



South East Pacific Hydrographic Commission (SEPHC) Report to IRCC3



Submitted by SEPHC Chairman: Captain Patricio Carrasco – Chile

Members: Chile, Colombia, Ecuador, Perú.

Observers: IHO representative.

1. Last Meeting: Valparaíso, Chile 4 – 6, April 2011.

2. Main items under consideration:

2.1. INT Chart Scheme¹

SEPHC INT Chart scheme has a total of 44 charts. From these, 6 charts (13.6%) are already published and 2 reprinted by other MS.

2.2. ENC Scheme

SEPHC Member States ENC production plan has a total of **487** cells. From these, **305** (**62.6%**) are already published. The table bellow shows the current situation.

SEPHC Member States ENC Production and Coverage Status²

Country	cells produced and delivered	cells produced not yet available	cells to be produced	Total cells
Chile	172	12	16	200
Colombia	0	0	71	71
Ecuador	25	0	64	89
Peru	108	19	0	127
Total	305	31	151	487

2.3. Establishment of SEPHC Working Groups

During the last meeting, SEPHC established the directions to prepare a Work Program for the following four Working Group: WEND, CBSC, HSSC and IRCC. Each WG must send to the Chairman its respective program no later than July, 2011.

Each WG will use Skype technology to establish a video conference for sharing the experiences and results of the tasks they have been defined.

2.4. Capacity Building

Additionally, in the last meeting SEPHC approved its Capacity Building Plan for 2012-2017, considering the skills, needs and characteristic of the region and also based on the IHO CBSC strategy.

This Plan has been designed as follows:

¹ CL31/2011. P-7: ANNUAL REPORT OF THE IHO FOR 2010. Appendix V

² 10th Meeting SEPHC – 2011. 4 – 8 April 2011

N°	Topic	Activity	Execution	Hosted by	Status of the request
01	The importance and contribution of the Hydrographic Services to the sustainable development from an economic and social focus.	Seminar	2012	Peru. Directorate of Hydrography and Navigation (DHN)	CBSC support already requested.
02	Methodology and standards for creating inundation charts.	Workshop	2012	Chile. Chilean Navy Hydrographic Service (SHOA)	CBSC support already requested.
03	S-100 procedures for data interchange.	Workshop	2013	Ecuador. Oceanographic Institute of the Navy (INOCAR)	Due date to request CBSC support: March 2012
04	Using CARIS HPD technology for nautical chart production.	Workshop	2013	Peru. Directorate of Hydrography and Navigation (DHN)	Due date to request CBSC support: March 2012
05	River surveys methodologies and procedures.	Workshop	2014	Peru. Directorate of Hydrography and Navigation (DHN)	Due date to request CBSC support: March 2013
06	Multibeam processes and methodologies for data management.	Workshop	2015	Colombia. General Maritime Directorate (DIMAR)	Due date to request CBSC support: March 2014
07	Shallow waters surveys using LIDAR technology	Workshop	2016	Ecuador. Oceanographic Institute of the Navy (INOCAR)	Due date to request CBSC support: March 2015
08	Offshore surveys. Geophysical analysis and seafloor identification.	Workshop	2017	Colombia. General Maritime Directorate (DIMAR)	Due date to request CBSC support: March 2015

3. Results for the IRCC2 Actions List

- IRCC 02/01. Adopt objectives to accelerate the process of ratification of the protocol of amendments to the IHO Convention in order to meet the end of 2011 deadline.

During the last SEPHC meeting, Members States agreed they are going to accelerate the administrative process within their own country to ratify the protocol of amendments to the IHO Convention in order to meet the end of 2011 deadline.

- IRCC 02/02. Encourage the approval of pending applications for IHO membership

Not applicable to SEPHC

- IRCC 02/05. Report to IRCC3 on:

- The methodology used for assessing and displaying survey status, taking into account navigational and MSDI requirements.
- The implementation of the guidance for the preparation and maintenance of International chart schemes.

SEPHC WG (WEND, IRCC, HSSC) are working for establishing a common methodology for assessing and displaying survey status. Also, they will prepare a common guidance for preparation and maintenance INT chart schemes.

- Their experience in dealing with marine disasters in relation with IHO guidelines.

Despite IHO guidelines regarding marine disasters are more involved with the correct production of nautical charts in order to avoid accidents at sea, SEPHC Member States have identified Tsunamis occurrence as the main issue to coordinate their own activities. During last earthquake and tsunami occurred March 11, 2011, SEPHC Hydrographic Offices worked together, sharing information to control the evolution of the tsunami, before waves arrived to the South East Pacific Coast. During the X SEPHC Meeting, Members States exposed and discussed proceedings, actions and technical aspects to mitigate tsunamis both at local as well as far-field occurrence.

- Strategies to involve non-IHO MS in RHC activities.

Not applicable to SEPHC

- IRCC 02/06. Nominate a representative to the IHR Editorial Board and report to the IHB.

Cdr. (Ret) Julio Behr L, from the Directorate of Hydrography and Navigation, from the Peruvian Navy was nominated during the IX SEPHC meeting carried out in Cartagena, Colombia, November 2010.

- IRCC 02/12. Request follow up reports from recipients of CB Fund support and submit them to the IHB.

Requirements for CB funds have been requested to the IHB following the procedures and statutes established by the CBSC.

4. Conclusions:

SEPHC is committed to accomplish hydrographic, cartographic and oceanographic activities in order to achieve the objectives and goals defined by the IHO. This way, will allow a nautical chart production (paper charts and ENC's) with a common fulfillment of the technical standards and procedures.

CBSC initiative gives the appropriate frame for sharing experiences and knowledge of the processes both, at the field as at the office. Through this way, it will be possible to achieve a common way for processing data and also for achieve an adequate nautical charts cover for the South East Pacific Region.

5. Next meeting: Lima, Perú, June 2013.

6. Proposals: The IRCC is invited to take note of this report.