



IHB File No. TA-006-1

**CIRCULAR LETTER 59/2011  
15 September 2011**

**MULTIBEAM SONAR TRAINING COURSE IN FREMANTLE (AUSTRALIA)  
(31 October - 05 November 2011)**

Dear Hydrographer,

1 The Ocean Mapping Group (University of New Brunswick) and the Center for Coastal and Ocean Mapping, NOAA-UNH Joint Hydrographic Center (University of New Hampshire) are going to conduct the 57<sup>th</sup> Multibeam Sonar Training Course from 31 October to 5 November 2011 in Fremantle (Australia). The course is co-hosted by Acoustic Imaging Pty Ltd and will have 10 places available for IHO Member State candidates, supported by the IHO Capacity Building Fund. This six-day course is designed to provide a theoretical and practical background in marine swath survey technology and techniques for hydrographic surveys and other applications. In general it covers the following topics:

- Review of underwater acoustics and overview of acoustic seabed mapping systems;
- Multibeam principles and multibeam calibration methods;
- Positioning and motion compensation for multibeam surveys;
- Multibeam survey planning;
- Data structures and multibeam data processing;
- Seabed acoustic backscatter and characterization;
- Visualisation methods and quality control.

2 This course is not listed in the CBSC Work Plan 2011 and its inclusion was possible due to the kind contribution of the Republic of Korea, made available this year after the CBSC-9 meeting. A description of the Course, along with application details, can be found at:

[http://www.omg.unb.ca/mbc/MBC57\\_Info\\_v5THS\\_formr\\_distributed.pdf](http://www.omg.unb.ca/mbc/MBC57_Info_v5THS_formr_distributed.pdf)

3. Up to 10 trainees will be accepted for financing. The IHO Capacity Building Fund will cover the registration fees, travel to and from the respective countries as well as all meals and accommodation for 7 days. Any other associated expenses such as insurances, visa cost, pocket money, etc. should be covered by the candidate's organization.

4. IHO Member States are kindly invited to consider nominating one suitable candidate who would benefit from this training. The Chairmen of the Regional Hydrographic Commissions are invited to share this information with their Associate and Observer Members so that they can also consider applying for this training opportunity.

5. Application Forms (Annex) should be sent to the IHB address, as given below, and should reach the IHB no later than 29 September 2011:

Captain Alberto Costa Neves  
CBSC Secretary  
International Hydrographic Bureau  
4, Quai Antoine 1er.  
98011 Monaco Cedex  
Tel: +377 93 10 81 00  
Fax: +377 93 10 81 40  
e-mail: alberto.neves@ihb.mc

The IHB and the CBSC Chairman will jointly select those candidates they feel would benefit from this training. The selected candidates will be informed no later than 3 October 2011. Selected candidates will receive detailed logistic information in due time. Nevertheless it is important that applicants provide the IHB complete details of passport number and reliable e-mail address to speed up the air ticket provision process in case selected. Obtaining the necessary visa to travel to Australia is the responsibility of the selected participants.

6. It is essential that candidates are employed by the hydrographic office, port authority or related national agency of their country. The nomination must come from the National Hydrographer and should include a statement specifying that the candidate is involved in, or will be involved in, the production and maintenance of navigational charts and that, upon successful completion of the training, he/she will continue in this field.

7. The authority nominating candidates should carefully select the nominee and ensure that opportunities will be in place to enable the individual to transfer the learning undertaken in a structured manner. This will ensure that the individual and his organization gain full benefit.

8. Nominated candidates should meet the following criteria:

- Very good standard of English, both written and spoken, with reasonable technical English.
- A background in hydrographic surveying or other relevant experience.

On behalf of the Directing Committee  
Yours sincerely,

A handwritten signature in blue ink, appearing to be 'Hugo Gorziglia', written in a cursive style.

Captain Hugo GORZIGLIA  
Director

Annex: Application Form

**IHO CAPACITY BUILDING FUND**  
57<sup>th</sup> UNB-OMG / UNH-CCOM Multibeam Sonar Training Course  
Fremantle, Australia, 31 October to 5 November 2011

**APPLICATION FORM**

1. Family name:
2. First name:
3. Nationality:
4. Date of Birth:
5. Place of Birth:
6. Mailing address:
  
7. Telephone:
8. Fax:
9. Email:
10. Present position and description of duties
  
11. Brief description of candidate's past experience in hydrography and multibeam
  
12. Candidate's future plans for work in hydrography and the use of multibeam
  
13. Nominee's signature

**STATEMENT**

The **Hydrographer of** ..... (or appropriate authority) requests the IHB to consider this Application Form and confirms that he is fully aware of the conditions associated to this application.

Date: \_\_\_\_\_ Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Attachment: Candidate's Curriculum Vitae