

**REPORT OF THE 33rd MEETING OF THE FIG/IHO/ICA
INTERNATIONAL ADVISORY BOARD ON STANDARDS OF COMPETENCE
FOR HYDROGRAPHIC SURVEYORS AND NAUTICAL CARTOGRAPHERS**

1. Venue and attendance

The 33rd meeting of the FIG/IHO/ICA International Board was held from 1st to 5 March 2010 at the Hotel Normandie, Port of Spain, Trinidad, hosted by the Mr. David Neale (FIG)..

The following were present:

Mr. Johnston (Chairman) (FIG)
Dr. Tsoulos (Vice-Chairman) (ICA)
Dr. Surace (Vice-Chairman) (IHO)

FIG Members	IHO Members	ICA Members
Prof. Razali Mahmud	Capt. Armstrong	Mr. Ron Furness
Mr. David Neale	Prof. Egge	
Mr Adam Greenland		

Cdre. Nair.(IHO) apologized for not being able to attend the meeting.
Capt. Bermijco apologised for being unable to attend due to personal reasons. .

The Chair expressed the sympathy of the Board to the representatives from Chile with regard to the recent tragedy caused by the earthquake in Chile.

The Agenda was adopted, including some new topics for discussion
The minutes of the 32nd meeting were reviewed and agreed.
The actions from the 32nd meeting were reviewed and agreed including the letters to the successful and re-submitting institutions.

2. Summary Report

The update & review to S-5 – has been more difficult but is now nearing completion at this meeting with an element to reflect the Individual recognition and updated sections within the Essential and Optional subjects. Since the last Board meeting the update to S-8 is completed and essentially ready to go

During the year a number of enquiries regarding the Standards were received and dealt with. A steady flow of clarification questions with regards to re-submissions & notifications of new course submissions have been dealt with. Courses proposing to submit in the next 2011 or 2012 include – Singapore based Cat B, France Cat B for S-8 Cartography, Canada Maritime Institute, Turkey and possibly several others who had made enquiries.

During the year a key presentation was made by Captain Armstrong at Hydro'09 Cape Town. The Chair presented to the FIG Regional Conference in Hanoi. Several other papers were presented in relation to training and capacity building..

Looking forward the next few months it is planned that the FIG publication entitled “The Economic Benefits of Hydrography” will be confirmed as a web publication.

3. Recognised Courses

The Chair informed the members about the following items:

The lack of a submission from the Argentinean Hydrographic School, after several years of delay has created some difficulty as it was hoped that a re-submission would be received. However in accordance with the Board rules, the Board has reluctantly concluded that the Course has lost recognition and was to be informed by a letter from the Chairman.

The polytechnic of Hong Kong Category A course had not responded to the letter from the Chair reminding them of the submission dates. On further enquiry the Polytechnic confirmed they wished to re-submit but were unable to do so for 2010 and requested an extension to 2011 as they were re-structuring their organization and this may impact on the course. The extension was agreed.

4. Reviews

The Board was grateful to Dr. Jonathon Illiffe of the University College of London and Mr. John Pinder of the Port of London, both UK;

Professor Hans Schenke of the TECHAWI, Germany, Capt. Wesley Cavalliero and Captain Sanderson from DHN, Brazilian Navy and First Lt.s C. Zuniga and Pedro, representatives from SHOA, Chile who attended the meeting, gave presentations of their institutions and helped the Board to clarify some aspects of their programmes, responding to the questions of the Board members about different topics.

COURSE	DECISION
Specialization Course in Hydrography of the Chilean Hydrographic and Oceanographic Service.	RECOGNISED
MSC in Hydrographic Surveying of the University College of London/ Port of London Authority	RECOGNISED
LSGI Hydrographic post-graduated Diploma of the Polytechnic University of Hong-Kong	DELAYED
L'Ecole Nationale Supérieure des Ingénieurs des Etudes et Techniques d'Armement (ENSIETA) of the "SHOM" France.	RECOGNISED
Course Programme in Hydrography at TECHAWI	RECOGNISED
Course Programme in Geomatics and Hydrography of the HafenCity University of Applied Sciences	RECOGNISED
Course in Hydrography for Naval Officers of Brazilian Navy, Brazil.	RECOGNISED
Course in Hydrography of Brazilian Navy. Brazil. Cat B.	RECOGNISED

8. Future recognitions and re-recognitions

There are a number of planned re-submissions that should be received in 2011, in accordance with the schedule approved:

COURSE	Last recognition	
LSGI Hydrographic post-graduated Diploma of the Polytechnic University of Hong-Kong	2001	
International Hydrographic Management and Engineering Program of the Naval Oceanographic Office (USA)	1999	
Joint International Hydro-graphic Applied Science Program of the University of Southern Mississippi-NAVOCEANO (USA)	2000	
Graduate Programme in Ocean Mapping of the Joint Hydrographic Center/ University of New Hampshire (UNH) and National Oceanic and Atmospheric Administration (NOAA), USA	2001	

Hydrographic Surveyors Programme of the Naval Academy of Colombia	2001	
Advanced Training Course On Hydrography For Officers - Epsom (France)	2003	
Specialization Course in Hydrography of the Portuguese Naval Hydrographic Institute	2003	

5. Review of S-5 “Standards of Competence for Hydrographic Surveyors” and S-8 “Standards of Competence for Nautical Cartographers”

The Board updated a final draft of both S-5 11th edition. S-8 includes amendments that are consistent with some of the updates in S-5 and the approval of the 3rd edition of these Standards is now concluding.

6. Other Items of Work

- 1) The Chair and secretary met during the year to check on the progress of actions and other matters that arise during the year. This productive session enables the Chair (and the Board) to remain focused on the key tasks and items achievable for the Board.
- 2) The Terms of reference: This document had not been updated for several years and so the Board took the opportunity to update the Terms of Reference.
- 3) The election of Board officers: As the Chair had completed 3 years a new chair could be appointed. The following was decided by the Board:

Chair – Gordon Johnston until 31st Dec 2010. then:
 Chair – Dr. Lysandros Tsoulos (ICA)
 1st Vice Chair – Luciano Surace (IHO)
 2nd Vice Chair – Razali Mahmud (FIG)

7. Date/Venue of the next meeting

Following the kind invitation of the Hydrographer of the US Navy, the 34th IB Meeting will be held in the USA, possibly at Stennis Space Centre or New Orleans, most probably during the first week in May 2011. Confirmation will be made at a later date.

8. Close of the meeting

The Chairman closed the meeting at 16:30 on 5 March.

ANNEX I

LIST OF MEMBERS

NAME	Country	ADDRESS	PHONE	FAX/ e-mail
Mr. Gordon JOHNSTON (FIG) – Chairman	U.K.	67 Devon Road Cheam Surrey England, SM2 7PE	(44)(0) 208 661 1650 (44) (0) 7966 937369	gordon.johnston1@orange.net
Dr. Lysandros TSOULOS (ICA) – Vice-Chairman 1	Greece	Professor NTUA Cartography Laboratory National Technical University of Athens 9 H. Polytechniou Zographou 15780 Athens	30 210 7722730 306944472177 (mobile)	30 210 7722734 lysandro@central.ntua.gr
Dr. Luciano SURACE (IHO) – Vice-Chairman 2	Italy	Istituto Idrografico ella Marina Passo Osservatorio 4 16100 Genova	39 010 2443363 328 5470194	39 010 2443364 luciano.surace@libero.it
Capt. Federico BERMEJO (IHB) Secretary	Monaco	International Hydrographic Bureau 4 Quai Antoine 1 ^{er} BP 445 MC 98011 Monaco	(377)-93-108107	(377)-93-108140 fbermejo@ihb.mc
Capt. Andy ARMSTRONG (IHO)	USA	University of New Hampshire Joint Hydrographic Center Ocean Engineering Lab 24 Colovos Road Durham, NH 03824	1-(603) 862 4559 12406766090 (mobile)	603 862 0839 andy.armstrong@unh.edu andy.armstrong@noaa.gov
Dr. Delf EGGE (IHO)	Germany	Department Geomatik HafenCity Universitaet Hamburg Hebebrandstr. 1 D-22297 Hamburg	(49) (40) 42827 5366	(49) (40) 42827 5399 delf.egge@hcu-hamburg.de
Mr Ron FURNESS (ICA)	Australia	93 Ashworth Avenue Belrose 2085.	61 2 9451-9003 61 405 576 196	61 2 9975-3169 rfurness@ozemail.com.au
Mr. Adam GREENLAND (FIG)	New Zealand		DD +64 4 460 0136 Fax +64 4 460 0575 Mob 027 279 8243	agreenland@linz.govt.nz

Dr. Mohd Razali MAHMUD (FIG)	Malaysia	Faculty of Geoinformation Science & Engineering University Teknologi Malaysia 81310 UTM Skudai Johor Darul Takzim	6075530827 60197291109	607 5530827 razalimahmud@utm.my razali.mahmud@gmail.com
Cdre. K.M. NAIR (IHO)	India	National Hydrographic Office 107-17 Rajpur Road Post Box 75 Dehra Dun	+918322582800	+918322585293 km.nair.km@gmail.com
Mr. David NEALE (FIG)	Trinidad & Tobago	LANE Associates Unit G Humphrey's Street The Film Centre St. James Trinidad West Indies	8686284302	8686285017 david.neale@caneassociates.com

ANNEX II

COURSES TO REVIEW IN 2011

COURSE	Last recognition	Years recognized
International Hydrographic Management and Engineering Program of the Naval Oceanographic Office (USA)	1999	12
Joint International Hydro-graphic Applied Science Program of the University of Southern Mississippi-NAVOCEANO (USA)	2000	11
Graduate Programme in Ocean Mapping of the Joint Hydrographic Center/ University of New Hampshire (UNH) and National Oceanic and Atmospheric Administration (NOAA), USA	2001	10
Hydrographic Surveyors Programme of the Naval Academy of Colombia	2001	10
Advanced Training Course On Hydrography F-r Officers - Epsom (France)	2003	8
Specialization Course in Hydrography of the Portuguese Naval Hydrographic Institute	2003	8

