



IHB File N° S1/3023 & CBSC-1

CIRCULAR LETTER 25/2013  
22 March 2013

**CATEGORY “A” HYDROGRAPHY PROGRAMME SPONSORED BY  
THE REPUBLIC OF KOREA - URGENT CALL FOR NOMINATIONS**

Reference: CL 38/2011 dated 30 June - *Memorandum of Understanding (MoU) between the Republic of Korea and the IHO on Support of the IHO Capacity Building Programme*

Dear Hydrographer,

1. The Reference informed Member States that the IHB had concluded a Memorandum of Understanding with the Republic of Korea concerning additional funding for the IHO Capacity Building Programme.
2. The Directing Committee has been informed by the Republic of Korea that it is prepared to increase its financial contribution in order to provide long-term support for selected students on the Category A Hydrographic Surveying Programme at the University of Southern Mississippi (USM) in the USA. This Programme is recognized as Category A by the FIG-IHO-ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers. A meeting between the Korea Hydrographic and Oceanographic Administration (KHOA) and the IHB was held via a teleconference on 19 March to coordinate the details for this project.
3. Funds can be made available for up to five students this year for the Category A Hydrographic Science Graduate Degree Programme. The next course will take place at the USM from 7 August 2013 to 8 August 2014. Details of this programme are included in Annex A to this letter.
4. The support provided by the Republic of Korea will cover course fees, travel to and from the respective countries, accommodation and a moderate living allowance.
5. Member States are invited to consider nominating **ONE suitable candidate** who will benefit from this training and will thereby assist the nominating country in developing its hydrographic capabilities. The Chairs of Regional Hydrographic Commissions are invited to pass on this information to their Associate and Observer Member States so that they can also consider applying for this training opportunity.
6. **It is essential that candidates are employed by a national hydrographic office, a port authority or a related national agency of the nominating country. The nomination must include a statement specifying that the candidate is or will be involved in the provision of hydrographic services and, once the training has been successfully completed, that the candidate will continue to work in this field.**
7. The authority nominating candidates should carefully select the nominee and ensure that opportunities will be in place for the nominee to transfer the learning undertaken in a structured manner for the benefit of his or her parent organization. This will ensure that the individual and the sponsoring organization gain full benefit.

8. **Nominated candidates MUST meet the following criteria:**

- A very good standard of English, both written and spoken, with reasonable technical English.
- A high standard in mathematics, physics and computing.
- Comply with the prerequisites listed in Annex A.

9. The Directing Committee, jointly with KHOA, will select the candidates for the next programme. The successful candidates will be informed of their selection **by 24 May 2013**. The Member States will also be informed of the selection results. Selected candidates must then submit documentation to the USM **no later than 14 June 2013** after which they will receive detailed logistic information directly from the USM.

10. An Application Form (included at Annex B) should be submitted to the following address **no later than 10 May 2013**:

International Hydrographic Bureau  
Fax: + 377 93 10 81 40  
e-mail: [info@iho.int](mailto:info@iho.int) with copy to [adcc@iho.int](mailto:adcc@iho.int)

11. Applicants and nominating authorities should carefully consider the short timescale involved between selection and commencement of the course. This may impact on the ability of some personnel to obtain the necessary visas and to make all personal domestic and administrative arrangements.

On behalf of the Directing Committee  
Yours sincerely,



Mustafa IPTES  
Director

Annexes:

- A. Summary of USM Hydrography Programme
- B. Application Form

## SUMMARY OF USM HYDROGRAPHY PROGRAMME

07 August 2013 – 8 August 2014

### Courses

- Most students follow the accelerated one-year track, which includes two periods of classroom lectures and practical exercises and one period of application, combining for about 50 continuous weeks of study.
- The programme starts in August 2013. Preliminary classes and orientations will start about 7 August and official classes will start 21 August.

### Prerequisites

- MATHEMATICS
  - Single Variable Calculus, Multi-variable Calculus, Linear Algebra, Differential Equations, Probability and Statistics
- PHYSICS
  - Mechanics, Electricity, Wave Motions
- COMPUTING
  - Computer fundamentals, Practical skills in common application software, Basic programming, Fundamental knowledge of Geographic Information Systems and databases, MATLAB.

### Requirements for Admission Application

- Official copy of TOEFL score from ETS
- Official copy of GRE score from testing service
- Official copies of degree certificates or diplomas for all previous degrees completed
- Three letters of recommendation
- A statement of interest
- A resumé

## Master's Degree Curriculum

| <u>One Year Degree Programme</u> |                                       |
|----------------------------------|---------------------------------------|
| Fall Semester                    |                                       |
| HYD 600                          | Classical Geodesy                     |
| HYD 602                          | Marine Geology for Hydrographers      |
| HYD 608                          | Practical Hydrographic Science        |
| HYD 609                          | Nautical Science                      |
| HYD 620                          | Math Concepts for Hydrographers       |
| MAR 561                          | Physical Oceanography                 |
| MAR 668                          | Applied Ocean Acoustics               |
| Spring Semester                  |                                       |
| HYD 601                          | Hydrographic Data Management          |
| HYD 604                          | Kinematic Positioning                 |
| HYD 605                          | Applied Bathymetry                    |
| HYD 611                          | Remote Sensing for Hydrographers      |
| HYD 612                          | Water Levels                          |
| Summer Semester                  |                                       |
| HYD 603                          | Law & Policy for Hydrographic Science |
| HYD 606                          | Nautical Cartography and GIS          |
| HYD 610                          | Hydrographic Science Field Project    |

**More information about the programme is available at:**  
**<http://www.usm.edu/marine/hydrographic-science-degrees>**

## APPLICATION FORM

CATEGORY "A" HYDROGRAPHY PROGRAMME  
SPONSORED BY THE REPUBLIC OF KOREA

University of Southern Mississippi, USA

7 August 2013 – 8 August 2014

To reach the IHB no later than **10 May 2013**

**Send to:**  
International Hydrographic Bureau  
Fax: +377 93 10 81 40  
E-mail: [info@iho.int](mailto:info@iho.int) with copy to [adcc@iho.int](mailto:adcc@iho.int)

|   |  |
|---|--|
| Family Name   |  |
| First or given Names  |  |
| Nationality   |  |
| Date of Birth   |  |
| Place of Birth  |  |
| Mailing Address   |  |
| Telephone   |  |
| Fax   |  |
| E-mail  |  |
| <i>Note: Reliable fax numbers and e-mail addresses are MANDATORY and VITAL for further communications</i>         |  |
| Brief description of candidate's ability in written and spoken English language together with supporting evidence |  |

|  |  |
|--|--|
| Present position and description of duties                               |  |
| Brief description of candidate's past experience                         |  |
| Candidate's future plans for work the provision of hydrographic services |  |
|  |  |
| Nominee's signature  |  |

**STATEMENT OF ENDORSEMENT**

**It is confirmed that the candidate is employed by a national hydrographic office, a port authority or a related national agency of the state.**

**The candidate is or will be involved in the provision of hydrographic services and, once the training has been successfully completed, that the candidate will continue to work in this field.**

The Hydrographer of ..... (or appropriate authority) endorses this application and accepts the conditions that apply.

|                          |  |
|--------------------------|--|
| Name:                    |  |
| Office or position held: |  |
| Signature:               |  |
| Date:                    |  |

**Attachment: Curriculum Vitae of Candidate (mandatory)**