

20th MEETING OF THE IHO CAPACITY BUILDING SUB-COMMITTEE
IHO-CBSC20
Denpasar - Bali, Indonesia + VTC (Hybrid Meeting)
01 - 03 June 2022

Paper for the Consideration by CBSC20

South West Atlantic Hydrographic Commission (SWAtHC) Report

Submitted by:	SWAtHC CB Coordinator
Executive Summary:	This document provides a summary report of the CB activities at SWAtHC.
Related Documents:	SWAtHC CB Work Plan 3 years 2022-2024.
Related Projects:	xxx

1. Introduction / Background

On 16th November 2006, Argentina, Brazil and Uruguay signed the cooperation agreement that resulted in the South West Atlantic Hydrographic Commission (SWAtHC). The main achievements have been the development of a regional Cartographic Plan, establishment of a Planning Commission to coordinate INT Charts and ENC production and the acceptance of Paraguay and Bolivia as Associate Members and Observer, respectively. The high level of harmonisation between all members results in a region without overlaps in ENCs, nor unassessed CATZOCs and gaps being addressed.

The new CB Work Plan (2022-2024) is based on the assessment of the phase of development of each of the coastal State within the SWAtHC region in accordance with the IHO CB Strategy and arranging training activity to build the necessary capability to meet SOLAS Convention obligations and IHO Standards and Resolutions.

2. Assessment of Capacity Building Phase Stage of Coastal States

Members	NHC or NHCC	CB Phase 1	CB Phase 2	CB Phase 3	Last TV
Argentina	2	4	4	4	N/R
Brazil	2	4	4	4	N/R
Uruguay	2	4	4	4	N/R
Paraguay (Associate)	2	2	2	1	2014
Bolivia (Observer)	2	2	2	1	*

* SWAtCH intend to carry out a Technical Visit to Bolivia in 2022.

KEY

2.1. The numerical grid below describes the status of the National Hydrographic Committee (NHC)/National Hydrographic Coordination Committee (NHCC):

Value	Assessment
-1	No information available.
0	The country does not have a NHC/NHCC.
1	The country is in the process of establishing a NHC/NHCC.
2	The country has established a NHC/NHCC.

2.2. The numerical grid below applies to the Phases:

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

Note: the assessment represented by 3 is an alternative to 4 as explained in the IHO's Capacity Building Strategy.

2.3. Those coastal states with a mature hydrographic service do not require a technical visit and can be marked as N/R (not required).

Technical Visit reference: https://www.iho.int/mtg_docs/CB/Assessment_Reports.htm

3. Completed Activities since CBSC19

In 2021, one day before SWAtHC meeting, August 30th, a Hydrographic Awareness Webinar was arranged, with the coordination of Uruguay (SOHMA). This event had dual objective: one is to promote the arising awareness of the importance of hydrography for the Associate and Observer members of the SWAtHC, as well as to give to these representatives the opportunity to participate in the HC meeting, exposing them to the benefits of being proactive members of the Commission and encourage eventual full membership of the IHO.

The Webinar had approximately 48 participants, and the feedback was so good.

Five lectures were held:

- IMO (SOLAS Convention and Navigational Warning Service)
- IALA (with emphasis on aids to navigation - inland waters)
- IHO's Capacity Building Program
- Water level in estuaries and rivers
- Inland ENC's - cartographic production process.

The other events which had allocated resources, Technical Visit to Bolivia, has been affected by the incidence of the pandemic and it was postponed to 2022, as well as the Port and Shallow Water Survey Course (5 days) – Brazil.

The events that had not resources allocated, but were established in CBWP-2021, as shown below, were canceled:

- Multibeam Data Processing and bathymetry database Workshop; and
- Data Management Workshop.

4. Activities planned for 2022 and 2023

SWAtCH intends to carry out the following events for 2022, which received funds from IHO CBWP:

- Technical Visit to Bolivia (2 days) - (Priority 1);
- Seminar on Raising Awareness of Hydrography (1 days) – Uruguay (Priority 2); and
- Port and Shallow Water Survey Course (5 days) – Brazil (Priority 3).

SWAtHC also proposed three (3) other events for 2022, but they did not receive funds so far:

- MBES Data Processing Course (SOHMA - Uruguay);
- MSDI and Data Management Workshop (SHN - Argentina); and
- Basic ENC production Course (DHN - Brazil).

For 2023, SWAtHC submitted to CBSC the following proposals, in priority order:

- MBES Data Processing Course – (SHN - Argentina);
- Data management course for ENC S-100 production – (SOHMA - Uruguay); and
- Tides and Water Level Workshop – (DHN – Brazil).

In addition, SWAtHC intend to invite 2 representatives from MACHC and SEPRHC to participate in all Courses or Workshops approved for 2022.

5. Challenges faced in the region

Currently, our region has a challenge to perform face-to-face activities that were no longer performed in 2020 and 2021, in view of the social isolation measures due to the COVID-19 pandemic.

Another challenge is to encourage Paraguay and Bolivia to join the SWAtHC as full members following their accession to the IHO. In 2022, SWAtHC intend to carry out a technical visit to Bolivia.

The implementation of the S-100 is another goal that SWAtHC members are constantly striving to achieve.

6. Achievements and lessons learned

The Webinar carried out by Uruguay had approximately 48 participants, and the feedback was so good.

All activities conducted in recent years improve the practical and theoretical skills developed by Latin America hydrographers and nautical cartographers in performing hydrographic activities.

Internal training led by the personnel who received the same training in other events is an effective tool for knowledge management and shows itself as a positive action in capacity building.

SWAtHC participated with 2 hydrographers in the virtual training kindly organized by UKHO, whose contents were:

- Understanding ENCs,
- Introduction to S-57, and
- Compiling for Navigational Safety.

Training of Foreign Countries Personnel:

- at DHN (Brazilian financing), in 2021, one Officer and a Petty Officer from Senegalese Defense Forces concluded the Course in Hydrography for Officers (CAHO) and the Course in Hydrography and Navigation for Petty Officers, respectively.

- In 2022, at DHN, an Officer from Camarões is performing the Course in Hydrography for Officers (CAHO), course recognized by IBSC/IHO as Cat “A”.

7. Conclusions

SWAtHC is committed to carrying out Hydrographic, Cartographic and Capacity Building activities according to IHO objectives and goals.

The Seminar on Raising Awareness of Hydrography achieved its aim with the SWAtHC Associate and Observer Members to their obligations under SOLAS to deliver hydrographic services in their countries. They are now in a better position to determine the best way to fulfill their States' obligations for providing appropriate hydrographic services in the interests of Safety of Navigation and protection of the marine environment.

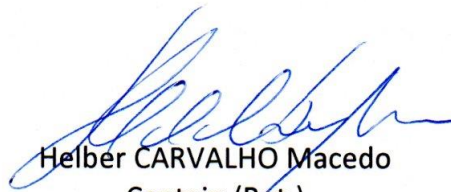
The Webinar performed in August 2021 proved to be an effective method in disseminating knowledge to many people, over long distances with low costs.

It is important that the Hydrographic Services take in account concrete measures in order to disseminate the learning received in the training programs financed by IHO, following the CB Strategy.

8. Action Required of CBSC20

The CBSC is invited to:

- a. Note this report.
- b. The SWAtHC is proposing three events to be performed in 2023 and requires approval.



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