

**FOURTEENTH MEETING OF THE CBSC (CBSC14)**  
**24-26 May 2016, Abu Dhabi**  
**EAHC 3-year Work Plan**

**Submitted by:** Republic of Korea as the CB Coordinator of the EAHC.

**Executive Summary:** This document provides a summary report of the EAHC 3-year Work Plan to the CBSC.

1. The EAHC developed a five-year Capacity Building Work Plan during the 2<sup>nd</sup> Training, Research and Development Center (TRDC) Board of Directors (BOD) meeting in 2014 as follows:

| Training                        | 2014                                                                                        | 2015                                                                                                                                            | 2016                                                                                                                                                                              | 2017                                                                                                   | 2018                            |
|---------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|
|                                 | Program                                                                                     | Program                                                                                                                                         | Program                                                                                                                                                                           | Program                                                                                                | Program                         |
| <b>Basic</b>                    | BASIC (Carto)<br>(a. Indonesia<br>b. Malaysia<br>c. Singapore<br>d. ROK)                    | - BASIC (Carto)<br>(a. Indonesia<br>b. ROK<br>c. Malaysia<br>d. Philippines<br>e. Singapore<br>f. China)<br>- MS & SC <sup>4)</sup> (Indonesia) | - BASIC (C & H)<br>- MS & SC                                                                                                                                                      | BASIC (C & H)                                                                                          | BASIC (C & H)                   |
| <b>Intermediate</b>             | CAT B M2 (Carto)                                                                            | CAT B M2 (Carto)                                                                                                                                | CAT B (Carto)                                                                                                                                                                     | CAT B (Carto)                                                                                          | CAT B (Carto)                   |
| <b>Advanced</b>                 | - MBA <sup>1)</sup><br><br>- TWL <sup>2)</sup><br><br>- TFT <sup>3)</sup> Foundation Course | - MSI <sup>5)</sup><br><br>- MSDI<br><br>- TFT BASIC (H)<br><br>- MIO <sup>6)</sup>                                                             | - TWL<br><br>- TFT BASIC (H)<br><br>- SDB <sup>7)</sup><br><br>- MIO                                                                                                              | - TFT BASIC (C&H)<br><br>- SDB<br><br>- MIO                                                            | - MSDI<br><br>- TFT BASIC (C&H) |
| <b>Special</b>                  | S-100 Seminar                                                                               | - S-100 Seminar<br><br>- Hydro. Survey for disaster relief Seminar<br><br>- Tsunami Inundation Mapping Workshop                                 | - S-100 Seminar<br><br>- Hydro. Survey for disaster relief Seminar<br><br>- Cartographic Production Database System Workshop<br><br>- Multi-beam Survey and Seabed Classification | - Hydrographic Database System Workshop<br><br>- Enhanced Delivery Method of Hydrographic Data Seminar | S-101 Seminar                   |
| <b>Staff Exchange Programme</b> | Singapore, Hong Kong                                                                        |                                                                                                                                                 |                                                                                                                                                                                   |                                                                                                        |                                 |
| <b>Technical Visits</b>         | - Vietnam<br><br>- Brunei Darussalam                                                        | Cambodia                                                                                                                                        | Timor Leste                                                                                                                                                                       |                                                                                                        |                                 |

MBA<sup>1)</sup>: Technical aspects of maritime boundaries, baselines and extended continental shelf

TWL<sup>2)</sup>: Tides and water level for hydrographic survey

TFT<sup>3)</sup>: Training for Trainers

MS & SC<sup>4)</sup>: Multi-beam Survey & Seabed Classification

MSI<sup>5)</sup>: Maritime Safety Information

MIO<sup>6)</sup>: Marine Information Overlay

SDB<sup>7)</sup>: Satellite Derived Bathymetric Charting

Highlighted: Funded

Highlighted: Funded and to be conducted (2016)

2. 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 a small number of programmes were funded by the CBSC/IHO. Therefore a number of the proposed programmes have not been implemented.

3. 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 | Phase1 | Phase2 | Phase3 | Last TV |
|-------------------------------------|----------|--------|--------|--------|---------|
| 1 Brunei Darussalam                 | 0        | 0      | 0      | 0      | 2014    |
| 2 Cambodia                          | 0        | 0      | 0      | 0      | 2016    |
| 3 China                             | -1       | 4      | 4      | 4      | 0       |
| 4 Democratic People's Rep. of Korea | 0        | 0      | 0      | 0      | 0       |
| 5 Indonesia                         | -1       | 4      | 4      | 2      | 0       |
| 6 Japan                             | -1       | 4      | 4      | 4      | 0       |
| 7 Malaysia                          | -1       | 4      | 4      | 4      | 0       |
| 8 Philippines                       | 1        | 4      | 4      | 4      | 0       |
| 9 Republic of Korea                 | -1       | 4      | 4      | 4      | 0       |
| 10 Singapore                        | -1       | 4      | 4      | 4      | 0       |
| 11 Thailand                         | -1       | 4      | 4      | 4      | 2004    |
| 12 Timor-Leste                      | 0        | 0      | 0      | 0      | 2016    |
| 13 Viet Nam                         | -1       | 1      | 1      | 0      | 2014    |

(Source: Mr. Alberto Costa Nevos, IHB)

#### Key to required training

- 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 in a sustainable manner
- 4 - The country fulfils its national obligations through a third party

4. The EAHC would like to submit a three-year Work Plan 2018-2020 based on the unimplemented programmes from the five-year Work Plan as follows:

| Training            | 2018                                                                  | 2019                                          | 2020                                                    |
|---------------------|-----------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------|
|                     | Programme                                                             | Programme                                     | Programme                                               |
| <b>Basic</b>        | BASIC (Carto & Hydro)                                                 | BASIC (Carto & Hydro)                         | BASIC (Carto & Hydro)                                   |
| <b>Intermediate</b> | Cat B Cartography (Phase 1)                                           | Cat B Cartography (Phase 2)                   | Cat B Cartography (Phase 3)                             |
| <b>Advanced</b>     | - TFT BASIC (Carto & Hydro)<br>- MSDI                                 | - TFT BASIC (Carto & Hydro)<br>- MIO<br>- TWL | - TFT BASIC (Carto & Hydro)<br>- SDB                    |
| <b>Special</b>      | - Cartographic Production Database System Workshop<br>- S-101 Seminar | - Hydrographic Database System Workshop       | - Enhanced Delivery Method of Hydrographic Data Seminar |

5. Training for Trainers (TFT) courses are highly valued by the Commission since they nurture trainers to return to their home countries and train others in their mother tongues. This will lead to more effective outcome as most Member States are non-English speaking countries. For this reason, they have higher priority in the CB Work Plan of the EAHC.

6. The EAHC has been conducting the TFT course since 2013. The 1<sup>st</sup> TFT Carto Workshop took place in November 2013 and the 2<sup>nd</sup> was in November 2014 both in the ROK. In 2014 master trainers delivered a basic course in their own countries. As for the TFT Hydro, the ROK will host the 1<sup>st</sup> TFT Basic Hydro in October 2016 for EAHC MSs and the Phase 2 of the course will be held in 2017.

7. The EAHC monitors its capacity building activities and sets up plans at TRDC BOD meetings every year

### **Action Required of CBSC**

8. The CBSC is invited to take note of this report.

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