

17th MEETING OF THE IHO CAPACITY BUILDING SUB-COMMITTEE
IHO-CBSC17
Genoa, Italy, 29 - 31 May, 2019

3-year EAHC Capacity Building Work Plans

Submitted by:	EAHC CB Coordinator
Executive Summary:	This document provides a summary report of the EAHC 3-year Capacity Building Work Plans to the CBSC
Related Projects:	5-year CB work plan of EAHC

1. Introduction / Background

The EAHC review a 5-year Capacity Building Work Plan during the 9th Training, Research and Development Center (TRDC) Board of Directors (BOD) meeting in 2019 as follows:

2. EAHC's past 5 year CB activities (2014 -2018)

Year (number of activity)	Level		
	Basic	Intermediate	Advanced & Applied
2014 (4)	- TV to Brunei Darussalam and Viet Nam - Cat. C	- Tides and water level for hydrographic survey - TFT for Carto	- Technical aspects of maritime boundaries, baselines and extended continental shelf
2015 (3)	- Cat. C	- Seabed Classification and Multibeam Survey - MSI course	- Tsunami Inundation Mapping Workshop
2016 (3)	- TV to Timor-Leste - Cat. C	- TFT for Hydro-P1	- MSDI and Database Management
2017 (3)	- TV to Technical visit to Cambodia - Cat. C	- TFT for Hydro-P2 - Hydrographic Survey for Disaster Management and Relief	None
2018 (3)	- Cat. C	- Use of GNSS for Tide Correction for Survey Course - Carto Production DB system Development Workshop	- Lidar and Satellite Derived Bathymetry Workshop

Remark: Cat. C (Basic cartographic and hydrographic courses lead by each MSs), TV (Technical Visit), TFT (Training for Trainers)

The EAHC has tasked the TRDC BOD to plan, implement and monitor CB programmes, and approved the five-year Capacity Building work plan proposed by the TRDC BOD which has a systematic approach for basic and specialized programmes. However due to the limited CB fund, only 3 or 4 programmes were funded by the CBSC/IHO. Therefore a number of proposed programmes have not been implemented.

3. EAHC's CB status

For the IHO Capacity Building strategy classifies phases of the development of hydrographic and cartographic capability as 3 phases, the EAHC capacity building phase stages are as follows;

	Country/Territory	NHC/NHCC	Phase 1	Phase 2	Phase 3	Last TV
1	Brunei Darussalam	0	1	1	1	2014
2	China	1	4	4	4	0
3	Democratic People's Rep. of Korea	-1	-1	-1	-1	0
4	Indonesia	1	4	4	4	0
5	Japan	2	4	4	4	0
6	Malaysia	2	4	4	4	0
7	Philippines	1	4	4	4	0
8	Republic of Korea	2	4	4	4	0
9	Singapore	-1	4	4	4	0
10	Thailand	-1	4	4	2	2004
11	Cambodia*	0	0	0	0	2016
12	Timor-Leste*	0	0	0	0	2016
13	Viet Nam**	-1	1	1	1	2014

Remark: * Impending IHO MSs / ** IHO MS but impending EAHC MS

The numerical grid below applies to the Phases (1, 2, 3)

- 1 - No information available
- 0 - The country is unaware of its national obligations
- 1 - The country is aware of its national obligations but does not have the means to do it
- 2 - The country has the ability to fulfil national obligations
- 3 - The country fulfils its national obligations through a third party
- 4 - The country fulfils its national obligations in a sustainable manner

4. 3-year EAHC CB Work Plans 2018-2020

The EAHC would like to submit a three-year Work Plan 2018-2020 based on 9th TRDC-BOD meeting (February 2019)

Year	Level		
	Basic	Intermediate	Advanced & Applied
2018	- Cat. C	- Use of GNSS for Tide Correction for Survey Course - Carto Production DB system Development Workshop	- Lidar and Satellite Derived Bathymetry Workshop
2019	TV to Cambodia - Cat. C	- TFT for Hydro (incl. IHO MS) - MSI course - Management of MSI DB workshop	- Risk Assessment for hydrographic surveys and charting management for the safety of navigation
2020	- Cat. C	- TFT for Carto (incl. IHO MS) - Hydrographic Survey and Data Management for Disaster Relief	- Seminar on S-100 Migration. - Workshop on the regional MSDI.

The EAHC monitors its capacity building activities and sets up plans at TRDC BOD meetings every year. The 5-year CB work plan will be updated during the 10th TRDC-BOD meeting in June 2019.

5. Conclusions

EAHC Capacity Building Programmes have leveled up the hydrographic capacities and capabilities among MSs, built a network of cooperation and enhanced navigational safety in the region. However, there is still a gap in technology among the EAHC MSs, and it is considered that there is need for continued capacity building support for and technical visits to countries that have not joined the IHO. In addition, EAHC needs to take part in the latest development of S-100 and MSDI and perform its duty to provide maritime safety information and respond to marine disasters. For this reason, EAHC will try to cover diverse fields from basic to advanced level through capacity building activities. However considering the limited CB fund, voluntary funding and participation of each MS is expected.

6. Actions required of CBSC:

The CBSC is invited to:

- a. note the report.
- b. Take any action consider appropriate.

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