

Implementation Plan for e-Learning Center

Online meeting, 25 – 26 February 2021

e-Learning Project Team, KHOA (Republic of Korea)



IHO

International Hydrographic Organization
Organisation Hydrographique Internationale



IHO e-Learning Center

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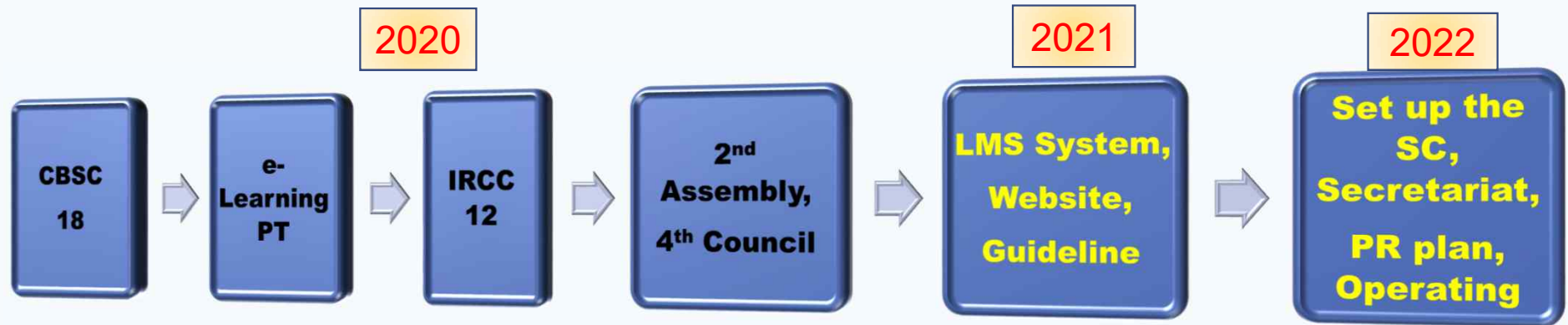
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I . Background



- **A2/42:** 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.
- **C4/14: Council** to monitor the progress made by IRCC to establish an IHO e-Learning Center based on proposal A-2 PRO-3.3 and the related recommendations of IRCC/CBSC (deadline C-5).

II. e-Learning Project Team



INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING SUB-COMMITTEE (CBSC)

e-Learning Project Team
List of Representatives
(Updated 25 February 2021)

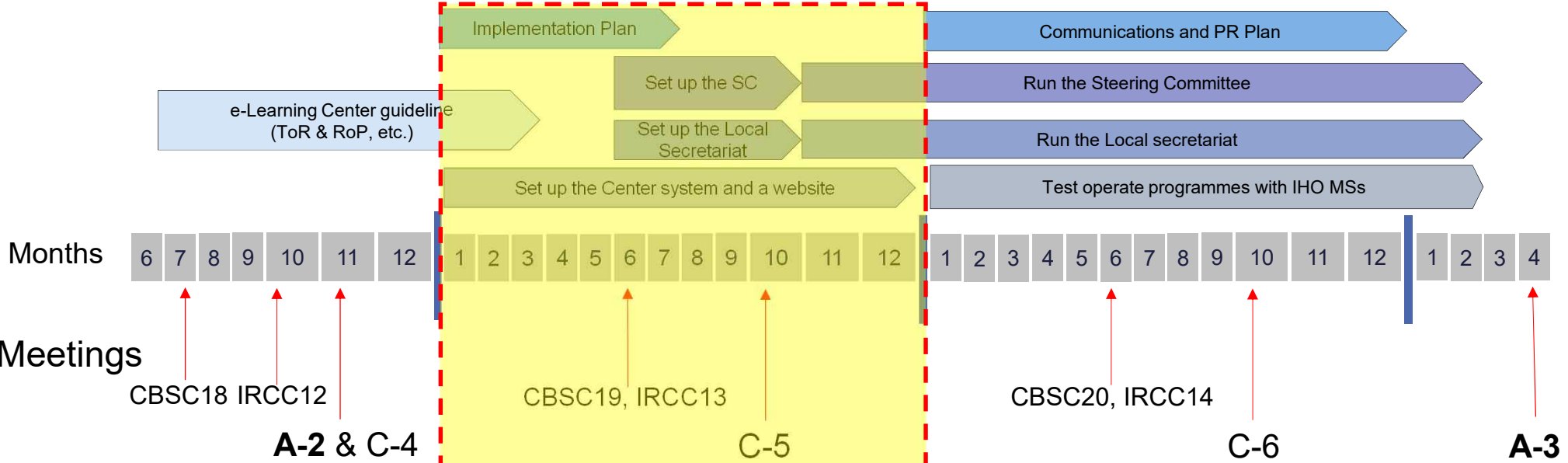


CBSC

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III. Timeline & Implementation Plan

Year	2020	2021	2022	2023
Main duties	<ul style="list-style-type: none"> Establish PT. Establish its purpose, role and timeline. Draft ToR & RoP. Report to IRCC12 and A-2. 	<ul style="list-style-type: none"> Finalize ToR & RoP. Finalize Implementation Plan. Finalize the guideline. Finalize the framework of the Center Set up the Center system and a website + upload 4 e-Learning contents Report to CBSC19, IRCC13 and C-5. 	<ul style="list-style-type: none"> Set up the Center Steering Committee (SC). Run the Center Secretariat. Test operate programmes with IHO MSs. Report to CBSC20, IRCC14 and C-6. 	<ul style="list-style-type: none"> Report the Center progress and the result of test operation to A-3.



※ PT meetings will gather before or after relevant major IHO meetings, if necessary.

5/11

Implementation Plan

ROK supports 372,000 euros in 2021
+
E-Learning PT, CBSC, IBSC, IHO Sec.

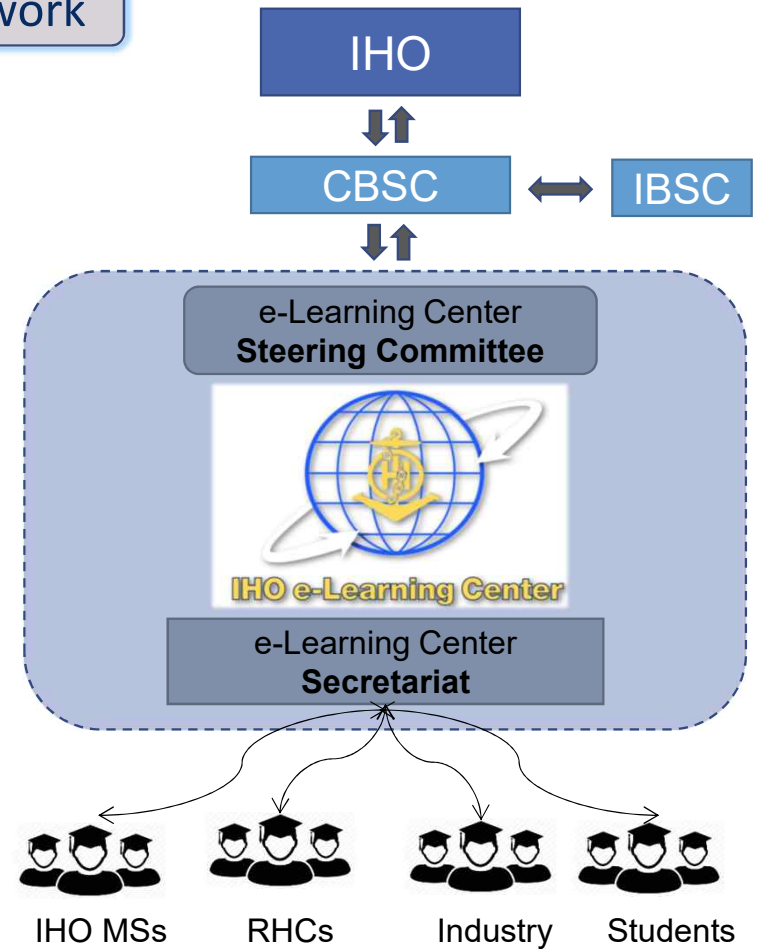


- Finalize ToR & RoP of e-Learning PT
- Finalize Implementation Plan.
- Finalize the framework of the Center.
- Finalize the e-Learning guideline.
- Set up the Center system and an e-Learning website.
- Report to CBSC19, IRCC13 and C-5.



• 4 e-Learning contents can be serviced through e-Learning website (2021 -)

Framework



1. General rules

- 1.1. Objectives
- 1.2. Scope
- 1.3. Terminology

2. Operation of the e-Learning Center

- 2.1. Composition
- 2.2. Steering Committee
- 2.3. Secretariat
- 2.4. Regular meetings and reports

3. Development and management of e-Learning curriculum & course

- 3.1. Planning of curriculum & course
- 3.2. Development of curriculum & course
- 3.3. Common use of curriculum by member states

- 3.4. Submission and review of curriculum & course
- 3.5. Renewal and discontinuance
- 3.6. Copyright and intellectual property right

4. Operation of e-Learning curriculum & course

- 4.1. Setting up of curriculum & course
- 4.2. Subscription and approval
- 4.3. Running of curriculum & course, feedback
- 4.4. Evaluation and certification

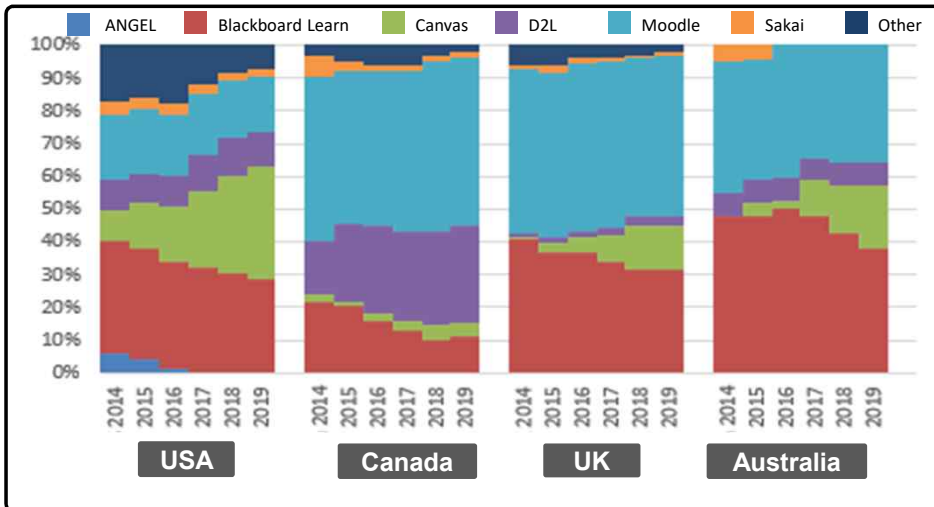
5. Management and operation of an e-Learning system

- 5.1. Designation of system manager and responsibilities
- 5.2. Operation of website and LMS
- 5.3. Management of security and system failures

IV. e-Learning Systems

LMS (Learning management system)

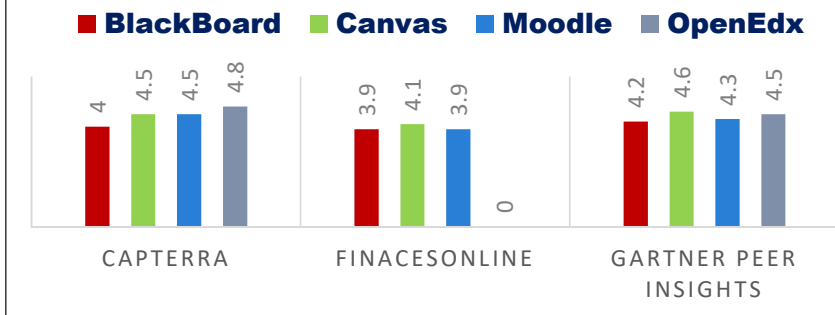
LMS Market share (2014 - 2019)



Major Consideration

1. Market share
2. Customizing convenience
3. Multi language
4. Course authoring
5. Course catalogue
6. Certification management

LMS RANKING



CDN (Content Delivery Network)

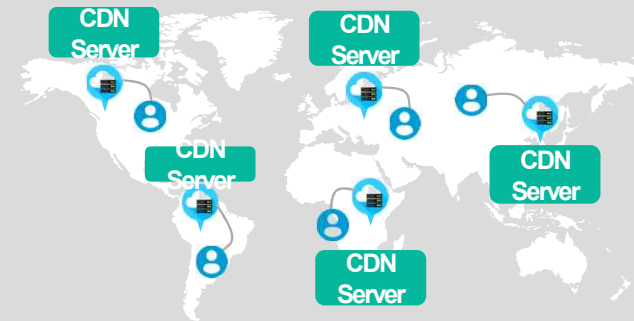
A cloud platform providing **speedy transmission** and **stable network service** by reducing the physical distance between servers and users.

VOD (Video On Demand) Server



VS

✓ CDN Server



Latency caused by physical distance between the origin server and users



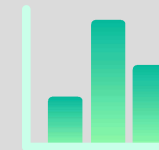
Difficult to expand the system due to fixed bandwidth



Exposed to various threats with its own security system



Increased speed with the use of CDN server based on user's location

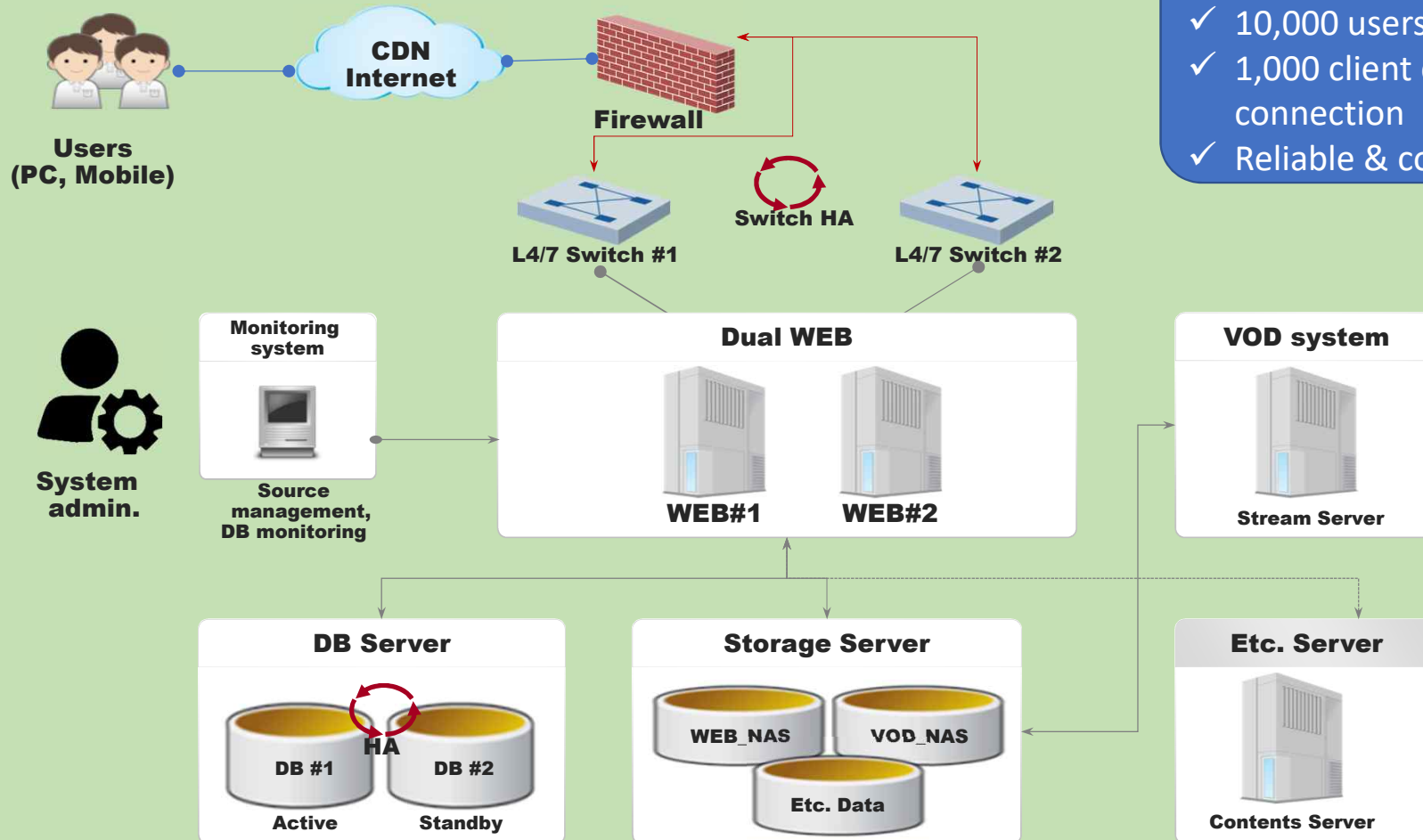


System flexibly expandable with reduced bandwidth



Uses security solutions built within CDN service

System architecture (updated)



- ### Targeting

 - ✓ 10,000 users
 - ✓ 1,000 client concurrent connection
 - ✓ Reliable & convenient service

V. Future Plan, Action required

Meeting

- 2nd e-Learning PT: March 2021
- IBSC meeting: 12-23 April 2021
- 3rd e-Learning PT: May 2021
- 19th CBSC, 13th IRCC: 14-16, 22-24 June 2021
- 4th e-Learning PT: September 2021
- 4th IHO Council: 19-21 October 2021

Step by Step

Action required

- Considering the limited e-Learning contents within the IHO, Member States who have experience in developing and providing e-Learning contents are invited to actively share the resources and experience to the PT.

Thank you

