16th MEETING OF THE IHO CAPACITY BUILDING SUB-COMMITTEE
IHO-CBSC16
Goa, India, 30-31 May and 1 June 2018

Paper for the Consideration by CBSC18

SEPRHC report

Submitted by:	SEPRHC CB Coordinator
Executive Summary:	This document provides a summary report of the CB activities at SEPRHC.
Related Documents:	SEPRHC Report for the IHO-CBSC16
Related Projects:	CBWP 2017 P-17 "Workshop on Bathy Database" P-21 "Workshop on Offshore Surveys" CBWP 2018 P-21 "Lidar Technology and Methodology for shallows waters and coastline hydrographic surveys P-27 "MSDI implementation and development"

1. Introduction / Background

SEPRHC capacity building requirements have been evaluated and established, according with the principles and objectives of the IHO Capacity Building Strategy. The support provided by IHO in the past years have contributed to improve the technical capabilities of member states, and consequently the quality of the products and services delivered by them to the maritime community.

2. Assessment of Capacity Building Phase Stage of Coastal States

	Member State	NHC o NHCC	CB Stage 1	CB Stage 2	CB Stage 3	Last TV
1	Chile	2	4	4	4	N/A
2	Colombia	1	4	4	3	N/A
3	Ecuador	1	2	4	2	N/A
4	Perú	1	2	4	4	N/A
5	Panamá	2				2005

3. Activities completed since CBSC15

Workshop on Workshop on Bathy Database was carried out at the Direction Hydrographic and Navigation, from 23 to 27 October 2017 in Lima – Peru.

Workshop Offshore surveys (geophysical analysis and identification of seamounts), was carried out at the Caribbean Hydrographic and Oceanographic Research Center of Colombia, from 23 to 27 October 2017 in Cartagena de India's – Colombia.

Both workshops were attended by delegates from the SEPRHC member states, as well as from other regional commissions (SWAtHC, MACHC).

4. Activities planned for 2018

Assistance to CBSC16 in name of SEPRHC in Goa, India

Lidar Technology and Methodology for shallows waters and coastline hydrographic surveys in Guayaquil Ecuador in November 2018

MSDI implementation and development in Cartagena de Indias.

Same to other circumstances, participation of delegates from other members of MACHC and SWAtCH will be invited

5. Challenges faced in the region

During the XIII SEPRHC the hydrographic commission detect that we are in good level of development in equipment, technology and vessels, but the human resources are few. Then is necessary give more support the capacity because the actual global situation is requiring more products, more efficiency, more accuracy, less time to give the final products and the HO must think that the hydrographic data will be used for other government agencies that work principally in environment.

The natural disasters are evident every day; The technology of the actual tide station, oceanographic buoys and other devices permit the online monitoring in real time the possible disaster, the precise time is when it will be coming, we can detect it's with less time but we cannot have stopped. So, when its occur, the hydrographer is one of the first in the disaster area to survey for detect the principal change in the bottom, changes in the piers and the state of aids to navigation. The hydrographer must be who show the obstructions the team that clean the canal for safe navigation.

In this order of ideas, the Commission are requiring the continuous support in capacity building of IHO. At the present time, national hydrographic services of the region are required, by maritime community and governmental agencies, to provide an increasing and more diverse number of products, in order to rise the efficiency and safety of their activities. In order to fulfill such requirements, member states must improve their technical capabilities, in aspects related to:

Hydrographic equipment and software for data collection and processing

- Professional competences of their technical personnel
- Marine geospatial information infrastructure
- ENC production and quality assessment

6. Achievements and lessons learned

During the workshops Colombia had permitted the participation of personal of other government agencies like Ministry of Foreign Affairs, Ministry of Mines and Energy, terrestrial institutes, geodesies institutions, naval academies and local universities. The aim, show the wide field that the hydrographer cover.

The same kind of auditory was invited in the two first days of XIII SEPRHC where the auditory to learned the maximums scope of hydrography and spread the awareness of the person that can contribute to development of the hydrographic service in the country.

The lesson learned is that the Hydrographic Service must be involucrate other stakeholders interested. The support is coming with budget and approbation of projects.

7. Conclusions:

- Capacity building activities sponsored by IHO and organized by the SEPRHC, contribute to increase and standardize the technical capabilities of its member states.
- The CBWP for the period 2018-2020 should consider actions that contribute fulfil the increasing requirements of the maritime community and governmental agencies, which demand the delivery of products that rise the efficiency and safety of their activities.

8. Actions required of CBSC:

The CBSC is invited to:

a. note the report
b. take any action consider appropriate.

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