

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

**IHO-CBSC16
Paper for the Consideration by CBSC16**

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:	N/A

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 CBSC15

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

USA:

- Chart Adequacy Training (NOAA)
 - In July 2017, NOAA, the University of New Hampshire (JHC), and GEBCO conducted the third Chart Adequacy Evaluation Workshop. The Workshop was held in Silver Spring, Maryland and co-sponsored by NOAA and the UKHO with 15 participants from 12 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: Egypt, Israel, Japan, Madagascar, Mauritius, Nigeria, Panama, Philippines, Russia, Spain, Taiwan, and Thailand.
 - For further information, please contact Dr. Shachak Pe'eri at shachak.peeri@noaa.gov.

- 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.

4. Activities planned for 2018

Canada:

- Canadian Ocean Mapping Research and Education Network (COMREN)
Shallow Survey 2018 1-3 October 2018
Delta Hotel and Conference Centre, St. Johns NL Canada
For further information, please contact Paul.Brett@mi.mun.ca

USA:

- Chart Adequacy Training (NOAA)
 - Fourth Chart Adequacy Evaluation Workshop. The Workshop will be held 23-25 July 2018
 - For further information, please contact Dr. Shachak Pe'eri at shachak.peeri@noaa.gov.
- New Category B courses
 - NOAA-Nautical Cartography beginning August 2018
 - NGA-Nautical Cartography beginning June 2018
- Open house on Nautical Cartography
 - Annual event in collaboration with GEBCO and CaGIS to promote nautical cartography.

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.

The US would like to provide the opportunity for the CBSC to nominate two trainees to join the annual 042965NOAA Chart Adequacy Workshop which will be a useful resource to expand capacity in hydrography worldwide

The US recommends the CBSC evaluate the invitation from NOAA to utilize this workshop to support its goals from 2019 and beyond.

8. Actions required of CBSC:

US request that the CBSC consider this proposal against the CB Strategy and determine if the invitation contained is of interest for further pursuit by the CBSC

Calvin Martin
USCHC CB Coordinator