

15th MEETING OF THE IHO CAPACITY BUILDING SUB-COMMITTEE
IHO-CBSC15
Paramaribo, Suriname, 7-9 June 2017
Paper for the Consideration by CBSC15

USCHC report

Submitted by:	USCHC CB Coordinator
Executive Summary:	This document provides a summary report of the CB activities at USCHC.
Related Documents:	N/A
Related Projects:	COMREN (to be briefed separately)

1. Introduction / Background

USCHC - Canada and United States of America are full members.

2. Assessment of Capacity Building Phase Stage of Coastal States

Both Canada and USA are considered to be at Phase 3.

3. Activities completed since CBSC14

Canada: Creation of Canadian Ocean Mapping Research and Education Network (COMREN)

USA:

- Chart Adequacy Training (NOAA)
 - In July 2016, NOAA, the University of New Hampshire (JHC), and GEBCO conducted the second Chart Adequacy Evaluation Workshop. The Workshop was held in Silver Spring, Maryland and co-sponsored by NOAA and the UKHO with 15 participants from 13 nations attending. This workshop provided training regarding a chart adequacy assessment procedure using automatic-identification system (AIS) data and satellite-derived bathymetry (SDB).
 - Training provided to: Barbados, Brazil, Canada, Japan, Malaysia, Pakistan, Peru, Russia, Vietnam, Netherlands, Mexico, and Thailand.
 - For further information, please contact Dr. Shachak Pe'eri at shachak.peeri@noaa.gov.
- ENC Training (NOAA)
 - Survey of Israel and Danish Hydrographic Office
- Hydrographic training
 - Two Category A certified hydrographic programs are available at the University of Southern Mississippi (USM) and the University of New Hampshire (UNH). US Navy and USM are partners in their Category A program and NOAA has a similar arrangement with UNH for their Category A program. US Navy also offers a six-month category B International Hydrographic Management and Engineering Program and mobile training via its Naval Meteorology and Oceanography Professional Development Center in Gulfport, Mississippi. US Navy's Category A and B programs and mobile training also qualify for Security Cooperation assistance. CAPT Andrew Armstrong, NOAA (ret.), NOAA co-director of the Joint Hydrographic Center

at UNH, is a member of the FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers. As a member of the board, CAPT Armstrong is available to advise institutions on establishing hydrographic training curricula and preparing submissions to the International Board for Category A or Category B recognition. (andy.armstrong@noaa.gov).

- MSI Training
 - NGA provided instructors for MSI Regional Course (MACHC)

4. Activities planned for 2017

Canada: COMREN

USA:

- Chart Adequacy Training (NOAA)
 - Third Chart Adequacy Evaluation Workshop. The Workshop will be held 11-13 July 2017
 - Training will be provided to: Argentina, Egypt, Israel, Japan, Russia, Philippines, Panama, Nigeria, Taiwan, Thailand, Madagascar, Mauritius, and Spain.
 - For further information, please contact Dr. Shachak Pe'eri at shachak.peeri@noaa.gov.
- New Category B courses
 - NOAA-Nautical Cartography beginning August 2017
 - NGA-Nautical Cartography beginning June 2017
- Open house on Nautical Cartography
 - New annual event in collaboration with GEBCO and CaGIS to promote nautical cartography.
 - Held in conjunction with International Cartographic Conference.
- Technical Visit to Haiti (NGA)

5. Challenges faced in the region

None noted.

6. Achievements and lessons learned

None noted.

7. Conclusions:

USCHC members continue to support various CB projects world-wide and are increasing opportunities for training.

8. Actions required of CBSC:

The CBSC is invited to note the report.

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