

## REPORT

### Tenth Meeting of the FIG/IHO International Advisory Board on Standards of Competence for Hydrographic Surveyors

Aberdeen 6-10 April, 1987

Location and Attendance: The Xth Meeting of the Advisory Board was held at the offices of BUE Services Ltd., Aberdeen, Scotland.

The following were present:

Mr. Adam J. Kerr, IHO (Canada) (Chairman)  
Mr. Suk Woo Lee, FIG (Korea)  
Mr. Roger Lott, FIG (U.K.)  
Cmdr. Eugênio J. F. Neiva, B.N., IHO (Brazil)  
Professor Dr.-Ing. Sjanisir Mira, FIG (Indonesia)  
Mr. Peter G. Odling-Smee, FIG (U.K.)  
Mr. Shoichi Oshima, IHO (Japan)  
Captain Hans Rohde, IHB (FRG) (Secretary)

Cmdr. D. Sengupta, I.N., IHO (India) was unable to attend.

#### 1. Opening the Meeting

Mr. Adam J. Kerr took the chair and opened the meeting. He noted the Board's appreciation to the Hydrographic Society for hosting the meeting and to BUE Services Ltd. for providing meeting premises and services.

Professor S. Mira was welcomed as a member of the Board based on the understanding that his nomination would be ratified by FIG.

Regret was expressed that Cmdr. Sengupta was unable, once again, to attend the meeting.

#### 2. Adoption of Agenda

The Preliminary Agenda circulated earlier was adopted with some minor additions.

#### 3. Review of the Report of the IXth Meeting

The Draft Report of the IXth Meeting was accepted as Final and will be circulated by the Chairman.

The Secretary (IHB) was asked to update the comparative table of hours submitted at the IXth Meeting.

The updated Bibliography - Part II of the Standards - is to be circulated to Board members for amendments before being published by the IHB. In future Part II should be circulated to Institutions holding

approved courses asking them to amend the Bibliography according to literature and by them. Only such literature is to be included in future versions.

#### 4. Action Required to Complete Pending Approval of Submissions from Previous Meeting.

##### 4.1 Canadian Hydrographic Service

Having reviewed the Amendments provided the Board decided to award Full Category A accreditation to the course. The accreditation was based on the Fourth Edition of the Standards (June 1985).

##### 4.2 University of New Brunswick

Having reviewed the Amendments provided the Board decided to award Academic Category A accreditation to the course. The accreditation was based on the Fourth Edition of the Standards (June 1985).

#### 5. Review and amendments to modified Standards of Competence

The Standards of Competence which had undergone extensive modification at the IXth Meeting were reviewed again in detail and a significant number of further amendments were made. In particular, Specialism 3 - Industrial Offshore Surveying, was re-written. The result of this exercise is the production of the Draft Fifth Edition. This is to be sent to IHO and FIG to seek approval for its adoption. As a pragmatic measure the draft was used for the review of two courses at this meeting.

#### 6. Review of New Submissions

##### 6.1 Diploma in Hydrographic Surveying - Plymouth Polytechnic

The Board was favoured by the presence of Captain K. MacCallum for the presentation of course. The Board considered the submitted course considerably improved compared to earlier versions. It decided to award Academic Category A accreditation to the course provided a small number of amendments were made. The Board also encouraged the inclusion of some additional subject material that is not at present included in the Standards. The Plymouth course was reviewed against the Modified Standards (to become the 5th edition).

##### 6.2 Course Programme of the Maritime Safety Academy, Japan

Mr. Oshima provided some guidance on the course material and content. The course was examined in comparison with the Modified Standards (to become the 5th edition). Due to the late presentation of some of the documentation and difficulty experienced in making a comparison the Board was unable to accept the submission on this occasion. The Board was nevertheless impressed by the apparent high quality of the course and will request that it be re-submitted prior to the next meeting.

7. Amendments to Standards

The modified standards prepared at the IXth Meeting were discussed in detail. Numerous modifications were implemented. The most significant of these was to re-write Specialism 3 - Industrial Offshore Surveying. The Chairman will have the Standards updated accordingly and will circulate the draft to Board members. The modified Standards will then be presented to IHO and FIG for ratification and subsequent publication as the Fifth Edition.

8. Proposal by Hydrographic Society to be represented on the Board

A request by the Hydrographic Society to be represented on the Board and an offer by the Society to provide Secretariat Services contained in a letter from Mr. Richardson and Dr. Britton (31 Oct. 1986) was reviewed. It was decided to inform the Hydrographic Society that the Advisory Board was formally constituted by FIG and IHO with no greater than 8 persons (4 from each) and that any changes would require the approval of the parent organizations. The offer to provide Secretariat Services was considered but turned down on the grounds that the IHB had stated its intentions to continue providing this service.

9. Requirement to Modify Certificates to Show Specialisation

The concept of including details of specialisation on the certificates was supported. The Secretary will prepare drafts.

10. Exemption for Entrants

A letter from Mr. Goldsteen at the Australian Maritime College dated 12 February 1987 was considered by the Board. Mr. Goldsteen asked that Exemptions to subjects other than the Basic ones be permitted. It was noted that the Board had already discussed this matter at length at the previous meeting and had informed AMC that they could not be considered. The Board saw no reason to alter this position and will send a letter to the National Focal Point.

11. Requirement for Members to attend meetings

The Chairman noted that Cmdr. Sengupta had been unable to attend the last two meetings and according to the Statutes this is an undesirable state of affairs. He also noted that there is a proposal before the International Hydrographic Conference by India that membership of the Board by IHO members be considered for 5 year periods with a particular member state rather than the individual. Board members were of the firm opinion that members of the Board should be as individuals and not as being proposed. The Chairman will write to IHO and FIG emphasizing the importance of being able to attend meetings regularly. The difficulty of funding the travel will also be noted in the letter.

12. Monitoring Procedures for Approved Courses

The matter of ongoing monitoring of approved courses was discussed. It was noted that the Board reserves such a right and that this is stated in the Standards. It was agreed that the Chairman would write to the NFP's of those countries which had approved courses and inform them that in view of changing technology and significant modifications to the Standards the NFP's should consider advising the educational institutions of the need to upgrade. The Board would also offer its services to review courses that were modified. All new courses would be informed very definitely that upgrading in the future would be expected. Depending on the response to the initial action the Board would review the matter again in two years at which time it is possible that a more demanding monitoring process be introduced.

13. Requirement for Category C (Correspondence Dr. Schleider)

A letter had been received from Dr. Schleider FRG dated Jan. 30, 1987 requesting that the Board consider the requirement to define Category C in conjunction with a course outline he had provided. The Board was of the opinion that while there were hydrographic personnel that could be classed as Category C it was unreasonable to require an international standard for this group. Accordingly the Standards will be modified deleting the Category C. In view of the apparently high level of Dr. Schleider's course a letter will be sent to him suggesting that he submit it formally for a Category B.

14. Statutes

It was apparent that the Statutes developed at the meeting in the Netherlands in 1983 have never been formally accepted by the parent organizations. The Board took the opportunity to review and modify the draft statutes. These will then be sent by the Chairman for the approval of FIG and IHO.

15. Vice-Chairman

The requirement to appoint a Vice-Chairman was considered by the FIG representatives and Mr. Roger Lott was nominated and appointed.

16. Venue of Eleventh Meeting

The venue of the next meeting was considered bringing into consideration the desirability of being at an educational institution which would be submitting a course and also the travel costs for members. The following possibilities were proposed:-

Federal Republic of Germany (precise site not specified)  
Rio de Janeiro, Brazil  
Bandung or Bali, Indonesia  
Monaco

Captain Rohde, Commander Neiva and Professor Mira will respectively investigate these proposals and if feasible, provide the formal invitation to the Chairman. The Chairman will then solicit the views of the members on these locations and from this will choose a site. It was proposed that the date of the meeting will be April, 1988.

The meeting adjourned at 1630, April 10.

Xth MEETING FIG/IHO ADVISORY BOARD

- Monday, April 6      Members arrive Holiday Inn, Dyce, Aberdeen.  
Planning discussions for Meeting held.
- Tuesday, April 7      Day 1 of Meeting at BUE offices  
am      -Open Meeting  
         -Approve Agenda  
         -Review Old Business  
         -Review Amendments to Canadian Hydrographic Service  
         Submission
- pm      -Review Amendments to University of New Brunswick  
         Submission  
         [Note: CHS and UNB amended submission reviewed  
         against existing Standard]
- Wednesday, April 8      Day 2  
am      -Review and approval of modified Standard (as  
         developed previous meeting)
- pm      -Review submission Plymouth Polytechnic
- evening      -Reception by Rear Admiral G.S. Ritchie (to be con-  
         firmed)
- Thursday, April 9      Day 3  
am      -Review submission Japanese Maritime Safety Academy
- pm      -Tour of Harbour
- evening      -Hydrographic Society hosts visit to Whiskey Dis-  
         tillery
- Friday, April 10      Day 4  
am      -Examine proposal by Hydrographic Society for mem-  
         bership of Board  
         -Requirement to modify Certification to show spec-  
         ialization (in connection with modified Standard)  
         -Exemption for entrants (correspondence G. Gold-  
         steen, Australian Maritime Academy)  
         -Requirement for members to attend meetings (D.  
         Sengupta absence)  
         -Monitoring procedures for approved courses  
         -Requirement for Category C (correspondence from  
         Dr.-Ing. W. Schleider)
- pm      -Complete unfinished business. Prepare reports for  
         IHO and FIG.  
         -Statutes  
         -Vice-chairman  
         -Venue of next meeting