

# **FINAL REPORT OF THE XVIIth MEETING OF THE FIG/IHO INTERNATIONAL ADVISORY BOARD OF STANDARDS OF COMPETENCE FOR HYDROGRAPHIC SURVEYORS**

## **1. Location and attendance**

The XVIIth meeting of the FIG/IHO Advisory Board was held at the Western Australia Maritime Museum, Fremantle, Western Australia, from 28 February to 4 March 1994. The following were present :

Mr. Razali B. Ahmad (FIG)  
Captain José Cardoso (IHO)  
Captain Hugo Gorziglia (IHO)  
Commander Gerald Mills (Chairman) (IHO)  
Dr. David Wells (FIG)  
Mr. Alan Yardley (FIG) (Vice-chairman)  
Commander Federico Bermejo (Secretary) (IHB)

The meeting was hosted by the Hydrographer of Australia, Commodore John LEECH. The meeting also was supported by the Australasian Branch of the Hydrographic Society, Curtin University of Technology and the Maritime Museum of Western Australia.

## **2. Opening of the meeting and adoption of the Agenda**

The chairman opened the meeting and the Agenda was adopted with some minor amendments. The Chairman also regretted the two vacant posts of the Board, which have not yet been filled up by FIG and IHO. However, it was noted that the Italian Hydrographer will put forward a candidate in the near future. With respect to the FIG post which has been vacant since 1992, the Chairman informed the Board of his intention to discuss the matter with Commission IV members during the FIG Congress in Melbourne.

## **3. Administrative Arrangements**

A conference room and other facilities were provided by the Maritime Museum of Western Australia of Fremantle. Mr. Alan Yardley explained the administrative arrangements and social events scheduled.

On Monday 28 February, the Curator of the Maritime Museum, Mr. Mike McCarthy provided the Board members with a tour of the Museum. Visits were also paid to the Department of Marine & Harbours, in Fremantle, and Curtin University's School of Surveying and Land Information.

## **4. Matters arising from previous meetings**

a) Captain Hugo Gorziglia presented the amended version of M-6, "Reference texts and journals for Training in Hydrography". It was understood that the IHB will publish it in the near future and will include a note of acknowledgement to Captain Gorziglia for his personal effort in producing this publication.

b) The Board decided that the reports of future meetings will include the current list of Board members, the amendments to the Standards that had been agreed at each meeting and the updated list of recognized courses. Pending approval from the Directing Committee of the IHB, these documents will be sent to various institutions and organizations dealing with hydrographic surveying, including those conducting training courses in Hydrography, as well as IHO and FIG.

c) The Board considered the correspondence received from UK, Indonesia, Peru and Italy (Trieste) in response to the letters sent to the respective organizations in these countries on courses submitted in 1993. Details of the Board discussions are provided below.

## **5. Review of the Standards of Competence**

Considerable effort was made by the Board in carrying out an in-depth review of the Sixth Edition of the "Standards of Competence for Hydrographic Surveyors". Several changes were made with regard to Specialism 2 "Surveys for Coastal Zone Management" and the maturing technologies of Differential GPS, multibeam sonar systems and the development and use of ECDIS. To lessen the confusion within the hydrographic community, the Board decided to recommend the deletion of the distinction between Full/Academic recognition. Since this constitutes a change to the Statutes the matter must be approved by both FIG and IHO. The Board is grateful to the International Hydrographic Bureau and to the FIG Working Group 419b for their support and comments regarding these modifications. These changes will all be incorporated in the Seventh Edition of the Standards which will be published later in 1994.

## **6. Review of courses**

### a) Course from the Indonesian Hydrographic Service of the Navy (SEHIDRAL)

The Board was greatly assisted by Cdrs. Sani and Adittawarman in the reviewing of this course, which had already been recognized for Specialism 1 "Nautical Charting" and was seeking recognition for Specialism 2 "Coastal Zone Management". The Board decided to recognize the course for Specialism 2, after written confirmation that some topics identified by the Board are covered or will be covered in the future.

### b) Course of Hydrography for Naval Officers of the Peruvian Hydrographic Service

The Board was satisfied with the additional information provided by the Hydrographer of Peru and recognized the course at Category B with Specialism in Nautical Charting.

### c) IMA Course in Hydrography from Trieste (Italy)

The Board decided that before confirming the recognition of this course at Category B with specialism in Nautical Charting, further clarification was needed on the total number of hours devoted to the course. This subject will be finalized by correspondence.

### d) Basic Course in Hydrography for Naval Officers of the Royal Navy (UK) and Basic + Long Course in Hydrography for Naval Officers of the Royal Navy (UK)

The Board decided to award recognition at Category B to the Basic Course and to reaffirm the combination Basic + Long Courses at Category A, both with Specialism in Nautical Charting.

### e) Intermediate Hydrography and Oceanography Course of the Portuguese Hydrographic Institute.

The course was awarded reaffirmation of Category B with specialism in Nautical Charting on written confirmation that some topics are covered or will be included in the future.

### f) Programme of the School of Hydrographers of the French Hydrographic Office (EPSHOM)

The Board decided to reaffirm recognition at Category B, with specialism in Nautical Charting to this course.

### g) Coastal Zone Management Hydrographic Survey Diploma of the Chilean Maritime University

Recognition at Category B level with specialism in Coastal Zone Management was awarded to this recently created course resulting from the close collaboration of the Hydrographic Office and the Maritime University of Chile.

#### h) Long Hydrographic Course of the School of Hydrography Goa, India

The Board was unable to proceed conclusively, due to deficiencies in documentation and lack of details concerning several items of the course. The Hydrographic Office of India will be invited to provide the Board with additional information to assess various subjects. The Board will attempt to review the response by correspondence or at the next meeting in Kuala Lumpur (Malaysia).

#### **7. Other matters**

The Board was informed of the possible submission of the Course in Hydrography implemented by the Hydrographic Office of Colombia. Letters encouraging re-submission of courses will be also sent to Dalian University (China) and Institut Teknologi of Bandung (Indonesia).

#### **8. Date/Venue of the next meeting**

Following the invitation of Mr. Razali B. Ahmad, it was decided that the next meeting will be held in Kuala Lumpur (Malaysia), from 19 to 26 March 1995.

#### **9. Close of the meeting**

There being no other points to discuss, the meeting adjourned at 1245 on 4th March 1994.