354	616
<i>Cash at bank &amp; in hand :</i>			
<i>Disponibilités bancaires du BHI</i>	11	4 200	3 367
		<hr/>	<hr/>
		4 554	3 983
<i>Creditors - amounts falling due within 1 year</i>			
<i>Créditeurs - montant à moins d'1 an</i>	7	-982	-1 061
		<hr/>	<hr/>
<b>Fond de roulement - Working capital</b>		3 572	2 923
<i>Disponibilités bancaires du FRI</i>	8	3 441	3 390
<b>Provision pour les retraites</b>		<hr/>	<hr/>
<b>Provision for retirement fund</b>		-3 441	-3 390
<i>Actif net - Net assets</i>		0	0
		Euros <u>3 629</u>	Euros <u>2 997</u>
<b>Réserves - Reserves</b>			
<i>Capitaux permanents de l'OHI - Accumulated surplus</i>		2 512	2 157
<i>Autres réserves - Other reserves</i>	9-10	1 116	840
		Euros <u>3 629</u>	Euros <u>2 997</u>

**International Hydrographic Organisation - Organisation Hydrographique Internationale**

**Cash Flow Statement**

**Etat de flux financiers**

**As of 31 December 2008 - Au 31 décembre 2008**

**(expressed in thousands Euros - exprimé en milliers d'Euros)**

	<b>2008</b>	<b>2007</b>
<b>Cash Flow opérationnel - from operating activities</b>		
Résultat opérationnel de l'année - Surplus for the year	522	378
 <b>Adjustments for :</b>		
Dépréciation des immobilisations - Depreciation	23	27
Cession d'immobilisations - Sale of fixed assets	0	0
Provision du FRI - Retirement fund provision	0	0
Variation des réserves - Reserve movements	0	0
Intérêts bancaires - Bank interest	-111	-87
Charges financières - Interest expense	<u>0</u>	<u>0</u>
	<u>-88</u>	<u>-60</u>
Surplus before working capital changes	434	318
 Variation des débiteurs - Increase in trade and other receivables	263	-119
Variation des créditeurs - Increase in trade payables	<u>-79</u>	<u>-13</u>
	<u>184</u>	<u>-132</u>
Flux financier opérationnel - Cash generated from operations	618	186
 Intérêts réglés - Interest paid	0	0
Variation du Fonds de retraite - Retirement fund adjustment	<u>35</u>	<u>39</u>
	<u>35</u>	<u>39</u>
<i>Flux financier opérationnel net - Net cash from operating activities</i>	653	225
 <b>Flux financier des investissements</b>		
<b>Cash flows from investing activities</b>		
Achats d'immobilisations - Purchase of fixed assets	132	-13
Cessions d'immobilisations - Sale of fixed assets	0	0
Intérêts reçus - Interest received	<u>111</u>	<u>87</u>
 <i>Flux net des opérations d'investissement</i>		
Net cash movement in investing activities	<u>243</u>	<u>74</u>
 <b>Total des flux financiers - Net increase in cash</b>	897	299
 <b>Disponibilités au 1er janvier de l'année</b>		
Cash at 1st January of the year	<u>6 662</u>	<u>6 363</u>
 <b>Disponibilités au 31 décembre de l'année</b>		
Cash at 31st December of the year	Euros <u><u>7 559</u></u>	Euros <u><u>6 662</u></u>

# International Hydrographic Organisation - Organisation Hydrographique Internationale

## Notes to the Financial Statements

### Notes relatives aux états financiers

As of 31 December 2008 - Au 31 décembre 2008

(expressed in thousands Euros - exprimé en milliers d'Euros)

#### **1 Principes comptables - Accounting Policies**

##### ***(a) Principes comptables de base - Basis of accounting***

Les états financiers sont préparés selon la méthode du coût historique ainsi que selon les normes comptables internationales (IAS / IFRS).

*The financial statements are prepared under the historical cost convention and in accordance with applicable International Accounting Standards.*

##### ***(b) Revenus - Income***

Les revenus proviennent essentiellement des contributions des Etats Membres de l'OHI.

*Income principally represents contributions receivable from Member States.*

##### ***(c) Contributions échues - Overdue contributions***

Conformément à l'article 13 du Règlement financier, l'OHI décompte un intérêt à raison de 1% par mois de retard sur les contributions échues. Les droits et prérogatives d'un Etat membre peuvent se trouver suspendus lorsque ces contributions sont échues depuis au moins 2 années et demie.

(se reporter à l'article 16 du Règlement financier de l'OHI).

*In accordance with Article 13 of the Finance Regulations, the IHO charges interests at the rate of 1 % per month on overdue contributions (see art. 13 of the IHO Financial regulations).*

*Members States can be suspended when contributions are in arrears by at least two years and a half (see art. 16 of the IHO Financial regulations).*

##### ***(d) Amortissement des immobilisations - Depreciation of tangible assets***

Il est pratiqué un amortissement sur toutes les immobilisations (d'un prix unitaire supérieur à 762 Euros) à hauteur de la valeur totale de l'immobilisation sur sa probable durée d'utilisation selon les taux suivants :

Mobilier - 20 % du coût par année (sur 5 années)

Equipement informatique - 33.33 % du coût par année (sur 3 années).

*Provision is made for depreciation on all tangible assets (over 762 Euros per article) at rates calculated to write off the cost or valuation over its expected useful life as follows :*

*Furniture - 20% per annum on cost (5 years)*

*IT Equipment - 33.33% per annum on cost (3 years).*

##### ***(e) Transactions en devises - Foreign currencies***

En cours d'année, les transactions libellées en devises sont converties en Euros au taux de change en vigueur à la date de la transaction.

En fin d'année, les dettes et disponibilités libellées en devises sont converties en Euros au taux de change à la date d'établissement du bilan. Les pertes et gains de change sont enregistrés dans le compte de résultat.

*During the year, transactions denominated in foreign currencies are translated into Euros at the rate of exchange ruling at the date of the transaction.*

*At the end of the year, current assets and liabilities denominated in foreign currencies are translated at the rate of exchange ruling at the balance sheet date.*

*Profit and losses on exchange are dealt with in the profit and loss account.*

##### ***(f) Fond de retraite - Retirement fund***

L'OHI gère un fonds de pension partiellement sous capitalisé dénommé Fonds de retraite interne (FRI).

La totalité des avoirs destinés à couvrir les engagements de ce fonds font l'objet de comptes bancaires spécifiques sous forme de comptes de dépôt à terme.

L'Organisation retient l'intégralité de l'engagement déterminé sur la base de l'estimation d'une étude actuarielle (voir note 8). A compter de l'année 2005, les pensions ont été réglées à partir des avoirs du FRI, au lieu de se trouver réglées à partir du budget de l'OHI, comme ce fut le cas de 2000 à 2004.

The Organisation operates a partially unfunded benefit pension scheme known as the Internal Retirement Fund (IRF). A proportion of the assets held to meet the pension liability are held in designated bank accounts and investments.

The Organisation makes full provision for the estimated liability based on actuarial valuation (see note 8). From the year 2005, pensions are paid from dedicated IRF accounts as opposed to a payment from the IHO budget as for previous years (from 2000 to 2004).

**(g) Investissements financiers du FRI - IRF Financial Investments**

A titre de rappel, tous les placements investis sur les marchés boursiers ont été vendus en 2007.

*As a reminder, all marketable securities have been sold during 2007.*

**h) Réserve de trésorerie opérationnelle et Fond de réserve d'urgence**

**Operating Cash Reserve and Emergency Reserve Fund**

Selon les termes de la lettre circulaire FCCL 6/2003 approuvée :

a - l'article 18 du règlement financier indique que le BHI disposera à la fin de chaque année d'une réserve de trésorerie opérationnelle, dont le montant sera d'au moins 3/12èmes du budget opérationnel annuel,

b - le montant du fonds de réserve (renommé Fonds de réserve d'urgence) ne sera pas inférieur à 1/12ème du budget opérationnel annuel (voire note 11).

*Following the approval of FCCL 6/2003 :*

*a - Article 18 of the Financial Regulations implies that the IHB will have at its disposal by the end of each year an amount of operating cash reserve, which will correspond to at least 3/12th of the annual operating budget.*

*b - The reserve fund is now called "Emergency Reserve Fund" and its amount shall not be less than 1/12th of the annual operating budget (see note 11).*

**i) Evolution ou changement de procédures internes - Evolution or changes of internal procedures**

A compter de 2007, et en accord avec l'auditeur nommé, les procédures internes ont évolué dans 3 domaines :

- pour l'amortissement des immobilisations, le BHI retient maintenant la date d'acquisition de l'immobilisation au lieu de commencer à constater l'amortissement à partir du début de l'année suivante.
- les dotations aux fonds dédiés (Conférences, déménagement des directeurs, fonds d'impression, fonds de renforcement des capacités, fonds de rénovation et fonds pour la Gebco) ne seront plus prélevés sur le capital, mais seront dotés à partir du budget.
- la comptabilisation des intérêts courus non échus des comptes de dépôt n'aura lieu que sur les comptes d'exploitation, et non pas sur les comptes de retraite.

*From 2007, and in coordination with the appointed auditor, internal procedures have seen an evolution in 3 fields:*

- regarding the depreciation of fixed assets, the IHB is now depreciating these assets from the date of acquisition of the asset, as opposed to start the depreciation the year following that date.*
- Allocations to dedicated funds (Conference fund, Removal fund, Printing fund, Capacity Building fund, Renovation fund & Gebco fund) will be charged from the budget. It will not any longer be supported by the capital.*
- Accounting of non expired run interests on deposit accounts will concern operating deposit accounts (not retirement deposit accounts).*

**2 Information relative au personnel - Employee Information**

**Charges de personnel - Personnel costs :**

	<b>2008</b>	<b>2007</b>
Comité de direction - Directing Committee	405	400
Salaires du personnel - Salaries to Staff Members	1 093	1 063
Cotisations aux régimes de retraite - Payment to retirement funds	303	295
Primes d'assurance - Medical insurance costs	101	111
Allocations au personnel - Allowances	58	65
Autres charges de personnel - Other staff expenses	0	1
Personnel temporaire - Temporary staff & secondment	0	0
Formation - Training	1	4
Euros	<u>1 961</u>	<u>1 939</u>

L'effectif moyen annuel se décompose comme suit :

The average number of employees during the year was made up as follows :

Comité de direction - Directing Committee	3	3
Personnel de cat. A - Category A staff	5	5
Personnel des cat B & C - Support Staff (B & C)	11	11
	<u>19</u>	<u>19</u>

### **3 Imposition du résultat - Taxation**

Selon l'accord conclu entre l'OHI et le Gouvernement de la Principauté de Monaco, les résultats de l'activité de l'Organisation sont exempts d'imposition.

*By agreement between the IHO and the Government of the Principality of Monaco, the Organisation is exempt from direct taxation.*

### **4 Immobilisations - Tangible Fixed Assets**

	Furniture Mobilier	Library Bibliothèque	Total
<b>Valeurs d'acquisition - Cost</b>			
Au 1er janvier de l'année - At 1st January 2008	322	37	359
Acquisitions de l'année - Purchase for the year	-132	0	-132
Au 31 décembre de l'année - At 31st December 2008	<u>190</u>	<u>37</u>	<u>226</u>
<b>Amortissements - Depreciation</b>			
Au 1er janvier de l'année - At 1st January 2008	-284	0	-284
Amortissements de l'année - Depreciations for the year	114	0	114
Au 31 décembre de l'année - At 31st December 2008	<u>-169</u>	<u>0</u>	<u>-169</u>
<b>Valeur nette - Net book value</b>			
Au 31 décembre de l'année n-1 - At 31st December of previous year	Euros 38	37	75
Au 31 décembre de l'année n - At 31st December of current year	Euros <u>20</u>	<u>37</u>	<u>57</u>

### **5 Placements financiers - I.H.O Financial Investments**

Titres boursiers -Marketing securities	0
Autres placements - Any other holdings	0
Euros	<u>0</u>

### **6 Débiteurs - Debtors**

	2008	2007
Contributions restant dues (nettes de provision)	Schedule 1 270	401
Overdue contributions less provision		
TVA récupérable - VAT recoverable	33	61
Avances au personnel et charges constatées d'avance	51	155
<i>Prepayments and Staff advances</i>		
Euros	<u>354</u>	<u>617</u>

### **7 Crédeurs - Creditors**

	2008	2007
Contributions reçues en avance - Prepaid contributions	Schedule 2 766	777
Garantie au FRI - Guaranty to the IRF	38	166
Crédeurs et charges à payer - Creditors and accruals	Schedule 2 179	119
Euros	<u>982</u>	<u>1 061</u>

<b><u>8 Engagements pour la retraite - Pension Commitments</u></b>	<b>2008</b>	<b>2007</b>
- Dépôts à terme du FRI - IRF Bank deposits	3 082	2 919
- Dépôt à terme CMB - CMB Bank deposits	322	306
	<u>Euros 3 403</u>	<u>3 225</u>
- Garantie du BHI - IHB Guaranty	38	166
- Intérêts à recevoir - Interests to be received	0	0
- Estimation de l'engagement de retraite du personnel Estimated net liabilities to Staff Members (FRI + CMB)	<u>Euros 3 441</u>	<u>3 390</u>

<b><u>9 Fonds dédiés (pour des opérations ultérieures)</u></b>	<b>2008</b>	<b>2007</b>
<b><u>Dedicated funds for future operations</u></b>		
- Organisation de conférences - Conference organisation	278	131
- Déménagement des directeurs - Directors' relocation	119	76
- Fonds d'impression - Printing equipment fund	74	74
- Fonds de rénovation - Renovation fund	43	24
- Fonds de renforcement des capacités - Capacity Building Fund	309	247
- Fonds de la GEBCO - Gebco Fund	16	12
- Fonds de bibliothèque ECDIS - Presentation Library fund	41	49
- Fonds Ablos - Ablos fund	12	7

#### **10 Réserves - Reserves**

- Fonds de réserve d'urgence - Emergency Reserve Fund	223	219
	<u>Euros 1 116</u>	<u>840</u>

#### **11 Réserve de trésorerie en fin d'année - End of Year Cash Reserve**

Le montant de trésorerie de fin d'année est un indicateur très utile pour illustrer la solvabilité de l'Organisation, et sa capacité à poursuivre ses opérations durant les 3 mois de l'année suivante (ou 13 semaines).

Un mois supplémentaire se trouve requis pour le fonds de Réserve d'urgence (soit un total de 17 semaines).

*The end-of-year cash reserve is a very useful indicator of the liquidity of the Organisation, and its ability to continue operations in the new year. It should be sufficient for 3 months operations (or 13 weeks).*

*In addition, a further 1 month is required for the Emergency Reserve Fund (equivalent to 17 weeks).*

<b><u>Trésorerie de l'OHI - IHO Cash balances</u></b>	<b>4 200</b>	<b>3 367</b>
Moins - Less		
- Contributions de l'année suivante - Advanced contributions	-766	-777
- Valeur des fonds dédiés - Dedicated funds	-893	-621
	<u>Euros 2 542</u>	<u>1 970</u>
- Garantie en faveur du FRI - Guaranty to the IRF	-38	-166
Net available Cash i.e. - Trésorerie disponible	<u>Euros 2 504</u>	<u>1 804</u>
<u>49 semaines de fonctionnement</u>		<u>49 weeks of operations</u>

#### **Total du budget de l'année suivante (2009)- Total budget for 2009 :**

2 678 (hors fonds dédiés)

- Besoins financiers totaux (Art.18 & 19) = **17 semaines**

Total IHO financial requirements (Art, 18 & 19) = 17 weeks

Art.18 Réserve de trésorerie opérationnelle (3 mois) :

-670

Art.18 Operating Cash Reserve (3 months) :

Art.19 Fonds de réserve d'urgence (1 mois) :

-223

Art.19 Emergency Reserve Fund (1 month) :

Euros 1 612

Excédent de trésorerie disponible

**12 Positions financières en devises - Foreign Exchange Holdings**

**2008**

**2007**

Les disponibilités financières comportent encore des positions en devises étrangères.

Pour information, la valeur de ces positions en devises en fin d'année sont :

*The Cash balances still includes financial availabilities held in Foreign currencies.*

*For information, the value of foreign currencies held at the end of each year was :*

- Positions en USD - USD Holdings	131	520
- Positions en GBP - GBP Holdings	8	8

Ces positions en devises sont sujettes à revalorisation, en fonction de la variation des taux de change.

*These holding are liable to re-valuation, according to exchange rates fluctuation.*



**International Hydrographic Organisation - Organisation Hydrographique Internationale**

**Détail des revenus et charges comparés**

**Detailed compared Income and Expenditure**

**As of 31 December 2008 - Au 31 décembre 2008**

**(expressed in thousands Euros - exprimé en milliers d'Euros)**

	<i>2008</i>	<i>2007</i>
<b>Revenus - Income</b>		
<i>Contributions des Etats Membres - Contributions from Member States</i>	2 721	2 610
<i>Imposition interne - Internal tax</i>	152	150
<i>Ventes de publications - Sales of publications</i>	2	4
<i>Subvention GEBCO - GEBCO Grant</i>	0	0
<i>Revenus exceptionnels - Exceptional income</i>	10	0
	<u>2 885</u>	<u>2 764</u>
<b>Revenus financiers - Interest received</b>		
<i>Intérêts des placements - bank interest</i>	111	87
<i>Profit sur avoirs monétaires - Profit on monetary funds</i>	22	30
<i>Intérêts sur contributions échues - Interest on overdue contributions</i>	12	18
	<u>145</u>	<u>135</u>
<b>Charges opérationnelles - Operating costs</b>		
<i>Charges de personnel - Personnel costs</i>	1 961	1 939
<i>Déplacements - Long Distance Travel</i>	190	188
<i>Entretien des locaux &amp; équipements - Maintenance</i>	82	88
<i>Poste et télécommunications - Postage, telephone and facimile</i>	40	43
<i>Assistance technique - Technical assistance</i>	34	21
<i>Consultants - Consultancy</i>	6	16
<i>Autres publications - Other publications</i>	4	12
<i>Revue de l'OHI - I.H Review</i>	7	11
<i>Autres coûts opérationnels - Other operating costs</i>	14	15
<i>Fournitures de bureau - Office stationery</i>	7	10
<i>Relations publiques - Public relations</i>	12	7
<i>Charges exceptionnelles - Exceptional cost</i>	0	0
	<u>-2 357</u>	<u>-2 350</u>
<b>Office equipment</b>		
<i>Amortissement des immobilisations - Depreciation</i>	23	27
<i>Autres achats - Other purchase and repairs</i>	11	10
	<u>-34</u>	<u>-37</u>
<b>Charges financières - Financial costs</b>		
<i>Resultat sur opérations de change - Result on exchange operations</i>	-37	29
<i>Créances douteuses - Bad debts</i>	0	0
	<u>37</u>	<u>-29</u>
<b>Dotations aux fonds dédiés - Allocation to dedicated funds</b>	-154	-104
<b>Résultat net annuel - Surplus for the year</b>	<b>Euros <u><u>522</u></u></b>	<b>Euros <u><u>378</u></u></b>

**International Hydrographic Organisation - Organisation Hydrographique Internationale**

**Contributions échues - Overdue Contributions**

**As of 31 December 2008 - Au 31 décembre 2008**

**(expressed in thousands Euros - exprimé en milliers d'Euros)**

	<b>2008</b>	<b>2007</b>	<b>2006</b>	<b>Interest Intérêts</b>	<b>Total</b>
Cuba	8	12	0.0	1.5	22
Guatemala	8				8
Iran	52	52	3	7	114
Italie - Italy	8				8
Myanmar	20				20
Maroc - Morocco	16	16	0.3	2	34
Papouasie Nouvelle Guinée	12				12
Papua New Guinea					
Philippines	7				7
Arabie Saoudite - Saudi Arabia	0	1			1
Sri Lanka	12				12
Tonga	8				
Emirats Arabes Unis	24				
United Arab Emirates					
	<b>175</b>	<b>81</b>	<b>3</b>	<b>11</b>	<b>270</b>

<b><i>Suspended Member States</i></b>	<b>Outstanding Contributions</b>	<b>Depreciations</b>	<b>Interests</b>	<b>Balance</b>
<b><i>Etats membres suspendus</i></b>	<b>Contributions échues</b>	<b>Dépréciations</b>	<b>Intérêts</b>	<b>Solde</b>
République Dominicaine - Dominican Republic	6.3	-7.1	0.8	<b>0.0</b>
Rép. Dém. du Congo - Dem. Rep. of Congo	8.8	-9.8	1.0	<b>0.0</b>
	<b>15.1</b>	<b>-16.9</b>	<b>1.8</b>	<b>0.0</b>

**International Hydrographic Organisation - Organisation Hydrographique Internationale**

**Créditeurs - Creditors**

**As of 31 December 2008 - Au 31 décembre 2008**

**(expressed in thousands Euros - exprimé en milliers d'Euros)**

	<i>Recues en 2008 pour des prochaines contributions</i>	<i>Recues en 2007 pour des prochaines contributions</i>
<u><i>Contributions reçues d'avance</i></u>		
<i>Contributions received in advance</i>	<i>Received in 2008 for future contributions</i>	<i>Received in 2007 for future contributions</i>
Australie - Australia	36	0
Brésil - Brazil (2008)	0	44
Brésil - Brazil (2009)	44	32
Canada	2	0
Colombie - Colombia	2	0
Croatie - Croatia	24	24
Chypre - Cyprus	92	92
Danemark - Denmark	0	64
Equateur - Ecuador	14	0
Egypte -Egypt	0.5	0.5
Estonie - Estonia	16	16
Finlande - Finland	0	32
Islande - Iceland	12	12
Indonésie - Indonesia	44	44
Lettonie - Latvia	11	16
Maurice - Mauritius	0	12
Mexique - Mexico	0	28
Pays Bas - Netherlands	56	56
Nouvelle Zélande - New Zealand	12	12
Pakistan	16	0
Pologne - Poland	12	12
Portugal	28	0
Singapour - Singapore	107	0
Afrique du Sud - South Africa	16	16
Espagne - Spain	3	3
Suriname	8	8
Suède - Sweden	48	47
Thaïlande - Thailand	0	44
Turquie -Turkey	55	55
Royaume Uni - United Kingdom	107	107
	<b>Euros</b>	
	<u><u>766</u></u>	<u><u>777</u></u>

*Créditeurs et charges à payer - Creditors and accruals*

Plan de pensions - Pensions plan payments	103	68
Charges à payer - Accruals	64	49
Autres créditeurs - Other	12	2
	<b>Euros</b>	
	<u><u>179</u></u>	<u><u>119</u></u>

**International Hydrographic Organisation - Organisation Hydrographique Internationale**

**Exécution budgétaire - Budget Report**

**As of 31 December 2008 - Au 31 décembre 2008**

**(expressed in thousands Euros - exprimé en milliers d'Euros)**

	<b>Budget</b>	<b>2008 Actual Réalisé</b>	<b>Variance Variation</b>
<b>Revenus - Income</b>			
<i>Contributions des Etats Membres - Contributions from Members States</i>	2 681	2 721	-40
<i>Imposition interne - Internal tax</i>	154	152	2
<i>Ventes de publications - Sales of publications</i>	9	2	7
<i>Intérêts bancaires - Bank interests</i>	45	133	-88
<i>Intérêts sur contributions échues - interests on overdue contributions</i>	0	12	-12
<i>Autres revenus (Subv GEBCO) - Other income (Gebco grant)</i>	8	0	8
	<b>2 897</b>	<b>3 020</b>	<b>-123</b>
<b>Charges opérationnelles - Operating costs</b>			
<i>Charges de personnel - Personnel costs</i>	2 038	1 961	77
<i>Déplacements - Long Distance Travel</i>	220	190	30
<i>Entretien - Maintenance</i>	92	82	10
<i>Poste et télécommunications - Postage, telephone and facimile</i>	41	40	1
<i>Assistance technique - Technical assistance</i>	47	34	13
<i>Publications</i>	14	6	8
<i>Revue OHI - I.H Review</i>	11	4	7
<i>Consultants - Consultancy</i>	40	7	33
<i>Autres coûts opérationnels - Other operating costs</i>	17	14	3
<i>Fournitures de bureau - Office stationery</i>	13	7	6
<i>Relations publiques - Public relations</i>	20	12	8
<i>Charges exceptionnelles - Exceptional costs</i>	0	0	0
	<b>2 553</b>	<b>2 357</b>	<b>196</b>
<b>Dépenses d'investissement - Capital costs expended</b>			
<i>Amortissements - Depreciations</i>	25	23	2
<i>Autres achats - Other purchase and repairs</i>	49	11	38
	<b>74</b>	<b>34</b>	<b>40</b>
<b>Charges financières - Financial costs</b>	0	-37	37
<b>Fonds de retraite - Retirement Fund</b>	0	0	0
	<b>270</b>	<b>592</b>	<b>-322</b>

**TRADITIONAL PRESENTATION**  
**PRESENTATION TRADITIONNELLE**

**Index au rapport financier 2008 - Index to the 2008 Annual Report**  
**Présentation Traditionnelle - Traditional Presentation**

Page :

- |                |  |
|----------------|--|
| <b>1</b>       | <b>Balance sheet 2008 - 2007</b><br><i>Bilans comparatifs 2008 - 2007</i>  |
| <b>2</b>       | <b>Budgetary Statement of Income for 2008</b><br><i>Tableau budgétaire des revenus 2008</i>  |
| <b>3 - 4</b>   | <b>Budgetary Statement of Expenditure for 2008</b><br><i>Tableau budgétaire des dépenses 2008</i>  |
| <b>5</b>       | <b>Extraordinary Income and Expenditure / Gains and losses on exchange operations</b><br><i>Revenus et dépenses extraordinaires / Pertes et profits sur opérations de change</i> |
| <b>6-7</b>     | <b>Statement of current year Contributions</b><br><i>Etat des contributions de l'année</i>   |
| <b>8-9</b>     | <b>Detailed Statement of Contributions for 2008</b><br><i>Situation détaillée des contributions pour 2008</i>  |
| <b>10</b>      | <b>Overall Statement of Contributions</b><br><i>Etat récapitulatif des contributions</i>   |
| <b>11 - 13</b> | <b>Distribution of Investments and Cash</b><br><i>Tableau de trésorerie</i>  |
| <b>14</b>      | <b>Total Operating Statements</b><br><i>Compte de résultat</i>   |
| <b>15-17</b>   | <b>Various Funds of the IHB</b><br><i>Fonds du BHI</i>   |
| <b>18-19</b>   | <b>Detailed statement of expenses for Capacity Building Fund</b><br><i>Situation détaillée des dépenses liées au Fonds de Renforcement des Capacités</i>                         |

**COMPARED BALANCE SHEETS AS OF 31 DECEMBER 2008 AND 2007**

<b>ASSETS</b>	<b>EUR 2008</b>	<b>EUR 2007</b>	<b>LIABILITIES</b>	<b>EUR 2008</b>	<b>EUR 2007</b>
<b>I. RETIREMENT FUNDS ASSETS</b>			<b>I. STAFF RETIREMENT FUNDS LIABILITIES</b>		
. Retirement cash invested (IRF)	3 081 675.98	2 918 753.32	. Staff Retirement fund (IRF)	1 281 956.11	1 275 752.69
. Long term guaranty from IHB funds	3 081 675.98	2 918 753.32	. Provision to ensure pensions to IRF staff and retirees	1 837 472.00	1 808 700.00
	37 752.13	165 699.37			
	<b>3 119 428.11</b>	<b>3 084 452.69</b>	Actuarial Requirements	<b>3 119 428.11</b>	<b>3 084 452.69</b>
. Retirement cash invested (External Pension Plans)	321 567.88	279 015.44	. Rights for External Pension Plans	321 567.88	215 926.21
. Forth quarter to be paid to external plan	0.00	26 910.77	. Advance to Future Retiree	0.00	90 000.00
<b>II. VARIOUS DEBTORS</b>			<b>II. VARIOUS CREDITORS</b>		
Purchases made in advance	6 229.63	12 530.91	Pension plans NSM	34 115.83	0.00
Outstanding bills	6 544.26	7 695.98	Personnalized pension contribution to be paid	28 316.36	26 910.77
Advance to personnalized pension plan	0.00	90 000.00	A.M.R.R Complementary Retirement Scheme	40 369.49	41 342.44
Advance to staff	12 688.09	26 554.54	Accruals (outstanding bills, telex, telephone)	63 574.09	48 505.84
Claim for refunding of VAT	32 823.42	60 895.61	Travel claims & wages	0.00	0.00
Interest from Deposit to be received	25 549.49	17 745.91	Provision for doubtful contributions	16 982.59	16 982.59
	<b>83 834.89</b>	<b>215 422.95</b>	Various creditors	1 805.37	1 805.37
<b>III. OUTSTANDING CONTRIBUTIONS</b>			Deposits received for Conference (stands)	10 578.20	0.00
Contributions for the year	175 356.38	260 458.74	Garanty to the IRF	37 752.13	165 699.37
Contributions for previous years	84 604.19	126 633.96		<b>233 494.06</b>	<b>301 246.38</b>
Contributions for suspended MS	15 244.78	15 244.78	<b>III. FUNDS</b>		
Interest remaining due on contributions	12 127.84	15 102.86	Organization of Conferences	277 726.30	131 386.11
	<b>287 333.19</b>	<b>417 440.34</b>	Removal of Directors	119 230.15	76 230.15
<b>IV. FURNITURES AND INSTRUMENTS</b>			Printing Equipment fund	73 792.73	73 792.73
Depreciation of assets	189 749.59	321 945.28	Renovation fund	43 466.46	24 007.46
	-169 477.04	-283 858.39	Capacity Building Fund	309 478.30	246 714.49
<b>V. LIBRARY</b>					
	36 663.99	36 663.99	GEBCO fund	16 370.22	12 497.69
	<b>56 936.54</b>	<b>74 750.88</b>	Presentation Library Fund	40 919.00	49 236.31
<b>VI. IHO CASH IN BANK AND ON HAND</b>			Ablos conference fund	11 711.62	7 032.73
IHB - Bank current accounts	358 403.85	156 280.07		<b>892 694.78</b>	<b>620 897.67</b>
IHB - Bank deposit accounts	3 837 868.72	3 206 032.32	<b>IV. CONTRIBUTIONS RECEIVED IN ADVANCE</b>		
Petty cash	4 071.20	4 659.12	Received in advance or in excess	766 455.98	776 752.15
	<b>4 200 343.77</b>	<b>3 366 971.51</b>	<b>V. CAPITAL</b>		
	<b>8 069 444.38</b>	<b>7 464 964.58</b>	Emergency Reserve fund	223 198.33	218 981.33
			Reserves for revaluation :		
			- physical assets	46 091.78	46 091.78
			Provisions for risks	-1 854 454.59	-1 825 682.59
			Net yearly operating profit	522 345.09	378 458.46
			Net Members Fund	3 798 622.96	3 557 840.50
				<b>2 735 803.57</b>	<b>2 375 689.48</b>
				<b>8 069 444.38</b>	<b>7 464 964.58</b>

**BILANS COMPARES (au 31 Décembre 2008 et 2007)**

ACTIF	EUR 2008	EUR 2007	PASSIF	EUR 2008	EUR 2007
<b>I. TRESORERIE DES FONDS DE RETRAITE</b>			<b>I. ENGAGEMENTS DES FONDS DE RETRAITE</b>		
. Trésorerie disponible (FRI)	3 081 675.98	2 918 753.32	. Fond de Retraite Interne (FRI)	1 281 956.11	1 275 752.69
	3 081 675.98	2 918 753.32	. Provision pour couvrir les pensions du personnel (retraités et actifs relevant du FRI)	1 837 472.00	1 808 700.00
. Garantie long terme du BHI (FRI)	37 752.13	165 699.37	Montant découlant de l'étude actuarielle	<b>3 119 428.11</b>	<b>3 084 452.69</b>
	<b>3 119 428.11</b>	<b>3 084 452.69</b>	. Plans de pensions externes (ex ABN Amro)	321 567.88	215 926.21
. Trésorerie placée (Plans externes)	321 567.88	279 015.44	. Avance consentie à un bénéficiaire	0.00	90 000.00
. Prime trimestrielle à régler (Plans externes)	0.00	26 910.77			
<b>II. DEBITEURS DIVERS</b>			<b>II. CREDITEURS DIVERS</b>		
Prestations effectuées d'avance	6 229.63	12 530.91	Plans de pension personnalisés (NSM)	34 115.83	0.00
Factures non encaissées	6 544.26	7 695.98	Plans de pensions externes à payer	28 316.36	26 910.77
Avance à un plan de retraite	0.00	90 000.00	Retraite complémentaire A.M.R.R	40 369.49	41 342.44
Avances au personnel	12 688.09	26 554.54	Charges à payer (factures, télécommunications, etc..)	63 574.09	48 505.84
Demande de remboursement de TVA	32 823.42	60 895.61	Salaires et notes de frais	0.00	0.00
Intérêts sur placements à recevoir	25 549.49	17 745.91	Provision pour contributions (EM suspendus)	16 982.59	16 982.59
	<b>83 834.89</b>	<b>215 422.95</b>	Créditeurs divers	1 805.37	1 805.37
<b>III. CONTRIBUTIONS</b>			Montants reçus pour la prochaine Conférence (stands)	10 578.20	0.00
Contributions pour l'année en cours	175 356.38	260 458.74	Garantie en faveur du FRI	37 752.13	165 699.37
Contributions échues (années précédentes)	84 604.19	126 633.96		<b>233 494.06</b>	<b>301 246.38</b>
Contributions (Etats membres suspendus)	15 244.78	15 244.78	<b>III. FONDS DEDIES</b>		
Intérêts restant dus sur contributions échues	12 127.84	15 102.86	Fonds d'organisation des conférences	277 726.30	131 386.11
	<b>287 333.19</b>	<b>417 440.34</b>	Fonds de déménagement des directeurs	119 230.15	76 230.15
<b>IV. MOBILIER &amp; EQUIPEMENTS</b>			Fond d'impression des publications	73 792.73	73 792.73
Amortissement des immobilisations	189 749.59	321 945.28	Fonds de rénovation	43 466.46	24 007.46
	-169 477.04	-283 858.39	Fonds de renforcement des capacités	309 478.30	246 714.49
<b>V. BIBLIOTHEQUE</b>			Fonds pour la GEBCO	16 370.22	12 497.69
	36 663.99	36 663.99	Fonds "Presentation Library"	40 919.00	49 236.31
	<b>56 936.54</b>	<b>74 750.88</b>	Fonds de conférences Ablos	11 711.62	7 032.73
<b>VI. TRESORERIE DISPONIBLE DE L'OHI</b>				<b>892 694.78</b>	<b>620 897.67</b>
IHB - Comptes courants bancaires	358 403.85	156 280.07	<b>IV. CONTRIBUTIONS RECUES EN AVANCE</b>		
IHB - Comptes de dépôt & placement monétaire	3 837 868.72	3 206 032.32	Reçues en avance ou en excédent	766 455.98	776 752.15
Espèces en caisse	4 071.20	4 659.12	<b>V. CAPITAUX PERMANENTS</b>		
	<b>4 200 343.77</b>	<b>3 366 971.51</b>	Fond de réserve d'urgence	223 198.33	218 981.33
	<b>8 069 444.38</b>	<b>7 464 964.58</b>	Réserve de réévaluation	46 091.78	46 091.78
			- fixed assets	-1 854 454.59	-1 825 682.59
			Provisions pour risques (FRI + MS)	522 345.09	378 458.46
			Résultat opérationnel net de l'année en cours	3 798 622.96	3 557 840.50
			Capitaux nets permanents	<b>2 735 803.57</b>	<b>2 375 689.48</b>
				<b>8 069 444.38</b>	<b>7 464 964.58</b>



**I. INCOME - EUR**

**BUDGETARY STATEMENT FOR 2008**  
**TABLEAU BUDGETAIRE POUR 2008**

**I. REVENUS - EUR**

CHAPTERS CHAPITRES	Unit Value of one share EUR 3 984.48	Estimates Prévisions	Modif. to Estimates Modif. des prévisions		Adjusted Estimates Prévisions révisées	Amount received (a) or remaining due (b) Montant reçu (a) ou restant dû (b)	100%	Differences with adjusted Estimates Différences avec les prévisions révisées		
			Excess Excédent	Deficit Déficit				Excess Excédent	Deficit Déficit	
<b>A. Contributions for the year (673 shares)</b> Contributions de l'année (673 parts)		2 681 555.04			2 721 399.84	2 546 043.46 (a) *	93.56%			
- Qatar	5		19 922.40			175 356.38 (b)	6.44%			
- Irland / Irlande	3		11 953.44							
- Suriname	2		7 968.96							
<b>B. Sales of publications</b> Ventes de publications		9 000.00			9 000.00	2 095.83	23.29%	0.00	6 904.17	
<b>C. Advertisements in publications</b> Annonces dans les publications		0.00			0.00	0.00	0.00%	0.00	0.00	
<b>D. Interest on Bank Accounts :</b> Intérêts sur comptes en banque		45 000.00			45 000.00	132 904.90	295.34%	87 904.90	0.00	
<b>E. Extraordinary income</b> Subvention GEBCO from Monaco		7 800.00			7 800.00	0.00 **	0.00%	0.00	7 800.00	
<b>F. Internal Tax</b> Taxe interne		153 820.00			153 820.00	151 798.03	98.69%	0.00	2 021.97	
<b>Total :</b>		<b>2 897 175.04</b>	<b>39 844.80</b>	<b>0.00</b>	<b>2 937 019.84</b>	<b>3 008 198.60</b>	<b>102.42%</b>	<b>87 904.90</b>	<b>16 726.14</b>	
<b>Contributions received for the previous years / Contributions précédentes perçues</b>					<b>387 092.70</b>	<b>302 488.51</b>	<b>*</b>	<b>78%</b>	<b>0.00</b>	<b>84 604.19</b>

\* Total received in 2008 for all contributions :

2 848 531.97 €

Total reçu en 2008 pour l'ensemble des contributions

\*\* Upon reception on January 2008, amount has been transferred to the Gebco fund.

Après réception en janvier 2008, le montant reçu a été transféré au fonds Gebco.

**BUDGETARY STATEMENT FOR 2008**  
**TABLEAU BUDGETAIRE POUR 2008**

**II. EXPENDITURE - Year 2008**  
**(EURO)**

**II. DEPENSES - Année 2008**  
**(EURO)**

CHAPTERS AND ITEMS  CHAPITRES & ARTICLES	Amounts originally approved  Montants prévus à l'origine	Modifications to original provisions		Final provisions  Prévisions finales	Expenditure achieved  Dépenses payées	100.00 %	Estimated surplus or unallocated  Excédent/Deficit
		Increase  En plus	Decrease  En moins				
<b>I - PERSONNEL COSTS</b> <b>DEPENSES DE PERSONNEL</b>							
a) Salaries - Directing Committee - <i>Salaires du comité de direction</i>	410 000.00			410 000.00	405 247.74	98.8	4 752.26
b) Salaries - Category A - <i>Salaires personnel de catégorie A</i>	525 900.00	4 500.00		530 400.00	530 214.26	100.0	185.74
- Translators - <i>Salaires des traducteurs</i>	120 900.00	600.00		121 500.00	121 453.56	100.0	46.44
- General Services (B & C) - <i>Salaires des personnels (Cat B &amp; C)</i>	402 800.00	2 100.00		404 900.00	404 871.18	100.0	28.82
- Overtime - <i>Heures supplémentaires</i>	10 300.00		4 100.00	6 200.00	5 410.01	87.3	789.99
c) Annual Bonus - <i>Gratifications</i>	33 600.00			33 600.00	31 694.50	94.3	1 905.50
d) Payment to retirement schemes - <i>Cotisations aux régimes de retraite</i>	300 300.00	3 000.00		303 300.00	303 225.02	100.0	74.98
e) Insurances based on wages - <i>Primes d'assurances assises sur les salaires</i>	15 300.00			15 300.00	14 150.12	92.5	1 149.88
f) Medical (GAN premiums) - <i>Primes d'assurance du GAN</i>	65 500.00			65 500.00	61 714.52	94.2	3 785.48
g) Family Allowances - <i>Allocations familiales</i>	30 600.00			30 600.00	19 727.90	64.5	10 872.10
h) Education Grants - <i>Allocations pour frais d'études</i>	34 700.00			34 700.00	17 938.35	51.7	16 761.65
i) Medical claims paid - <i>Dépenses médicales réglées</i>	70 000.00			70 000.00	56 530.37	80.8	13 469.63
Medical claims - refunds from GAN - <i>Remboursements médicaux du GAN</i>	(15 000.00)			(15 000.00)	(18 107.64)	120.7	3 107.64
j) Home rental - <i>Allocations de logement</i>	0.00			0.00	-	-	0.00
k) Home Leave - <i>Congés dans les foyers</i>	12 200.00			12 200.00	7 463.73	61.2	4 736.27
n) Miscellaneous Personnel Expenses - <i>Autres dépenses de personnel</i>	5 100.00			5 100.00	136.05	2.7	4 963.95
o) Salaries - Temporary staff - <i>Personnel temporaire</i>	6 100.00			6 100.00	0.00	0.0	6 100.00
p) Training - <i>Formation</i>	10 200.00		6 100.00	4 100.00	1 135.32	27.7	2 964.68
<b>I. TOTAL CHAPTER - Total du chapitre</b>	<b>2 038 500.00</b>	<b>10 200.00</b>	<b>10 200.00</b>	<b>2 038 500.00</b>	<b>1 962 804.99</b>	<b>96.3</b>	<b>75 695.01</b>
<b>II - CURRENT OPERATING COSTS</b> <b>DEPENSES DE FONCTIONNEMENT</b> <i>(Maintenance, communications, etc...)</i>							
a) Maintenance of building - <i>Entretien des locaux</i>	56 100.00		100.00	56 000.00	52 236.37	93.3	3 763.63
Multirisik insurance - <i>Assurance multi-risques</i>	2 000.00	100.00		2 100.00	2 061.38	98.2	38.62
Maintenance of IT equipments - <i>Entretien de l'équipement informatique</i>	35 700.00			35 700.00	29 726.32	83.3	5 973.68
b) Office Stationery - <i>Fournitures de bureau</i>	13 300.00			13 300.00	6 643.88	50.0	6 656.12
c) Postage, telephone, telex, telefax - <i>Télécommunications</i>	40 800.00			40 800.00	40 233.59	98.6	566.41
d) Local Travel - <i>Déplacements locaux</i>	3 600.00			3 600.00	2 252.33	62.6	1 347.67
e) Bank Charges - <i>Frais bancaires</i>	6 100.00			6 100.00	3 883.29	63.7	2 216.71
f) Consultancy Expenses (others than auditors) - <i>Dépenses de consultants</i>	40 000.00			40 000.00	6 423.85	16.1	33 576.15
g) Auditors fees - <i>Honoraires du commissaire aux comptes</i>	4 100.00			4 100.00	3 900.00	95.1	200.00
h) Public Relations - <i>Charges de relations publiques</i>	19 876.00			19 876.00	11 805.87	59.4	8 070.13
i) Miscellaneous Operating Expenses - <i>Autres dépenses de fonctionnement</i>	1 000.00			1 000.00	893.62	89.4	106.38

CHAPTERS AND ITEMS CHAPITRES & ARTICLES	Amounts originally approved Montants prévus à l'origine	Modifications to original provisions Increase Decrease Modifications aux prévisions originales		Final provisions Prévisions finales	Expenditure achieved Dépenses payées	100.00 %	Estimated surplus or unallocated Excédent/Déficit
<i>(Travel costs)</i>							
j) Capacity Building (Prog.2 only) - <i>Déplacements (programme 2 - Renf. Capacités)</i>	47 000.00			47 000.00	33 678.26	71.7	13 321.74
k) Long Distance Travel (all program except 2) - <i>Déplacements internationaux</i>	220 000.00			220 000.00	190 037.26	86.4	29 962.74
<i>(Publications costs)</i>							
l) I. H. Review - <i>Revue hydrographique</i>	11 200.00			11 200.00	7 561.21	67.5	3 638.79
m) Other publications - <i>Autres publications</i>	14 300.00			14 300.00	3 868.68	27.1	10 431.32
<b>II - TOTAL CHAPTER - Total du chapitre</b>	<b>515 076.00</b>	<b>100.00</b>	<b>100.00</b>	<b>515 076.00</b>	<b>395 205.91</b>	<b>76.7</b>	<b>119 870.09</b>
<b>III - CAPITAL EXPENDITURE</b>							
<b>DEPENSES DE CAPITAL</b>							
a) Purchase of IT equipments - <i>Achats d'équipements informatiques</i>	35 000.00			35 000.00	5 101.84	14.6	29 898.16
b) Purchase of furniture & other equipments - <i>Autres achats (mobilier, etc ...)</i>	13 000.00			13 000.00	4 766.05	36.7	8 233.95
c) Depreciation of fixed assets - <i>Amortissement des actifs immobilisés</i>	25 000.00			25 000.00	23 560.80	94.2	1 439.20
d) Purchase Publications - <i>Achats de publications</i>	1 200.00			1 200.00	480.27	40.0	719.73
<b>III. TOTAL CHAPTER - Total du chapitre</b>	<b>74 200.00</b>	<b>0.00</b>	<b>0.00</b>	<b>74 200.00</b>	<b>33 908.96</b>	<b>45.7</b>	<b>40 291.04</b>
<b>ANNUAL OPERATING COSTS I + II + III</b>	<b>2 627 776.00</b>	<b>10 300.00</b>	<b>10 300.00</b>	<b>2 627 776.00</b>	<b>2 391 919.86</b>	<b>91.0</b>	<b>235 856.14</b>

FUNDS - Allocations aux fonds	Amount approved originally - Dotations prévues à l'origine	Remaining fund from last year Solde de l'année précédente	Additional support Allocation supplémentaire	Final provisions Prévisions finales	Expenditure paid Dépenses payées	%	Unexpended Solde disponible
<b>GEBCO FUND</b> - Fonds de la Carte Bathymétrique des Océans	7 800.00	12 497.69	0.00	20 297.69	3 927.47	19.3	16 370.22
<b>PRINTING FUND</b> - Fonds d'impression des publications	0.00	73 792.73	0.00	73 792.73	0.00	0.0	73 792.73
<b>RENOVATION FUND</b> - Fonds de rénovation	3 000.00	24 007.46	16 459.00	43 466.46	0.00	0.0	43 466.46
<b>I.H. CONFERENCE FUND</b> - Fonds pour les Conférences	55 000.00	131 386.11	100 000.00	286 386.11	8 659.81	3.0	277 726.30
<b>REMOVAL OF DIRECTORS FUND</b> - Fonds pour le déménagement des directeurs	26 000.00	76 230.15	17 000.00	119 230.15	0.00	0.0	119 230.15
<b>CAPACITY BUILDING FUND / IHO SUPPORT</b> - CBF sur ressources budget OHI	70 000.00	141 086.45	0.00	211 086.45	57 340.77	27.2	153 745.68
<b>CAPACITY BUILDING FUND / EXTERNAL SUPPORT</b> - Ressources externes	28 582.38	105 628.04	65 822.60	200 033.02	44 300.40	22.1	155 732.62
<b>TOTAL</b>	<b>190 382.38</b>	<b>564 628.63</b>	<b>199 281.60</b>	<b>954 292.61</b>	<b>114 228.45</b>		<b>840 064.16</b>

Including balance brought forward on 1st January 2008 - *Y compris solde reporté au 1er janvier de l'année 2008.*

## EXTRAORDINARY INCOME AND EXPENDITURE

### REVENUS ET DEPENSES EXTRAORDINAIRES

	INCOME <i>REVENUS</i>	EXPENDITURE <i>DEPENSES</i>
<b>A. Interest due on overdue contributions :</b> <i>Intérêts échus sur les contributions non payées</i>	12 561.14	
<b>B. Royalties on publications</b> <i>Royalties sur publications</i>	289.87	
<b>C. Administration fees from Japan CBC</b> <i>Frais administratifs du projet CBC / Japon</i>	7 927.74	
<b>D. Adjustment of rates AMRR for Cat. A</b> <i>Ajustement des taux AMRR pour la catégorie A</i>	2 355.19	
	<b>23 133.94</b>	<b>0.00</b>

## GAINS AND LOSSES ON EXCHANGE OPERATIONS

### PERTES ET PROFITS SUR OPERATIONS DE CHANGE

	INCOME <i>REVENUS</i>	EXPENDITURE <i>DEPENSES</i>
<u>Exchange of currencies - Opérations de change</u>		
<b>A. Gains on exchange :</b> <i>Profits sur opérations de change</i>	46 889.59	
<b>B. Losses on exchange :</b> <i>Pertes sur opération de change</i>		11 222.78
<u>Valuation of holdings - Valorisation des avoirs</u>		
<b>C. Gains on valuation :</b> <i>Profits d'évaluation</i>	3 939.60	
<b>D. Losses of valuation :</b> <i>Pertes d'évaluation</i>		2 674.00
	50 829.19	13 896.78
<b>Net gain on exchange operations :</b> <i>Gain net sur opérations de change :</i>	0.00	36 932.41
	<b>50 829.19</b>	<b>50 829.19</b>

**STATEMENT OF CURRENT YEAR CONTRIBUTIONS**

As of 31 December 2008

**ETAT DES CONTRIBUTIONS DE L'ANNEE**

A la date du 30 décembre 2008

States - Etats		Contribution in EUR	Received EUR	Contribution remaining due in EUR
<b>Contributions for the year :</b>		<b>175 356.38</b>	2 721 399.84	2 546 043.46
<i>Contributions de l'année</i>				<b>175 356.38</b>
ALGERIA	Algérie	23 906.88	23 906.88	0.00
ARGENTINA	Argentine	23 906.88	23 906.88	0.00
AUSTRALIA	Australie	35 860.32	35 860.32	0.00
BAHREIN	Bahrein	19 922.40	19 922.40	0.00
BANGLADESH	Bengladesh	19 922.40	19 922.40	0.00
BELGIUM	Belgique	47 813.76	47 813.76	0.00
BRAZIL	Brésil	43 829.28	43 829.28	0.00
CANAD A	Canada	47 813.76	47 813.76	0.00
CHILE	Chili	23 906.88	23 906.88	0.00
CHINA	Chine	107 580.96	107 580.96	0.00
COLOMBIA	Colombie	11 953.44	11 953.44	0.00
CROATIA	Croatie	23 906.88	23 906.88	0.00
<b>CUBA</b>	<b>Cuba</b>	<b>7 968.96</b>	<b>0.00</b>	<b>7 968.96</b>
CYPRUS	Chypre	91 643.04	91 643.04	0.00
DENMARK	Danemark	63 751.68	63 751.68	0.00
D.P.R OF KOREA	Rép. Démocratique de Corée	19 922.40	19 922.40	0.00
ECUADOR	Equateur	19 922.40	19 922.40	0.00
EGYPT	Egypte	27 891.36	27 891.36	0.00
ESTONIA	Estonie	15 937.92	15 937.92	0.00
FEDERATION OF RUSSIA	Fédération de Russie	63 751.68	63 751.68	0.00
FIJI	Iles Fidji	7 968.96	7 968.96	0.00
FINLAND	Finlande	31 875.84	31 875.84	0.00
FRANCE	France	55 782.72	55 782.72	0.00
GERMANY	Allemagne	71 720.64	71 720.64	0.00
GREECE	Grèce	107 580.96	107 580.96	0.00
<b>GUATEMALA</b>	<b>Guatemala</b>	<b>7 968.96</b>	<b>0.00</b>	<b>7 968.96</b>
ICELAND	Islande	11 953.44	11 953.44	0.00
INDIA	Inde	79 689.60	79 689.60	0.00
INDONESIA	Indonésie	43 829.28	43 829.28	0.00
<b>ISL REP OF IRAN</b>	<b>Islam, Répub. d'Iran</b>	<b>51 798.24</b>	<b>0.00</b>	<b>51 798.24</b>
IRELAND	Irlande	11 953.44	11 953.44	0.00
<b>ITALY</b>	<b>Italie</b>	<b>75 705.12</b>	<b>67 000.00</b>	<b>8 705.12</b>
JAMAICA	Jamaïque	7 968.96	7 968.96	0.00
JAPAN	Japon	75 705.12	75 705.12	0.00
KUWEIT	Koweït	35 860.32	35 860.32	0.00
LATVIA	Lettonie	15 937.92	15 937.92	0.00
MALAYSIA	Malaisie	51 798.24	51 798.24	0.00
MAURITIUS	Maurice	11 953.44	11 953.44	0.00
MEXICO	Mexique	27 891.36	27 891.36	0.00
<b>MOROCCO</b>	<b>Maroc</b>	<b>15 937.92</b>	<b>0.00</b>	<b>15 937.92</b>
MOZAMBIQUE	Mozambique	7 968.96	7 968.96	0.00
<b>MYANMAR</b>	<b>Myanmar</b>	<b>19 922.40</b>	<b>0.00</b>	<b>19 922.40</b>
NETHERLANDS	Pays-Bas	55 782.72	55 782.72	0.00
NEW ZEALAND	Nouvelle Zélande	11 953.44	11 953.44	0.00
NIGERIA	Nigeria	11 953.44	11 953.44	0.00
NORWAY	Norvège	87 658.56	87 658.56	0.00
OMAN SULTANATE	Sultanat d'Oman	7 968.96	7 968.96	0.00
PAKISTAN	Pakistan	15 937.92	15 937.92	0.00
<b>PAPUA NEW GUINEA</b>	<b>Papouasie Nouvelle Guinée</b>	<b>11 953.44</b>	<b>0.00</b>	<b>11 953.44</b>
PERU	Pérou	15 937.92	15 937.92	0.00

States - Etats		Contribution in EUR	Received EUR	Contribution remaining due in EUR
<b>PHILIPPINES</b>	<b>Philippines</b>	<b>51 798.24</b>	<b>44 526.18</b>	<b>7 272.06</b>
POLAND	Pologne	11 953.44	11 953.44	0.00
PORTUGAL	Portugal	27 891.36	27 891.36	0.00
QATAR	Qatar	19 922.40	19 922.40	0.00
SOUTH AFRICA	Afrique du Sud	15 937.92	15 937.92	0.00
REPUBLIC OF KOREA	République de Corée	83 674.08	83 674.08	0.00
ROMANIA	Roumanie	15 937.92	15 937.92	0.00
SAUDI ARABIA	Arabie Saoudite	31 875.84	31 875.84	0.00
SERBIA	Serbie	7 968.96	7 968.96	0.00
SINGAPORE	Singapour	107 580.96	107 580.96	0.00
SLOVENIA	Slovénie	7 968.96	7 968.96	0.00
SPAIN	Espagne	39 844.80	39 844.80	0.00
<b>SRI LANKA</b>	<b>Sri Lanka</b>	<b>11 953.44</b>	<b>0.00</b>	<b>11 953.44</b>
SURINAME	Surinam	7 968.96	7 968.96	0.00
SWEDEN	Suède	47 813.76	47 813.76	0.00
SYRIA	Syrie	19 922.40	19 922.40	0.00
THAILAND	Thaïlande	43 829.28	43 829.28	0.00
<b>TONGA</b>	<b>Iles Tonga</b>	<b>7 968.96</b>	<b>0.00</b>	<b>7 968.96</b>
TRINIDAD & TOBAGO	Trinité & Tobago	7 968.96	7 968.96	0.00
TUNISIA	Tunisie	15 937.92	15 937.92	0.00
TURKEY	Turquie	55 782.72	55 782.72	0.00
UKRAINE	Ukraine	31 875.84	31 875.84	0.00
<b>UNITED ARAB EMIRATES</b>	<b>Emirats Arabes Unis</b>	<b>23 906.88</b>	<b>0.00</b>	<b>23 906.88</b>
UNITED KINGDOM	Royaume-Uni	107 580.96	107 580.96	0.00
UNITED STATES OF AMERICA	Etats Unis d'Amérique	99 612.00	99 612.00	0.00
URUGUAY	Uruguay	7 968.96	7 968.96	0.00
VENEZUELA	Venezuela	19 922.40	19 922.40	0.00
		<b>2 721 399.84</b>	<b>2 546 043.46</b>	<b>175 356.38</b>

**MONTHLY STATEMENT OF CONTRIBUTIONS FOR THE YEAR**  
as of 31 December 2008

**SITUATION MENSUELLE DES CONTRIBUTIONS DE L'ANNEE**  
A la date du 31 décembre 2008

States - Etats	Contribution in EUR	up to janv-08	févr-08	mars-08	avr-08	mai-08	juin-08	juil-08	août-08	sept-08	oct-08	nov-08	déc-08	Received up to 31 December 2008	Remaining due EUR
ALGERIA - ALGERIE	23 906.88				23 906.88									23 906.88	0.00
ARGENTINA - ARGENTINE	23 906.88											23 906.88		23 906.88	0.00
AUSTRALIA - AUSTRALIE	35 860.32	35 860.32												35 860.32	0.00
BAHREIN	19 922.40										19 922.40			19 922.40	0.00
BANGLADESH	19 922.40		19 922.40											19 922.40	0.00
BELGIUM - BELGIQUE	47 813.76									47 813.76				47 813.76	0.00
BRAZIL - BRESIL	43 829.28	43 829.28												43 829.28	0.00
CANADA	47 813.76						47 813.76							47 813.76	0.00
CHILE - CHILI	23 906.88								23 906.88					23 906.88	0.00
CHINA - CHINE	107 580.96					107 580.96								107 580.96	0.00
COLOMBIA - COLOMBIE	11 953.44	6 643.86			5 309.58									11 953.44	0.00
CROATIA - CROATIE	23 906.88	23 906.88												23 906.88	0.00
CUBA	7 968.96													0.00	7 968.96
CYPRUS - CHYPRE	91 643.04	91 643.04												91 643.04	0.00
DENMARK - DANEMARK	63 751.68	63 751.68												63 751.68	0.00
D.P.R. OF KOREA - REP. DEM. DE COREE	19 922.40										19 922.40			19 922.40	0.00
ECUADOR - EQUATEUR	19 922.40							11 465.99		8 456.41				19 922.40	0.00
EGYPT - EGYPT	27 891.36		27 891.36											27 891.36	0.00
ESTONIA - ESTONIE	15 937.92	15 937.92												15 937.92	0.00
FIJI - FIDJI	7 968.96												7 968.96	7 968.96	0.00
FINLAND - FINLANDE	31 875.84	31 875.84												31 875.84	0.00
FRANCE	55 782.72		55 782.72											55 782.72	0.00
GERMANY - ALLEMAGNE	71 720.64	71 720.64												71 720.64	0.00
GREECE - GRECE	107 580.96											107 580.96		107 580.96	0.00
GUATEMALA	7 968.96													0.00	7 968.96
ICELAND - ISLANDE	11 953.44	11 953.44												11 953.44	0.00
INDIA - INDE	79 689.60		79 689.60											79 689.60	0.00
INDONESIA - INDONESIE	43 829.28	43 829.28												43 829.28	0.00
IRAN (ISLAM. REP OF)	51 798.24													0.00	51 798.24
IRELAND - IRLANDE	11 953.44												11 953.44	11 953.44	0.00
ITALY - ITALIE	75 705.12				67 000.00									67 000.00	8 705.12
JAPAN - JAPON	75 705.12					75 705.12								75 705.12	0.00
JAMAICA - JAMAIQUE	7 968.96				7 968.96									7 968.96	0.00
KUWEIT - KOWEIT	35 860.32	35 860.32												35 860.32	0.00
LATVIA - LETTONIE	15 937.92	15 937.92												15 937.92	0.00
MALAYSIA - MALAISIE	51 798.24			51 798.24										51 798.24	0.00
MAURITIUS - MAURICE	11 953.44	11 953.44												11 953.44	0.00
MEXICO	27 891.36	27 891.36												27 891.36	0.00
MOROCCO - ROYAUME DU MAROC	15 937.92													0.00	15 937.92
MOZAMBIQUE	7 968.96		7 968.96											7 968.96	0.00
MYANMAR	19 922.40													0.00	19 922.40
NETHERLANDS - PAYS-BAS	55 782.72	55 782.72												55 782.72	0.00
NEW ZEALAND - NOUVELLE ZELANDE	11 953.44	11 953.44												11 953.44	0.00

States - Etats	Contribution in EUR	up to janv-08	févr-08	mars-08	avr-08	mai-08	juin-08	juil-08	août-08	sept-08	oct-08	nov-08	déc-08	Received up to 31 December 2008	Remaining due EUR
NIGERIA	11 953.44										11 953.44			11 953.44	0.00
NORWAY - NORVEGE	87 658.56	87 658.56												87 658.56	0.00
OMAN SULTANATE - SULTANAT D'OMAN	7 968.96		7 968.96											7 968.96	0.00
PAKISTAN	15 937.92		15 937.92											15 937.92	0.00
PAPUA NEW GUINEA	11 953.44													0.00	11 953.44
PERU - PEROU	15 937.92				15 937.92									15 937.92	0.00
PHILIPPINES	51 798.24										30 378.24		14 147.94	44 526.18	7 272.06
POLAND - POLOGNE	11 953.44	11 953.44												11 953.44	0.00
PORTUGAL	27 891.36						27 891.36							27 891.36	0.00
QATAR	19 922.40			19 922.40										19 922.40	0.00
REPUBLIC OF KOREA - REP. DE COREE	83 674.08		83 674.08											83 674.08	0.00
REP. OF SOUTH AFRICA - AFRIQUE DU SUD	15 937.92	15 937.92												15 937.92	0.00
ROMANIA - ROUMANIE	15 937.92												15 937.92	0.00	0.00
RUSSIAN FEDERATION - RUSSIE	63 751.68			63 751.68										63 751.68	0.00
SAUDI ARABIA - ARABIE SAOUDITE	31 875.84				31 875.84									31 875.84	0.00
SERBIA - SERBIE	7 968.96			7 968.96										7 968.96	0.00
SINGAPORE - SINGAPOUR	107 580.96	107 580.96												107 580.96	0.00
SLOVENIA - SLOVENIE	7 968.96		3 984.48				3 984.48							7 968.96	0.00
SPAIN - ESPAGNE	39 844.80	3 229.04			36 615.76									39 844.80	0.00
SRI LANKA	11 953.44													0.00	11 953.44
SURINAME - SURINAM	7 968.96	7 968.96												7 968.96	0.00
SWEDEN - SUEDE	47 813.76	47 813.76												47 813.76	0.00
SYRIA - SYRIE	19 922.40										19 922.40			19 922.40	0.00
THAILAND - THAILANDE	43 829.28	43 829.28												43 829.28	0.00
TONGA	7 968.96													0.00	7 968.96
TRINIDAD & TOBAGO - TRINITE & TOBAGO	7 968.96				7 968.96									7 968.96	0.00
TUNISIA - TUNISIE	15 937.92				15 937.92									15 937.92	0.00
TURKEY - TURQUIE	55 782.72	55 782.72												55 782.72	0.00
UKRAINE	31 875.84							31 875.84						31 875.84	0.00
UNITED ARAB EMIRATES - EMIRATS ARABES UNIS	23 906.88													0.00	23 906.88
UNITED KINGDOM - ROYAUME UNI	107 580.96	107 580.96												107 580.96	0.00
U.S.A. - ETATS UNIS D'AMERIQUE	99 612.00							99 612.00						99 612.00	0.00
URUGUAY	7 968.96					7 968.96								7 968.96	0.00
VENEZUELA	19 922.40											19 922.40		19 922.40	0.00
<b>Monthly Amount received</b>		<b>1 089 666.98</b>	<b>302 820.48</b>	<b>143 441.28</b>	<b>212 521.82</b>	<b>195 239.52</b>	<b>75 705.12</b>	<b>142 953.83</b>	<b>23 906.88</b>	<b>56 270.17</b>	<b>102 098.88</b>	<b>151 410.24</b>	<b>50 008.26</b>	<b>2 546 043.46</b>	<b>175 356.38</b>
<b>ACCUMULATED TOTAL</b>	<b>2 721 399.84</b>	<b>1 089 667</b>	<b>1 392 487</b>	<b>1 535 929</b>	<b>1 748 451</b>	<b>1 943 690</b>	<b>2 019 395</b>	<b>2 162 349</b>	<b>2 186 256</b>	<b>2 242 526</b>	<b>2 344 625</b>	<b>2 496 035</b>	<b>2 546 043</b>		
Percentage received		<b>40.04%</b>	<b>51.17%</b>	<b>56.44%</b>	<b>64.25%</b>	<b>71.42%</b>	<b>74.20%</b>	<b>79.46%</b>	<b>80.34%</b>	<b>82.40%</b>	<b>86.16%</b>	<b>91.72%</b>	<b>93.56%</b>	<b>93.56%</b>	<b>6.44%</b>
Comparison with previous year		<b>33.17%</b>	<b>41.50%</b>	<b>54.82%</b>	<b>60.32%</b>	<b>70.48%</b>	<b>78.00%</b>	<b>78.31%</b>	<b>85.02%</b>	<b>88.49%</b>	<b>88.60%</b>	<b>89.71%</b>	<b>90.02%</b>		
Comparison with 5 previous years (average)		<b>35.37%</b>	<b>44.38%</b>	<b>51.80%</b>	<b>58.08%</b>	<b>64.62%</b>	<b>71.35%</b>	<b>74.54%</b>	<b>77.02%</b>	<b>80.11%</b>	<b>84.52%</b>	<b>85.46%</b>	<b>89.76%</b>		



**OVERALL STATEMENT OF CONTRIBUTIONS (Euros)**  
as of 31 December 2008

**SITUATION RECAPITULATIVE DES CONTRIBUTIONS (Euros)**  
au 31 décembre 2008

States - Etats	Year Année	Contribution due	Received in 2008 Reçu en 2008	Outstanding contribution Restant dû
<b><u>Contributions for the year :</u></b> 175 356.38 € <i>Contributions de l'année</i>	2008	2 721 399.84	2 546 043.46	175 356.38
<b><u>Contributions for the previous years :</u></b> 84 604.19 € <i>Contributions échues des années précédentes</i>				
CUBA	2005	352.41	352.41	0.00
CUBA	2006	11 953.44	11 953.44	0.00
CUBA	2007	11 953.44	0.00	11 953.44
ISL, REP IRAN - République Islamique d'Iran	2006	3 134.53	0.00	3 134.53
ISL, REP IRAN - République Islamique d'Iran	2007	51 798.24	0.00	51 798.24
MOROCCO - Maroc	2006	312.52		312.52
MOROCCO - Maroc	2007	15 937.92	0.00	15 937.92
SAUDI ARABIA - Arabie Saoudite	2007	1 467.54	0.00	1 467.54
		<b>96 910.04</b>	<b>12 305.85</b>	<b>84 604.19</b>
FIJI	2007	7 968.96	7 968.96	0.00
GUATEMALA	2005	7 968.96	7 968.96	0.00
GUATEMALA	2006	7 968.96	7 968.96	0.00
GUATEMALA	2007	7 968.96	7 968.96	0.00
DPR KOREA - Rép.Dém. de Corée	2007	19 922.40	19 922.40	0.00
IRELAND - Irlande	2007	11 953.44	11 953.44	0.00
MYANMAR	2007	19 922.40	19 922.40	0.00
PHILIPPINES	2005	39 160.42	39 160.42	0.00
PHILIPPINES	2006	55 782.72	55 782.72	0.00
PHILIPPINES	2007	55 782.72	55 782.72	0.00
QATAR	2007	19 922.40	19 922.40	0.00
ROMANIA - Roumanie	2007	15 937.92	15 937.92	0.00
PAPUA NEW GUINEA - Papouasie Nouvelle Guinée	2007	7 968.96	7 968.96	0.00
SRI LANKA	2007	11 953.44	11 953.44	0.00
		<b>290 182.66</b>	<b>290 182.66</b>	<b>0.00</b>
<b><u>Suspended Member States :</u></b> 15 244.78 € <i>Etats membres suspendus</i>				
DOMINICAN REPUBLIC - République Dominicaine	1981	3 049.70	0.00	3 049.70
DOMINICAN REPUBLIC - République Dominicaine	1982	3 353.92	0.00	3 353.92
DEMOCR. REP. OF THE CONGO - Rep. Dem. Du Congo	1981	3 809.66	0.00	3 809.66
DEMOCR. REP. OF THE CONGO - Rep. Dem. Du Congo	1982	5 031.51	0.00	5 031.51
		<b>15 244.78</b>	<b>0.00</b>	<b>15 244.78</b>
		<b>3 123 737.32</b>	<b>2 848 531.97</b>	<b>275 205.35</b>

**DISTRIBUTION OF CASH BY CURRENCIES AS OF 1st JANUARY 2008 AND AS OF 31 DECEMBER 2008**

*REPARTITION DES AVOIRS FINANCIERS PAR DEVICES DU 1ER JANVIER 2008 AU 31 DECEMBRE 2008*

**The following tables give the distribution of investments and cash in the respective currencies.**

**The equivalent of each sum in EUR is shown in the last column to allow comparison.**

*Le tableau suivant présente la répartition des avoirs financiers détenus dans les différentes devises.*

*Leur équivalent en Euro est indiqué dans la dernière colonne.*

<b>on 1st January 2008 / Au 1er janv 2008</b>	U.s. dollars	Pound Sterling	E.U.R	Equivalent in EUR
Rates in EUR - Taux de change en EURO	1.471850	0.736800	1.000000	
- Dollars	350 225.16			237 948.95
- Dollars (Korea / Corée)	170 000.00			115 500.90
- Sterling		8 059.47		10 938.48
- EUROS			3 002 583.18	3 002 583.18
	<b>520 225.16</b>	<b>8 059.47</b>	<b>3 002 583.18</b>	<b>3 366 971.51</b>

<b>on 31 December 2008 / Au 31 Dec 2008</b>	U.s. dollars	Pound Sterling	E.U.R	Equivalent in EUR
Rates in EUR - Taux de change en EURO	1.409530	0.973530	1.000000	
- Dollars	131 148.39			93 044.06
- Dollars (Korea / Corée)	0.00			0.00
- Sterling		8 102.27		8 322.57
- EUROS			4 098 977.16	4 098 977.16
	<b>131 148.39</b>	<b>8 102.27</b>	<b>4 098 977.16</b>	<b>4 200 343.79</b>

<b>Valuation at / Valorisation au cours du :</b>				
31st December EUR rate / 31 décembre	93 044.06	8 322.57	4 098 977.16	
1st Jan. EUR rate / 1er janvier	89 104.45	10 996.57	4 098 977.16	
Gains on holdings - Profits de valorisation	3 939.60	0.00	0.00	<b>3 939.60</b>
Losses on holdings - Pertes de valorisation	0.00	2 674.00	0.00	<b>2 674.00</b>

**RETIREMENT FUNDS ASSETS ( In Euros)**  
**TRESORERIE DES FONDS DE RETRAITE (En Euros)**  
**As of 31 December 2008 - Au 31 Décembre 2008**

Designation	EUROS	Maturity date / Echéance	Performance
<b>CURRENT ACCOUNTS - COMPTES COURANTS</b>			
<b><u>1. HSBC Republic</u></b>			
Monte Carlo (c/a)	6 459.03		
<b><u>2. CMB</u></b>			
Monte Carlo (c/a)	70 216.95		
<i>Total C/A :</i>	<b>76 675.98</b>		
<b>DEPOSIT ACCOUNTS - COMPTES DE DEPOTS</b>			
<b><u>1. HSBC Republic</u></b>			
Monte Carlo (d/a) - at one year / à un an	1 775 000.00	30/12/09	2.06%
Monte Carlo (d/a) - at 6 months / à 6 mois	1 000 000.00	30/06/09	1.77%
<b><u>2. CMB</u></b>			
Monte Carlo (d/a)	230 000.00	20/03/09	2.15%
<i>Total D/A :</i>	<b>3 005 000.00</b>		
<b>TOTAL I.R.F / Total F.R.I :</b>			
	<b>3 081 675.98</b>		
<b><u>CMB</u></b>			
Monte Carlo (d/a) - External Pension Plans (d/a)	321 567.88	05/01/09	4.98%
<b>TOTAL RETIREMENT ACCOUNTS / Total des régimes de retraite :</b>			
	<b>3 403 243.86</b>		

**CASH IN BANK AND ON HAND AS OF 31 DECEMBER 2008**  
**TRESORERIE DISPONIBLE DE L'OHI AU 31 DECEMBRE 2008**

Designation	U.S. dollars 1.40953	Pound Sterling 0.97353	EURO 1.0000	Equivalent in EUR
Rate as of 31 December 2008				
<b>CURRENT ACCOUNTS - COMPTES COURANTS</b>				
<u>1. UBS</u> New York (c/a) - Account closed on Dec 2008.	0.00			0.00 €
<u>2. HSBC Republic</u> Monte Carlo (c/a) Monte Carlo (c/a) Monte Carlo (c/a)	128 159.39	8 047.27	166 383.01	166 383.01 € 90 923.47 € 8 266.07 €
<u>3. COMPAGNIE MONEGASQUE DE BANQUE</u> Monte Carlo (c/a)			92 831.29	92 831.29 €
<b>Total :</b>	<b>128 159.39</b>	<b>8 047.27</b>	<b>259 214.30</b>	<b>358 403.85 €</b>
<b>DEPOSIT ACCOUNTS - COMPTES DE DEPOTS</b>				
<u>1. HSBC Republic</u> Monte Carlo (d/a) - (Perf mensuelle : 1.42 % - échéance au 30/01/09) Monte Carlo (d/a) - (Perf mensuelle : 1.77 % - échéance au 12/01/09) Monte Carlo (d/a) - (Perf mensuelle : 2.22 % - échéance au 16/03/09) Monte Carlo (d/a) - (Perf mensuelle : 2.22 % - <b>Korea</b> - échéance au 16/03/09)			400 000.00 440 000.00 235 000.00 164 000.00	400 000.00 € 440 000.00 € 235 000.00 € 164 000.00 €
<u>2. CMB</u> CMB Monaco court terme (Performance trimestrielle : 2.07 %) Monte Carlo (d/a) - (Performance trimestrielle : 4.73 % - échéance au 04/02/09) Monte Carlo (d/a) - (Performance trimestrielle : 4.05 % - échéance au 05/02/09) Monte Carlo (d/a) - (Performance trimestrielle : 4.05 % - échéance au 06/02/09) Monte Carlo (d/a) - (Performance trimestrielle : 4.66% - échéance au 16/01/09) Monte Carlo (d/a) - (Performance trimestrielle : 3.44% - échéance au 26/02/09)			460 599.30 794 209.83 638 352.80 255 706.79 350 000.00 100 000.00	460 599.30 € 794 209.83 € 638 352.80 € 255 706.79 € 350 000.00 € 100 000.00 €
<b>Total :</b>	<b>0.00</b>	<b>0.00</b>	<b>3 837 868.72</b>	<b>3 837 868.72 €</b>
<b>PETTY CASH - ESPECES</b>				
- U.S. Dollars - U.K. Pounds - Euros	2 989.00	55.00	1 894.14	2 120.57 € 56.50 € 1 894.14 €
<b>Total :</b>	<b>2 989.00</b>	<b>55.00</b>	<b>1 894.14</b>	<b>4 071.20 €</b>
<b>GRAND TOTAL IN CURRENCIES / Total général en devises :</b>	<b>\$131 148.39</b>	<b>£8 102.27</b>	<b>€4 098 977.16</b>	<b>4 200 343.77 €</b>
<b>GRAND TOTAL in EUR / Total général en Euros :</b>	<b>€93 044.06</b>	<b>€8 322.57</b>	<b>€4 098 977.16</b>	<b>4 200 343.79 €</b>
<b>TOTAL RETIREMENT ACCOUNTS / Total des régimes de retraite :</b>				<b>3 403 243.86 €</b>
<b>TOTAL GENERAL :</b>				<b>7 603 587.63 €</b>

**TOTAL OPERATING STATEMENTS**  
**Compte de résultats**

	Budgeted Budget	Actual Réalisé	Surplus Excédent	Deficit
<b>Budget Income - Revenus</b>				
Contributions	2 681 555.04	2 721 399.84	39 844.80	
Interest - Intérêts	45 000.00	132 904.90	87 904.90	
Other resources - Autres ressources	170 620.00	153 893.86		-16 726.14
Total income - Revenu total	2 897 175.04	3 008 198.60	127 749.70	-16 726.14
<b>Result on income - Excédent de recettes</b>			<b>111 023.56</b>	<b>(A)</b>

<b>Budget Expenditure - Dépenses</b>				
Staff expenditure - Dépenses de personnel	-2 038 500.00	-1 962 804.99	75 695.01	
Current operating expenses - Dépenses de gestion courante	-515 076.00	-395 205.91	119 870.09	
Capital expenditure - Dépenses de capital	-74 200.00	-33 908.96	40 291.04	
Allocation to funds - Dotations aux fonds	-154 000.00	-154 000.00	0.00	
Total expenditure - Dépenses totales	-2 781 776.00	-2 545 919.86	235 856.14	0.00
<b>Result on expenditure - Budget non dépensé</b>			<b>235 856.14</b>	<b>(B)</b>

**Result before extra operations** 346 879.70 (A + B)  
*Résultat avant opérations exceptionnelles*

<b>Extraordinary operations - Opérations exceptionnelles</b>				
Interest on contributions - Intérêts sur contributions échues			12 561.14	
Extraordinary items - Autres opérations			10 572.80	
Exchange operations - Opérations de change			50 829.19	-13 896.78
Total extraordinary operations - Total des opérations except.			73 963.13	-13 896.78
<b>Result on extraordinary operations - Résultat net opérations except.</b>			<b>60 066.35</b>	<b>(C)</b>

Total Budget income - Revenu total budgété 2 897 175.04  
Total Budget expenditure - Dépenses totales budgétées -2 781 776.00  
**Extra Budget Income: 115 399.04 (D)**

<b>Result after extra operations</b>	<b>522 345.09 €</b>	<b>(A + B + C+D)</b>
<i>Résultat après opérations exceptionnelles</i>		

## FUNDS - Fonds (Eur)

### **CONFERENCE FUND - Fonds pour les Conférences H.I.**

The Conference Fund allows the expenses for the Intl. Hydrographic Conferences to be covered.

*Le fonds des conférences permet la couverture des dépenses des conférences hydrographiques internationales.*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	131 386.11	
Budget Allocation 2008 - <i>Dotation budgétaire pour 2008</i>	55 000.00	
Support from 2007 result - <i>Soutien en provenance du résultat 2007</i>	100 000.00	
	286 386.11	286 386.11
 <b><i>Preliminary Expenses - Dépenses préliminaires :</i></b>		
Installation of Conference - <i>Installation de la Conférence</i>	280.00	
Reprography - <i>Dépenses de reprographie</i>	250.00	
Commercial exhibition - <i>Réservation de l'exposition commerciale</i>	8 129.81	
	8 659.81	8 659.81
Amount of fund on 31st December 2008 - <i>Montant du fonds en fin d'année (31/12/2008)</i>		277 726.30 €

### **RENOVATION FUND - Fonds de rénovation**

The renovation fund is maintained to meet any major expenses incurred for renovation or modification of the building, not normally funded by the Government of Monaco.

*Le fonds de rénovation est maintenu pour couvrir toute dépense importante de modification ou de rénovation des locaux, dont le financement ne serait pas assuré par la Principauté de Monaco.*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	24 007.46	
Budget Allocation 2008 - <i>Dotation budgétaire pour 2008</i>	3 000.00	
Support from 2007 result - <i>Soutien en provenance du résultat 2007</i>	16 459.00	
	43 466.46	43 466.46 €

### **REMOVAL FUND**

This fund is for the removal of internationally recruited Directors and Professional Assistants.

*Ce fonds est destiné à couvrir les dépenses de déménagement des directeurs et personnel recrutés au plan international.*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	76 230.15	
Budget Allocation 2008 - <i>Dotation budgétaire pour 2008</i>	26 000.00	
Support from 2007 result - <i>Soutien en provenance du résultat 2007</i>	17 000.00	
	119 230.15	119 230.15 €

### **PRINTING FUND - Fonds d'impression des publications**

This fund is for any printing materials required at the IHB.

*Ce fonds est destiné à couvrir le coût du matériel d'impression requis pour les besoins du BHI.*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	73 792.73	
Budget Allocation 2008 - <i>Dotation budgétaire pour 2008</i>	0.00	
Amount of fund on 31st December 2008 - <i>Montant du fonds en fin d'année (31/12/2008)</i>	73 792.73	73 792.73 €

### **ABLOS CONFERENCE FUND**

The ABLOS fund meets the operational costs for a conference which is held every other year.

*Le fonds ABLOS couvre les dépenses d'une conférence qui se tient tous les 2 ans.*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	7 032.73	
<b><u>Income - Revenus :</u></b>		
Registration fees received - <i>Inscriptions reçues</i>	13 040.00	
<b><u>Expenses - Dépenses :</u></b>		
Participation paid to assist in ABLOS meeting - <i>Frais réglés pour assister à une réunion ABLOS.</i>	2 193.17	
Mr Nandan / Keynote speaker - <i>Frais de M. Nandan, procès-verbaliste</i>	3 000.00	
Overtime - <i>Heures supplémentaires</i>	2 232.20	
Coffee break - <i>Pauses café</i>	213.00	
Equipment - <i>Achat de petit équipement</i>	527.44	
Cleaning - <i>Dépenses d'entretien</i>	195.30	
	.....	8 361.11
Amount of fund on 31st December 2008 - <i>Montant du fonds en fin d'année (31/12/2008)</i>		<b><u>11 711.62 €</u></b>

### **GEBCO FUND - Fonds de la Carte bathymétrique des océans**

This fund has been created on January 2006 to record the income & expenditure of GEBCO activities and includes the subvention received every year by the Government of Monaco.

*Ce fonds a été créé en 2006 pour suivre l'activité liée à la GEBCO (recettes et dépenses), et inclut la subvention reçue chaque année du Gouvernement de la Principauté de Monaco.*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	12 497.69	
<b><u>Income - Revenus :</u></b>		
Sales of the publication "The History of GEBCO" - <i>Ventes de publications Gebco</i>	20.00	
Subvention from Monaco - <i>Subvention reçue de la Principauté de Monaco</i>	7 800.00	
	.....	7 820.00
<b><u>Expenses - Dépenses :</u></b>		
Participation paid to assist in GEBCO meeting - <i>Assistance financière à des participants</i>	3 947.47	
	.....	3 947.47
Amount of fund on 31st December 2008 - <i>Montant du fonds en fin d'année (31/12/2008)</i>		<b><u>16 370.22 €</u></b>

### **PRESENTATION LIBRARY FUND - Fonds de la bibliothèque de Présentation**

This fund is dedicated to the maintenance of a specific publication (Presentation Library).

*Ce fonds est dédié à l'évolution d'une publication spécifique (Bibliothèque de présentation)*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	49 236.31	
<b><u>Income - Revenus :</u></b>		
Sales of the publication "Presentation Library" - <i>Ventes de publications</i>	4 000.00	
	.....	4 000.00
<b><u>Expenses - Dépenses :</u></b>		
Sevenc's Contract 100 % "Completion of an IHO ECDIS portrayal model"	11 800.00	
<i>Contrat Sevenc's "Réalisation d'un modèle de représentation de l'ECDIS de l'OHI"</i>		
Equipment - <i>Petit matériel</i>	517.31	
	.....	12 317.31
Amount of fund on 31st December 2008 - <i>Montant du fonds en fin d'année (31/12/2008)</i>		<b><u>40 919.00 €</u></b>

**EMERGENCY RESERVE FUND - Fonds de réserve d'urgence**

Following the approval of FCCL 6/2003, the amount of the Emergency Reserve Fund shall not be less than 1/12th of the annual operating budget.

*Conformément à la lettre FCCL 6/2003 approuvée, le montant du fonds de réserve d'urgence ne devra pas être inférieur à 1/12ème du budget opérationnel annuel.*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	218 981.33
Additionnal allowance to meet Art.19 requirements of Financial regulations	
<i>Allocation complémentaire pour satisfaire les dispositions de l'article 19 du règlement financier</i>	4 217.00
	.....
Amount of fund on 31st December 2008 - <i>Montant du fonds en fin d'année (31/12/2008)</i>	<b>223 198.33 €</b>

**INTERNAL RETIREMENT FUND - Fonds de retraite interne (FRI)**

Amount of social liability on 1st January 2008 - <i>Montant de la dette sociale en début d'année</i>	3 084 452.69
Contributions received (from IHB & staff) - <i>Cotisations reçues (BHI et personnel)</i>	20 024.04
Interests received from Deposit Accounts - <i>Intérêts perçus par le fonds (D/A)</i>	134 942.40
Pensions payed from IRF - <i>Pensions réglées par le fonds (FRI)</i>	(148 763.02)
	.....
	3 090 656.11
Net increase of liability during the year - <i>Augmentation annuelle de la dette sociale</i>	28 772.00
Amount of social liability on 31st December 2008 - <i>Montant de la dette sociale en fin d'année</i>	<b>3 119 428.11 €</b>

**CAPACITY BUILDING FUND (CBF) - Fonds de renforcement des capacités**

The Circular Letter 87/2004 defines the CBF as a support to assist developing countries in building human and institutional capacities for the effective development of hydrographic surveying and nautical charting capabilities needed.

*La lettre circulaire 87/2004 définit le CBF comme un soutien visant à aider les pays en voie de développement à établir des capacités humaines et institutionnelles en vue du développement efficace des levées hydrographiques et de la cartographie marine dont ils ont besoin.*

Amount of fund on 1st January 2008 - <i>Montant du fonds en début d'année (01/01/2008)</i>	246 714.49
<b><u>Income - Revenus :</u></b>	
IHO Budget Allocation 2008 - <i>Dotation budgétaire de l'OHI pour 2008</i>	70 000.00
Support from the Republic of Korea - <i>Soutien reçu de la République de Corée</i>	65 822.60
Gain on exchange (conversion in Euros of the Korean Account held in US \$)	23 173.00
<i>Profits de change (conversion en Euros de fonds détenus en USD)</i>	
Interests received on net amount of financial support from the Rep. of Korea	5 409.38
<i>Intérêts perçus sur le montant net disponible en provenance de la Rép. De Corée</i>	.....
	411 119.47
<b><u>Expenses - Dépenses :</u></b>	
Activities supported by the Rep.of Korea - <i>Activités financées par la Rép. de Corée</i>	44 016.77
Activities supported by IHO Capacity Building Fund - <i>Activités financées par le fonds de l'OHI</i>	56 679.21
Bank charges and currency exchange on operations in USDollars	945.19
<i>Charges bancaires et opérations de change sur opérations en USD</i>	.....
	101 641.17
Amount of fund on 31st December 2008 - <i>Montant du fonds en fin d'année (31/12/2008)</i>	<b>309 478.30 €</b>
<i>(See details on pages 18 and 19 - Se reporter aux notes pages 18 &amp; 19)</i>	



## REVIEWED CAPACITY BUILDING WORK PROGRAMME

CBWP 2008 as proposed by CBC5 and included in IHOWP		Budget	Situation 31 December 2008	Spent up to 31 Dec 08	(+) (-)
<b>Task 2.2.1</b>	<b>Technical and Advisory Visits. Travel, subsistence and consultancy</b>				
	* SWPHC (Fiji and PNG) to be confirmed by SWPHC	20 000.00	Transferred to 2009	0.00	20 000.00
	* SAIHC (Angola, Malawi and Namibia) to be confirmed by SAIHC	13 500.00	Angola (Portugal and Norway June) - Completed Malawi (South Africa April) - Completed Namibia (South Africa) - Cancelled Total :	4 500.00 1 221.34 0.00	7 778.66
	* EAthC (Assessment to Guinea Bissau) to be confirmed by EAthC	7 500.00	cancelled	0.00	7 500.00
	* MBSHC (Israel, Lebanon, Libya and Syria) to be confirmed by MBSHC	10 000.00	Albania (Italy April-May) - Completed Lebanon (France 2nd Semestre) - transferred to 2009  Malta (Italy Sept-Oct) - Completed Rumania (France + IHB) - Completed Total :	1 294.02 0.00  2 012.68 1 419.70	5 273.60
		<b>51 000.00</b>		<b>10 447.74</b>	<b>40 552.26</b>
<b>Task 2.3.2</b>	<b>Technical Workshops, Seminars, Short Courses</b>				
	* MSI Technical Training Course (MBSHC & NIOHC)	20 000.00	MBSHC - Completed	7 420.14	12 579.86
		20 000.00	NIOHC postponed Nov 2009	0.00	20 000.00
	* MB Course in Brazil (MACHC)	12 000.00	24-28 November in Rio Janeiro - Completed	10 790.03	1 209.97
	* Regional Data Exchange Workshop (SEPHC)	10 000.00	28-31 October in Cartagena - Completed	6 746.54	3 253.46
	* ENC Production Course (MACHC)	16 000.00	Venezuela - postponed March 2009	0.00	16 000.00
	* Workshop on Port and Shallow Water surveys, S-44 (RSAHC)	10 000.00	Posponed March 2009	0.00	10 000.00
	* Technical support in developing regional hydro-cartographic plan (SWAthC)	5 000.00	Completed	5 157.32	-157.32
	* WB/IMO MEH Project Seminar (to be confirmed) (EAHC)	0.00	Cancelled	0.00	0.00
	* Conduct of Basic Practical Hydrographic Survey Course (EAthC)	15 000.00	Posponed March 2009	0.00	15 000.00
	* Regional Survey Team operation in Seychelles area (NIOHC)	30 000.00	Posponed January 2009	0.00	30 000.00
	* Support to Oman for on the job training on ENC in Pakistan (NIOHC)	6 000.00	Cancelled	0.00	6 000.00
	* Support to attend course Cat A and Cat B Bangladesh (2/2), Myanmar (2/2), Saudi Arabia (2/2), Seychelles (1/1), Sri Lanka (1/2) (NIOHC)	6 800.00	Cancelled	0.00	6 800.00
	* Support for 1 person to attend technical workshop in India on MBES (NIOHC)	0.00	Activity deleted, considered through Indian Course	0.00	0.00
	* Support 9 students fee and accommodation for QA course on MBES hydrographic surveying and post processing (EAHC)	12 500.00	Completed	11 020.00	1 480.00
	* Support 9 students fee and accommodation for QA course on ENC production (EAHC)	8 700.00	planned second semester in Thailand - Completed	8 637.87	62.13

REVIEWED AND UPDATED TASKS AT THE CBC6	Budget	Situation 31 December 2008	Spent up to 31 Dec 08	(+) (-)
Support to the development of Gulf of Honduras project. Provision of expert advice to the hydrographic survey phase to Belize, Guatemala and Honduras	9 267.00	Resources not spent in 2007 but requested to be postponed for 2008 - Completed	2 284.32	6 982.68
Multibeam Course (International) in India. To be funded with not expended resources provided by ROK as it was agreed with them.	36 000.00	Under coordination with Indian Navy HO - Completed	16 938.76	19 061.24
Technical workshop on ENC/ECDIS, in conjunction with 3rd RSAHC. Pakistan	6 500.00	Pending from 2007. In progress along with 3rd RSAHC in 2009.	0.00	6 500.00
Refresher Course on Survey Practices (1 week course RCMRD) (SAIHC)	18 000.00	1 week planned in Nairobi. Completed.	14 059.95	3 940.05
Briefing to Governing Council of Regional Centre for Mapping of Resources for Development (RCMRD) & Council of Ministers (SAIHC)	3 000.00	Request a director to go - Cancelled.	0.00	3 000.00
ENC QA Workshop with e-navigation basics (SWATHC)	7 200.00	Planned in Brazil - Completed	7 193.31	6.69
Cartographic Production training.	4 300.00	Planned in Mozambique - Posponed for 2009	0.00	4 300.00
Bridging advance Preparation of Project (SAIHC)	18 000.00	Planned in Madagascar - Posponed for 2009	0.00	18 000.00
	<b>274 267.00</b>		<b>90 248.24</b>	<b>184 018.76</b>

Balance of support from Korea *	105 628.04			
Balance of IHO CBF support	141 086.45			
<b><u>Amount of fund on 31st December 2007</u></b>		<b>246 714.49 €</b>		
<b><u>Income:</u></b>				
Allocation of budget 2008	70 000.00			
Support from the Rep.of Korea (96 881 \$) *	65 822.60	(opposed to 84 000 € originally awaited)		
Interests received on financial support from the Rep.of Korea *	5 409.38			
Gain on exchange (conversion in Euros of the Korean Deposit Account held in \$)	23 173.00			
		<b>164 404.98 €</b>		
<b><u>Expenses:</u></b>				
Activities supported by Korea *	44 016.77			
Charges associated to CBF supported by Korea (bank fees)*	283.63			
<i>Total :</i>	44 300.40			
Activities supported by IHO CBF	56 679.21			
Charges associated to IHO CBF (bank fees & loss/gain on exchange)	661.56			
<i>Total :</i>	57 340.77			
		<b>-101 641.17 €</b>		
<b><u>Total available:</u></b>		<b>309 478.30 €</b>		
		<i>* (Including part available from Korea support) : 155 732.62 €</i>		

KOREA

**Frank MOREL**  
**14, Boulevard des Moulins**  
**MONACO**

**INTERNATIONAL HYDROGRAPHIC  
BUREAU**

**4, Quai Antoine Ier**  
**MONACO**

**AUDITOR'S REPORT**  
**For financial year ending 31 December 2008**



Dear Sir or Madam,

In accordance with the task entrusted to me by the Finance Committee at the International Hydrographic Conference, held from 7 to 11 May 2007, and in application of the provisions of Article 20 of the Financial Regulations of the International Hydrographic Organization, completed by Administrative Resolutions R5.1 and R5.2 accepted on 30 April 2004, I am pleased to submit my report on the accounts for the year 2008.

These annual accounts, closed by the Directing Committee, which reveal a net profit of € 522.345,09 are presented in the following forms:

- traditional presentation;
- international presentation.

I have ensured that the only difference between these two documents is one of presentation and that they have been prepared based on the same figures. They have been prepared following the same procedures and using the same methods of analysis as for the past financial year.

My task, which consists of expressing an opinion on these annual accounts, has been conducted in such a way as to be reasonably sure that they do not contain any significant irregularities. I have undertaken this task with the care that I considered necessary and I have made random checks on the operations carried out during the 2008 financial year. I have in particular verified the cash in hand and the liquid assets or negotiable securities.

In my opinion, the accounts which are submitted for your approval accurately reflect the financial situation of the International Hydrographic Bureau as at 31 December 2008, as well as the operations and the result of the 12 month financial period, closed on that date.

Monaco, 20 April 2009

Auditor



F. MOREL

**Frank MOREL**  
**14, Boulevard des Moulins**  
**MONACO**

**BUREAU HYDROGRAPHIQUE  
INTERNATIONAL**

**4, Quai Antoine 1er**  
**MONACO**

**RAPPORT DU COMMISSAIRE AUX COMPTES**  
**Exercice clos le 31 Décembre 2008**



Mesdames, Messieurs,

En exécution de la mission qui m'a été confiée par la Commission des finances à la Conférence Hydrographique Internationale qui s'est tenue du 7 au 11 Mai 2007, conformément aux dispositions de l'article 20 du Règlement Financier de l'Organisation Hydrographique Internationale, complété par les résolutions administratives R5.1 et R5.2 validées le 30 Avril 2004, j'ai l'honneur de vous présenter mon rapport sur les comptes de l'exercice 2008.

Ces comptes annuels, arrêtés par le Comité de Direction et qui font apparaître un profit net de 522.345,09 €, sont présentés sous les formes suivantes :

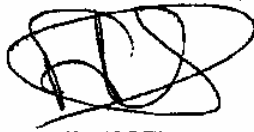
- Présentation traditionnelle ;
- Présentation internationale.

Je me suis assuré que seule une différence de présentation existait entre ces deux documents, réalisés à partir des mêmes éléments comptables. Ils ont été établis selon les mêmes formes et au moyen des mêmes méthodes d'évaluation que l'exercice précédent.

Ma mission, qui consiste à exprimer une opinion sur ces comptes annuels, a été réalisée de manière à obtenir l'assurance raisonnable qu'ils ne comportent pas d'anomalies significatives. J'ai accompli les diligences que j'ai estimées nécessaires et j'ai examiné, par sondages, les opérations réalisées pendant l'exercice 2008. J'ai notamment vérifié la caisse et les valeurs disponibles ou négociables.

A mon avis, les comptes qui sont soumis à votre approbation reflètent d'une manière sincère la situation financière du Bureau Hydrographique International au 31 Décembre 2008, ainsi que les opérations et le résultat de l'exercice de 12 mois, clos à cette date.

Monaco, le 20 Avril 2009  
Le Commissaire aux Comptes,

A handwritten signature in black ink, consisting of several overlapping loops and a horizontal stroke at the bottom.

F. MOREL

## PROGRAMME DE TRAVAIL DE L'OH1 POUR 2009 (version actualisée du 24 avril 2009)

<b>Programme 1 - Coopération avec les Etats membres et avec les Organisations internationales</b>		
<b>Elément 1.1 - Coopération avec les Etats membres</b>		COMMENTAIRES
<b>Tâche 1.1.1</b>	Commission hydrographique nordique (CHN)	
<b>Tâche 1.1.3</b>	Commission hydrographique de l'Asie orientale (CHAO)	
<b>Tâche 1.1.4</b>	Commission hydrographique des USA et du Canada (CHUSC)	
<b>Tâche 1.1.5</b>	a) Commission hydrographique de la Méditerranée et de la mer Noire (CHMMN) b) Groupe de travail de la CHMMN sur la mer Noire et la mer d'Azov	
<b>Tâche 1.1.6</b>	Commission hydrographique de la mer Baltique (CHMB)	
<b>Tâche 1.1.9</b>	Commission hydrographique du Pacifique sud-ouest (CHPSO)	
<b>Tâche 1.1.10</b>	Commission hydrographique de la Més0-Amérique et de la mer des Caraïbes (CHMAC)	
<b>Tâche 1.1.11</b>	Commission hydrographique de l'Afrique et des îles australes (CHAIA)	
<b>Tâche 1.1.12</b>	Commission hydrographique de la zone maritime ROPME (CHZMR)	En suspens depuis 2008. Doit se tenir au BHI les 8-9 juin 2009
<b>Tâche 1.1.13</b>	Commission hydrographique de l'océan Indien septentrional (CHOIS)	
<b>Tâche 1.1.14</b>	Commission hydrographique de l'Atlantique sud-ouest (CHAtSO)	
<b>Tâche 1.1.15</b>	Commission hydrographique sur l'Antarctique (CHA)	
<b>Tâche 1.1.16</b>	Comité de coordination interrégional (IRCC)	
<b>Tâche 1.1.18</b>	CHR oeuvrant pour achever la couverture des ENC pour tous les autres types de navires	
<b>Tâche 1.1.20</b>	Les CHR et le secteur hydrographique industriel	
<b>Elément 1.2 - Coopération avec les Organisations internationales</b>		COMMENTAIRES
<b>Tâche 1.2.1</b>	Nations Unies (NU)	
<b>Tâche 1.2.2</b>	Organisation maritime internationale (OMI)	
	* ASSEMBLEE	
	* COMSAR	
	* NAV	

	* MSC	
	* TCC	
<b>Tâche 1.2.3</b>	Commission océanographique intergouvernementale (COI)	
	* Assemblée	
	* Groupe d'experts du GLOSS	
<b>Tâche 1.2.4</b>	Association internationale de signalisation maritime (AISM)	
<b>Tâche 1.2.5</b>	Association cartographique internationale (ACI)	
<b>Tâche 1.2.6</b>	Fédération internationale des géomètres (FIG)	
<b>Tâche 1.2.7</b>	Association internationale des ports (AIP)	
<b>Tâche 1.2.8</b>	Organisation internationale de normalisation (ISO/TC211)	
<b>Tâche 1.2.9</b>	Commission électrotechnique internationale (CEI)	
<b>Tâche 1.2.10</b>	Réunions des parties consultatives du Traité sur l'Antarctique (RCTA)	
<b>Tâche 1.2.11</b>	Institut panaméricain de géographie et d'histoire (IPGH)	
<b>Tâche 1.2.12</b>	Association de gestion portuaire d'Afrique occidentale et centrale (AGPAOC) et Organisation maritime de l'Afrique occidentale et centrale (OMAO)	
<b>Tâche 1.2.13</b>	Conseil des directeurs des programmes nationaux relatifs à l'Antarctique (COMNAP)	Séminaire sur l'hydrographie au Conseil COMNAP
<b>Tâche 1.2.14</b>	Association internationale des organisateurs de voyages dans l'Antarctique (IAATO)	
<b>Tâche 1.2.15</b>	Comité scientifique pour les recherches antarctiques (SCAR)	
<b>Tâche 1.2.16</b>	Autres organisations internationales	
	* DGIWG	
	* Ecole de l'OTAN	
	* GEO	
	* Union européenne	
	* Conseil mixte des associations d'informations géospatiales (JB-GIS)	
	* Comité international radio-maritime (CIRM)	

	<b>Elément 1.3 - Coopération avec les Etats non membres</b>	
<b>Tâche 1.3.1</b>	Commission hydrographique de l'Atlantique oriental - Elaboration d'une stratégie	
<b>Tâche 1.3.2</b>	Commission hydrographique du Pacifique sud-ouest - Elaboration d'une stratégie	

<b>Tâche 1.3.3</b>	Commission hydrographique de la Mésio-Amérique et de la mer des Caraïbes - Elaboration d'une stratégie	
<b>Tâche 1.3.4</b>	Commission hydrographique de l'Afrique et des îles australes - Elaboration d'une stratégie	
<b>Tâche 1.3.5</b>	Commission hydrographique de la zone maritime ROPME - Elaboration d'une stratégie	
<b>Tâche 1.3.6</b>	Commission hydrographique de l'océan Indien septentrional - Elaboration d'une stratégie	
<b>Tâche 1.3.7</b>	Commission hydrographique de la mer Baltique - Elaboration d'une stratégie	
<b>Tâche 1.3.8</b>	Commission hydrographique de la mer Méditerranée et de la mer Noire - Elaboration d'une stratégie	

### **Programme 2 - Renforcement des capacités**

#### **Elément 2.1 - Gestion du renforcement des capacités**

		COMMENTAIRES
<b>Tâche 2.1.1</b>	Sous-Comité de l'OHI sur le renforcement des capacités (CBSC de l'OHI)	
<b>Tâche 2.1.2</b>	Fonds pour le renforcement des capacités (CBFund)	
<b>Tâche 2.1.3</b>	Réunions avec d'autres organisations, des agences de financement, le secteur privé et les universités	
<b>Tâche 2.1.4</b>	Stratégie de l'OHI en matière de renforcement des capacités	
<b>Tâche 2.1.5</b>	Programme de travail sur le renforcement des capacités (CBWP)	
<b>Tâche 2.1.6</b>	Suivi des activités et des initiatives de CB. Elaboration des procédures	
<b>Tâche 2.1.7</b>	Normes de compétence pour les hydrographes et les spécialistes en cartographie marine (CCI)	
<b>Tâche 2.1.8</b>	Formation en hydrographie et en cartographie marine	

#### **Elément 2.2 - Evaluation du renforcement des capacités**

<b>Tâche 2.2.1</b>	Visites techniques et de conseil. Voyage, frais de subsistance et services de consultants	
	* Commission hydrographique de l'Asie orientale (visites techniques)	
	* Commission hydrographique du Pacifique sud-ouest (visites de conseil)	
	* Commission hydrographique de la Méditerranée et de la mer Noire (visite de conseil), Liban, en suspens depuis 2008	
<b>Tâche 2.2.2</b>	S-55 - Etat des levés hydrographiques et de la cartographie marine dans le monde	
<b>Tâche 2.2.3</b>	Procédures d'évaluation	



	<b>Elément 2.3 Apport en renforcement des capacités</b>	
<b>Tâche 2.3.1</b>	Accroître la prise de conscience de l'importance de l'hydrographie	
<b>Tâche 2.3.2</b>	Ateliers techniques, séminaires, cours de brève durée	
	Atelier sur les levés portuaires et en eaux peu profondes, S-44 (CHMB)	SUPPRIME. Le Président de la CHR a confirmé que l'appui du CBSC n'était pas nécessaire pour cette activité.
	Cours de formation sur la production des cartes et les ENC (CHAtSO, CHMAC et CHPSE)	
	Séminaire à l'intention des présidents des Comités hydrographiques nationaux (CHPSO et CHAIA)	
	Cours de formation technique sur les RSM (CHZMR et CHAtO) + CHOIS conjointement avec la CHZMR	CHOIS en suspens depuis 2008
	Atelier sur les opérations de l'équipe hydrographique régionale (CHOIS)	Le Président de la CHR doit confirmer cette activité et en fournir les détails
	Assurance de la qualité en matière de levés multifaisceaux et de leur exploitation (CHAO)	
	Assurance de la qualité en matière de production des ENC (CHAO)	
	Conseil relatif à l'élaboration d'un plan national de levés prioritaires pour les Seychelles (CHAIA)	
	Cours multifaisceaux du Groupe de cartographie océanique (CHAtSO, CHMAC et CHPSE)	
	Atelier technique sur les cartes et les plans de découpage internationaux (CHZMR)	Reporté en 2010 si le cours est toujours nécessaire
	Cours de levés hydrographiques pratiques élémentaire + diverses notions de cartographie et d'ENC (CHMAC)	En suspens depuis 2008
	Atelier sur les levés portuaires et en eaux peu profondes S-44 (CHZMR)	En suspens depuis 2008
	Cours de levés hydrographiques pratiques élémentaire (CHAtO)	En suspens depuis 2008
	Projet du golfe du Honduras (CHMAC)	En suspens depuis 2008
	Fonctionnement de la mission d'étude régionale dans la zone des Seychelles (CHOIS)	En suspens depuis 2008
	Atelier technique sur les ENC/ECDIS en conjonction avec la 3 <sup>e</sup> CHZMR, octobre (en suspens depuis 2007)	Reporté en 2010 si le cours est toujours nécessaire.
	Formation à la production cartographique pour le Mozambique	En suspens depuis 2008
	Cours de 5 semaines sur la production des ENC, dispensé par le RU dans la région, au premier trimestre 2008 (CHOIS)	A examiner ultérieurement par le CBC en fonction des ressources disponibles

	Formation (CHAIA, Madagascar)	Conditionnelle, en fonction des résultats obtenus à l'étape 1 (2008), si le soutien est approuvé, et des renseignements complémentaires qui seront demandés sur les activités, le coût, etc.
<b>Tâche 2.3.3</b>	Cours d'hydrographie et de cartographie marine	
<b>Tâche 2.3.4</b>	Formation continue (sur terre et en mer)	
<b>Tâche 2.3.5</b>	Projets nautiques et maritimes	
	* Projet d'autoroute maritime électronique (déroit de Malacca)	
	* Mise en place d'une autoroute maritime (océan Indien occidental)	
	* Sécurité de la navigation sur le lac Victoria	
<b>Tâche 2.3.6</b>	Accords bilatéraux	

**Programme 3 - Coordination et soutien apportés aux techniques et aux normes**

**Elément 3.1 - Réunions des Comités et des groupes de travail**

		COMMENTAIRES
<b>Tâche 3.1.1</b>	Comité des services et des normes hydrographiques (HSSC)	
<b>Tâche 3.1.2</b>	Groupe de travail sur la maintenance et le développement d'applications de la norme de transfert (TSMAD)	
<b>Tâche 3.1.3</b>	Groupe de travail sur la standardisation des cartes et sur les cartes papier (CSPCWG)	
<b>Tâche 3.1.4</b>	Groupe de travail sur la présentation des cartes numériques (DIPWG)	
<b>Tâche 3.1.5</b>	Groupe de travail sur la normalisation des publications nautiques (SNPWG)	
<b>Tâche 3.1.6</b>	Groupe de travail sur le dispositif de protection des données (DPSWG)	
<b>Tâche 3.1.7</b>	Groupe d'harmonisation des objets sur l'information maritime (HGMIO)	DISSOUT
<b>Tâche 3.1.8</b>	Comité sur le dictionnaire hydrographique (S-32)	
<b>Tâche 3.1.9</b>	Diffusion des avertissements radio de navigation (DARN)	
<b>Tâche 3.1.10</b>	Normes de l'OHI pour les levés hydrographiques (S-44) (GT sur la S-44)	DISSOUT
<b>Tâche 3.1.11</b>	Groupe de travail sur les marées et sur les niveaux des eaux (TWLWG)	
<b>Tâche 3.1.12</b>	Comité sur la base de données mondiale pour les ENC (WEND)	DISSOUT à compter du 1 <sup>er</sup> janvier 09
	Groupe de travail du WEND	DISSOUT à compter du 1 <sup>er</sup> janvier 09
<b>Tâche 3.1.13</b>	Comité directeur de la GEBCO	
<b>Tâche 3.1.14</b>	Sous-comité technique de la GEBCO sur la cartographie des océans (GEBCO TSCOM)	

<b>Tâche 3.1.15</b>	Sous-comité de la GEBCO sur les noms du relief sous-marin (GEBCO SCUFN)	
<b>Tâche 3.1.16</b>	Comité consultatif sur le Droit de la mer (ABLOS)	
<b>Tâche 3.1.17</b>	Groupe de travail mixte Primar/IC-ENC d'experts techniques (JTEWG)	
<b>Tâche 3.1.18</b>	GT sur l'hydrographie et la cartographie des eaux intérieures (nouveau GT, selon décision de la XVIIe CHI)	DISSOUT
<b>Tâche 3.1.19</b>	GT sur la qualité des données (DQWG)	
<b>Tâche 3.1.20</b>	Groupe de travail sur la mise à jour des ENC (EUWG)	

	<b>Elément 3.2 - Levés hydrographiques</b>	
<b>Tâche 3.2.1</b>	Publication S-44	
<b>Tâche 3.2.2</b>	Manuel d'hydrographie	
<b>Tâche 3.2.3</b>	Dictionnaire hydrographique	
<b>Tâche 3.2.4</b>	Publications du GT sur les marées et sur les niveaux des eaux	
<b>Tâche 3.2.5</b>	Publications hydrographiques (dont aucun organe spécifique n'est chargé)	

	<b>Elément 3.3 Cartographie marine</b>	
<b>Tâche 3.3.1</b>	Publications nautiques	
<b>Tâche 3.3.2</b>	Protection des données numériques	
<b>Tâche 3.3.3</b>	Liaison et coopération avec les autres organisations	
<b>Tâche 3.3.4</b>	Production, distribution et tenue à jour des ENC	
<b>Tâche 3.3.5</b>	Série de cartes INT	

	<b>Elément 3.4 Renseignements sur la sécurité maritime (RSM)</b>	
<b>Tâche 3.4.1</b>	Elargissement de la DARN	
<b>Tâche 3.4.2</b>	Coordinateurs de zones NAVAREA	
<b>Tâche 3.4.3</b>	Publications DARN	

	<b>Elément 3.5 - Données pour les applications géomatiques</b>	
<b>Tâche 3.5.1</b>	Développement des normes	
<b>Tâche 3.5.2</b>	GT sur l'infrastructure maritime des données spatiales	

	<b>Elément 3.6 - Aspects techniques du Droit de la mer</b>	
<b>Tâche 3.6.1</b>	Conférences ABLOS	Reportées en octobre 2010
<b>Tâche 3.6.2</b>	Manuel sur les aspects techniques du Droit de la mer (Manuel TALOS)	
<b>Tâche 3.6.3</b>	Assistance technique du Groupe de travail TALOS	

	<b>Elément 3.7 - Programme de cartographie océanique</b>	
<b>Tâche 3.7.1</b>	Bathymétrie en eaux peu profondes	
<b>Tâche 3.7.2</b>	Intégration des données bathymétriques	
<b>Tâche 3.7.3</b>	Cartes et quadrillages numériques	
<b>Tâche 3.7.4</b>	Nouveaux produits	
<b>Tâche 3.7.5</b>	Enseignement global	
<b>Tâche 3.7.6</b>	Centre de données de l'OHI pour la bathymétrie numérique	
<b>Tâche 3.7.7</b>	Projets de cartes bathymétriques internationales	
<b>Tâche 3.7.8</b>	Publications de la GEBCO	

	<b>Programme 4 - Gestion de l'information et relations publiques</b>	
	<b>Elément 4.1 - Gestion de l'information</b>	COMMENTAIRES
<b>Tâche 4.1.1</b>	Maintenance et développement du site Web de l'OHI	
	Développement et maintenance de services cartographiques sur le Web (par ex. Catalogue de l'OMI)	
<b>Tâche 4.1.2</b>	Communications entre le BHI et les Etats membres par lettres circulaires	
<b>Tâche 4.1.3</b>	Publications de l'OHI	
<b>Tâche 4.1.4</b>	Bibliothèque technique du BHI	

	<b>Elément 4.2 Relations publiques</b>	
<b>Tâche 4.2.1</b>	Relations avec le gouvernement de Monaco et les autres autorités	
<b>Tâche 4.2.2</b>	Journée mondiale de l'hydrographie	
<b>Tâche 4.2.3</b>	Communications avec l'industrie hydrographique	
<b>Tâche 4.2.4</b>	Communiqués de presse	
<b>Tâche 4.2.5</b>	Fourniture d'articles sur l'OHI	
<b>Tâche 4.2.6</b>	Soutien aux relations publiques	
<b>Tâche 4.2.7</b>	Publicité	

<b>Programme 5 - Développement général de l'Organisation</b>		
<b>Elément 5.1 - OHI</b>		COMMENTAIRES
<b>Tâche 5.1.1</b>	Nouvelle structure de l'OHI	
<b>Tâche 5.1.2</b>	Programme de travail et budget de l'OHI	
<b>Tâche 5.1.3</b>	Plan stratégique de l'OHI. Nouveau groupe de travail sur le plan stratégique de l'OHI (ISPWG)	
<b>Tâche 5.1.4</b>	Comité consultatif juridique de l'OHI	
<b>Elément 5.2 - BHI</b>		
<b>Tâche 5.2.1</b>	Administration du BHI	
<b>Tâche 5.2.2</b>	Règlement du personnel du BHI	
<b>Tâche 5.2.3</b>	Service de traduction du BHI	
<b>Tâche 5.2.4</b>	Procédures financières du BHI	
<b>Tâche 5.2.5</b>	Manuel des procédures du BHI en ce qui concerne les activités permanentes	
<b>Tâche 5.2.6</b>	Formation du personnel	
<b>Tâche 5.2.7</b>	Maintenance	
<b>Tâche 5.2.8</b>	Achat d'équipement informatique, de mobilier et d'autre matériel	
<b>Tâche 5.2.9</b>	Déménagement des Directeurs et des AT bénéficiaires	
<b>Elément 5.3 - Conférences hydrographiques internationales</b>		
<b>Tâche 5.3.1</b>	4e Conférence H.I. extraordinaire	