

19th MEETING OF THE IHO CAPACITY BUILDING SUB-COMMITTEE
IHO-CBSC19
Online meeting 09 - 10 June 2021
Paper for the Consideration by CBSC19

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 3rd 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 14 representatives from IBSC, Brazil, Canada, Denmark, France, Greece, IHO (Secretariat), ROK, Turkey, South Africa, United Kingdom, and USA; to further develop the structure and framework of an IHO e-Learning Center.

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, 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, 1st June 2021, increasing the efforts two (2) new members joined to PT, replacing one. Nowadays, the PT has fourteen (14) representatives:

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

4. Planned Activities for 2021 and 2022

4.1 - 2021:

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

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

4.1.2 - Finalize the implementation Plan:

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, according to Action 6 from IRCC-12:

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 (Deadline September 2021).

4.1.6 - Set up the Center system and an e-Learning website by November 2021. And upload the 4 e-Learning contents.

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

4.2 - 2022:

- Set up the Center Steering Committee.
- Run the Center Secretariat.
- Test operates programs with IHO Member States.
- Report to CBSC20.

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. The Guidelines will contain the requirements for running the IHO e-Learning Center by reflecting the views of Member States with experience in running e-Learning courses.

The main contents of this Draft are:

- 1) General rules;
- 2) Operation of the e-Learning Center;
- 3) Development and management of e-Learning curriculum & course;
- 4) Operation of e-Learning curriculum & course; and
- 5) Management and operation of an e-Learning system.

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, and IBSC according to A-2 Decision no. 42.

ROK (KHOA) actively supported the budget required for building an e-Learning system and a website in 2021. It is very import to highlight the great contribution from KHOA and its valorous supporters.

In 2021, the PT held VTCs on 30 March, when approved the ToR and RoP, and 1st June, providing a good feedback on the ROK's implementation plan. In both Meetings Member states shared e-Learning contents and experiences. During this time, the PT also created a group to draft the Guidelines, which deadline to conclude it is in September 2021.

The CB e-Learning Project Team is committed to carrying out all necessary activities to implement and develop IHO e-Learning Center in a tight alignment with IHO objectives and goals. Despite of the ongoing pandemic, it is expected that the Center will be test operated from 2022.

7. Action Required of CBSC19

The CBSC is invited to:

- a. Note this report.

Helber Carvalho Macedo
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