

INTERNATIONAL HYDROGRAPHIC
ORGANIZATION



ORGANISATION HYDROGRAPHIQUE
INTERNATIONALE

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CIRCULAR LETTER 64/2011
24 October 2011

IHO CAPACITY BUILDING PROJECT
Course in Electronic Navigational Chart Production
Taunton, UK, 30 January - 02 March 2012

(3rd 5- week Module of the recognized UK Category B Programme by the FIG-IHO-ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers)

Dear Hydrographer,

1 The IHB is pleased to announce that aiming at satisfying the considerable demand for training in ENC production and taking advantage of the kind contribution made by the Republic of Korea to the IHO Capacity Building Program, a Course in Electronic Navigational Chart Production will be conducted at the UKHO, Taunton, UK, from 30 January to 02 March 2012.

2 This course is not listed in the CBSC Work Plan 2011 as the contribution referred to above was made available after the CBSC-9 Meeting. The idea was to have this course in 2011, but it has been postponed to early 2012 to allow Member States more time to consider submitting applications.

3 The CBSC agreed that if resources were made available, it would be important to run an ENC course, essentially the third five-week module of the UKHO recognized Cat. B programme aimed at developing and promoting human capacity building of technical personnel in developing countries. A summary of the Course Programme is provided in Annex I.

4 Up to 9 trainees will be considered for financing. The support provided by the CB Fund will cover course fees, travel to and from the respective countries, accommodation and a reasonable living allowance.

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

6 The Application Form (Annex II) should reach the IHB **no later than 24 November 2011** and should be addressed to:

Captain Hugo GORZIGLIA
IHB Director
International Hydrographic Bureau
Email: <hgorziglia@ihb.mc> with copy to <info@ihb.mc>
or Fax: +377 93108140

The IHB will make the selection. Selected candidates **will be informed no later than 02 December 2011.**

7 It is essential that candidates are employed by the hydrographic office, the port authority or related national agency of their country. **The nomination must be originated by the employer and should include a statement specifying that the candidate is involved in, or will be involved in, the production and maintenance of Electronic Navigational Charts and, once the training has been successfully completed, will continue in this field.**

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

9 Nominated candidates should meet the following criteria:

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

10 Selected candidates will receive detailed logistic information directly from the UKHO in due time.

On behalf of the Directing Committee
Yours sincerely,

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

Captain Hugo GORZIGLIA
Director

Encls: Annex I - Summary of the Programme.
Annex II - Application Form.

Distribution: IHO Member States and RHC Chairs

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MODULE 3 ELECTRONIC NAVIGATIONAL CHARTS (ENC).

A highly practical introduction to the Electronic Navigational Chart (ENC), international standards for ENC, and the production and maintenance of ENC data. This module is recognized as part of the FIG-IHO-ICA Category B Certificate in Nautical Cartography.

What is an ENC? History and Development of ENCs;
Introduction to GIS;
Overview of S-57;
Objects and attributes; polygons; topology;
ENC Product Specification;
Mandatory attributes; META objects; TXT and PICREP files;
Object Catalogue; Attribute Catalogue; Use of the Object Catalogue; Data Capture Specifications;
Usage bands;
Distribution of ENCs; RENCs;
New Cell capture;
SCAMIN; CATZOC;
Lights and Light Supports;
ENC Quality Procedures
Consistency of ENCs;
Positional accuracy;
Magnetic Variation;
ENC Updates;
New Editions;
Edge matching;
Verification and validation;
ECDIS; S-52;
S-100; Future developments;

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APPLICATION FORM

1. FAMILY NAME
- FIRST NAME
- NATIONALITY
- Date of Birth
- Place of Birth
2. Mailing Address
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Telephone
- Fax
- E-mail
3. Present position and description of duties.....
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4. Brief description of candidate's past experience in hydrography and cartography
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5. Candidate's future plans for application of training received on Cartography.....
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Nominee's signature

Attachment: **Candidate's Curriculum Vitae**

STATEMENT BY THE NATIONAL HYDROGRAPHER

The **Hydrographer of** (or appropriate national authority) requests the IHB to consider this Application Form and confirms that he/she is fully aware of the following conditions which apply to this application:

1 The IHO Capacity Building Fund will support course fees, travel to and from the respective countries, hotel accommodation and a reasonable living allowance.

2 Insurances and any other expenses are not covered by the IHO Capacity Building Fund. They are the responsibility of the institution submitting the application.

3 Should a selected candidate not be able to participate in the course for any reason he/she will be replaced by a candidate from the waiting list and **NOT** by an applicant from the same country.

4 Passport and Visa are the responsibility of the applicant or the applicant's administration.

5 Where the IHB is informed less than 1 month before the start of the course that a selected candidate is unable to participate in the course, his/her sponsoring institution will be required to refund the IHO Capacity Building Fund any expenses already incurred by the IHB.

Date: _____

Name: _____

Signature: _____