

20th MEETING OF THE IHO CAPACITY BUILDING SUB-COMMITTEE
IHO-CBSC20
Denpasar - Bali, Indonesia + VTC (Hybrid Meeting)
01 - 03 June 2022

IHO e-Learning Center

Submitted by:	CB e-Learning Project Team (PT Chair)
Executive Summary:	This document provides a summary report of the PT activities
Related Documents:	Implementation Plan for e-Learning Center
Related Projects:	IHO e-Learning Center Project

1. Introduction / Background

The Assembly endorsed the activities to install an IHO e-Learning Center based on A-2 Pro 3.3 and the related recommendations of the IRCC/CBSC.

Outcomes of the Meeting of the IHO Council and the Strategic Issues of the CBSC:

- a) Recognizes the importance and very high potential of distant learning or e-learning for the improvement and extension of Capacity Building activities in hydrography,
- b) Specifies e-learning in this proposal as all forms of learning, where electronic or digital media are being used for presentation and distribution of learning material and/or to support communication in learning,
- c) Is aware that the CoVID-19 pandemic and its consequences puts much more pressure on the development of e-learning means,
- d) Sees that e-learning development is extremely limited with the current capabilities of the IHO CB Fund,
- e) Therefore, welcomes the initiative and generous offer from Republic of Korea to establish and support an IHO e-Learning Center, to provide the infrastructure and to cooperate with IHO, its Member States and industry, and
- f) Suggests to further develop the structure and framework of an IHO e-Learning Center together with ROK and IBSC by setting up a Project Team.

Then, CBSC-18 established the Project Team.

Nowadays, this Team has 17 representatives from IBSC, Australia, Brazil, Canada, Denmark, France, Greece, IHO (Secretariat), ROK, Turkey, South Africa, United Kingdom, and USA.

2. Major strategies

- Open Platform: Co-Uses MSs' e-Learning contents and allow participation of industry;
- Efficiency: Expand CB activities and reduce time and cost;
- Adaptability: Active response to fast changing hydrographic technology; and
- Expandability: Develop various e-Learning contents and service them in English, Spanish, Portuguese, and France languages.

3. List of Representatives

The Project Team of IHO e-Learning Center started Its work after CBSC-18 with ten (10) representatives. In March 2021, during the 2nd Meeting, the PT grew by receiving 5 new members and replacing two (2). After 3rd Meeting, increasing the efforts five (5) new members joined to PT, replacing one. Nowadays, the PT has seventeen (17) representatives:

- Aeri Yu (EAHC - KHOA)
- Christoff Theunissen (SAHO – South Africa)
- Christopher Janus (US-NGA and WWNWS-SC – USA)
- Emre Gulher (MBSHC - Turkey)
- Gordon Johnston (IBSC - UK)
- Helber Carvalho (SWAtHC – Brazil - Chair)
- Jens P. Hartmann (MSDIWG - Denmark)
- Jeremy Kitchker (UKHO)
- Julien Smeeckaert (EAtHC – SHOM - France)
- Leonel P. Manteigas (IHO)
- Lucy Fieldhouse (UKHO)
- Lysandros Tsoulos (IBSC - Greece)
- Mina Foroutan from the CHS – Canada – Vice-Chair)
- Nickolás de A. Roscher (IBSC - Brazil)
- Peter You (EAHC - KHOA)
- Ron Furness (IBSC – Australia)
- Ronan Le Roy (France)

4. Activities concluded to date

4.1 - 2021:

4.1.1 - Finalize ToR & RoP of e-Learning PT:

Concluded and approved during 2nd Meeting (30 March).

4.1.2 – Updated the implementation Plan (2021):

Concluded and approved during 2nd Meeting (30 March).

4.1.3 - Finalize the framework of the Center:

- Web host service (protected by firewall) using the CDN service.
- Running multi web server (WEB, VOD, DB etc.).
- E-learning Website (HTML 5; support mobile learning).

4.1.4 - Member States shared experiences in e-Learning:

PT received kindly contributions from MSDIWG, IC-ENC, South African Navy Hydrographic Office (SAHO), KHOA, Global Citizen Education (GCED), and SHOM, which shared experiences and contents.

4.1.5 - The IHO e-Learning Center Guidelines:

On the 3rd Meeting, a small group was created to draft the Guidelines of e-Learning Center. This activity is in progress.

4.1.6 - Set up the Center system and an e-Learning website.

4.1.7 - Upload the 4 e-Learning contents (running the first tests).

4.1.8 - Report to CBSC19 the activities achieved and the progress.

4.2 - 2022

4.2.1 – Report to CBSC20Int the activities achieved and the progress.

4.2.2 - Draft Guidelines in progress

4.2.3 – The website and domain were created.

4.2.4 – Running tests with 4 courses:

- Fundamentals of Hydrographic Survey
- Fundamentals of chart production
- 2 cases of MSDI fundamentals

4.3 - Planned Activities for 2022 and 2023

4.3.1 - Report to CBSC20.

4.3.2 - Set up the Center Steering Committee.

4.3.3 – Operate the courses and receive feedback from IHO Member States.

4.3.4 – Set up a Manager Staff (Director, Curriculum Office, System Manager and Secretary).

5. Draft of the Guidelines

ROK presented the draft e-Learning guidelines at the 3rd PT Meeting and a Drafting Group was formed with the lead of the Vice-Chair of the PT to update the Guidelines. Since this meeting the Project Team performed three (3) meetings and have been working to improve the Guidelines. This document contains the requirements for running the IHO e-Learning Center by reflecting the views of Member States with experience in e-Learning courses.

The main contents of this Draft are:

- Overview
- Introduction
- Objectives and scope of the guidelines
- Terminology – glossary
- Steering Committee - Composition and scope of work
- Manager Staff (Director, Curriculum Office, System Manager and Secretary)
- Ordinary meetings and reports
- Management of e-learning material
- Types of managed courses
- Types of contents
- Development of new e-learning materials

- Submission and review of new e-learning material
- Copyright and intellectual property rights
- Responsibilities of e-learning material providers
- Use of e-learning material by learners
- LMS management and operation
- Courses Assessment and completion

6. Conclusions

The establishment of the IHO e-Learning Center is proceeding with the cooperation between the IHO e-Learning Project Team, the Republic of Korea (ROK), and IBSC according to A-2 Decision n°. 42.

ROK (KHOA) actively supported the budget required for building an e-Learning system and a website. It is important to highlight the great contribution from KHOA and its valorous supporters.

Since CBSC-18, when the Project Team was established, the PT performed six (6) meetings and executed several activities.

In May, 6th, 2022, the domain was established and the IHO Website started working, representing a great achievement.

The next challenge is to set up the Steering Committee and Manager Staff. In this way, it will be possible to proceed with the work of draft the Guidelines.

The CB e-Learning Project Team is committed to carrying out all necessary activities to implement and develop IHO e-Learning Center, according to IHO objectives and goals.

7. Action Required of CBSC19

The CBSC is invited to:

- a. Note this report.



Helber Carvalho Macedo
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