



NIOHC Capacity Building Update

Presented by UKHO



NIOHC CB



In this short presentation I will cover the following topics:-

- The activities completed in 2017
- The NIOHC CB Plan 2018 to 2020
- The endorsed activities for 2018
- The proposed activities for 2019



Activities Completed in 2017



Technical visits

High level visit to *Seychelles*

Training Courses

Myanmar benefited from a one week
Advanced Chart Production course

Bangladesh also benefitted from a one week
Advanced Chart Production course



Activities Completed in 2017 (continued)



	Bangladesh	Myanmar	Sri Lanka
CARIS Paper Chart Composer	Completed in September 2017	Completed in August 2017	Completed February 2013
CARIS S-57 ENC Composer	Completed May 2014	Completed March 2014	Completed April 2016
CARIS MBES Processing	Completed April 2015	Completed June 2016	Completed April 2015



Activities Completed in 2017 (continued)



Training Courses

MSI training course delivered in Fish Hoek, South Africa, 05-07 September 2017

- The following states participated:

Bangladesh, Mauritius, Oman (2), Pakistan, Seychelles, Sri Lanka (2), Sudan & Thailand

Together with *Gambia & Nigeria* from the EAthC and eight members of the SAIHC

- Training delivered by United Kingdom and United States



NIOHC CB Plan 2018-2020



INTERNATIONAL HYDROGRAPHIC ORGANIZATION
NORTH INDIAN OCEAN HYDROGRAPHIC COMMISSION



CAPACITY BUILDING PLAN *Programme document for the period 2013-2017*

1. INTRODUCTION

1.1. Rationale

The Indian Ocean provides major sea routes connecting the Middle East, Africa, and East Asia with Europe and the Americas. It carries a particularly heavy traffic of petroleum and petroleum products from the oilfields of the Persian Gulf and Indonesia. Its fish are of great and growing importance to the bordering countries for domestic consumption and export. Fishing fleets from Russia, Japan, South Korea, and Taiwan also exploit the Indian Ocean, mainly for shrimp and tuna. Large reserves of hydrocarbons are being tapped in the offshore areas of Saudi Arabia, Iran and India. An estimated 40% of the world's offshore oil production comes from the Indian Ocean. Beach sands rich in heavy minerals and offshore placer deposits are actively exploited by bordering countries, particularly India, Indonesia, Sri Lanka, and Thailand. For these reasons, it is crucial that SOLAS contracting Governments undertake hydrographic surveys as and when required, that they arrange for the compilation and publication of hydrographic data, the dissemination and keeping up to date of all nautical information necessary for safe navigation.

The IHO Capacity Building Strategy classifies the development of hydrographic services into three phases:

- those which are in Phase 1: Collection and circulation of nautical information, necessary to maintain existing charts and publications up to date;
- those which are in Phase 2: Creation of a surveying capability to conduct coastal and offshore projects; and
- those which are in Phase 3: Produce paper charts, ENC and publications independently.

Coastal/maritime states have certain treaty obligations (SOLAS) placed on them and the IHO/NIOHC effort aims at assisting states in meeting these obligations. To achieve this a national understanding and coordination effort is required noting that:

- resources (human, time, finance etc) are limited, consequently prioritization is a fundamental issue;
- planning must be realistic;
- longer term training such as CAT A or B are not covered because such training is out of the scope of the IHO CB budget.

Nowadays, the rapidly evolving technology has replaced old navigation paradigms and demands continuous investments in education and training so that the Hydrographic Services can continue to provide high quality products and services which satisfy new demands of the maritime community.

NIOHC is aware of its Member States' efforts to provide quality service to the international maritime community in order to contribute to the safety and security of navigation and human life at sea as well as the preservation of the environment in its region and, as part of the IHO community, to contribute to the achievement of the objectives and directions of the Organization.

1.2. Aims and objectives



NIOHC CB Plan 2018-2020



Since the last meeting of the NIOHC in *Egypt* I have worked to the first year of our three year CB plan

There were three activities identified for 2018:-

- Phase 1 Skills Course
- Survey Technician training for Mauritius
- Senior Survey Technician training for Mauritius



The Endorsed Activities for 2018



In a time of greater competition for financial resources for CB activity all **three** submissions were approved by the CBSC which met in Paramaribo, Suriname, June 2017

- Phase 1 Skills Course
- Survey Technician training for Mauritius
- Senior Survey Technician training for Mauritius

Note at this time only the Phase 1 Skills Course is funded for delivery in 2018



NIOHC CB Plan 2018-2020



The NIOHC CB Plan 2018-2020 will be reviewed annually at NIOHC meetings and any emerging requirements for the other training initiatives listed (reference section 2) can be discussed by NIOHC members for inclusion into the next years plan, noting that submissions made to the CBSC for funding consideration are for the succeeding year



The Proposed Activities for 2019



- Seminar on Raising Awareness of Hydrography (1 day) to precede the 19th NIOHC meeting
- MSDI and Database Management (5 days)
- MBES Processing (5 days)
- Technical Implementation Visits (need to be requested)



The Proposed Activities for 2019



In a period of greater competition for CB funding it cannot be guaranteed that all activities will be endorsed

Noting that Technical visits and MSI courses nearly always get approved are the membership happy with my proposals?



Advanced Training Opportunities



Japan through the Nippon Foundation –
GEBCO Graduate Training Project at the UNH,
USA (1 year)
CAT B Cartography (15 weeks) at the UKHO

Republic of Korea -

Masters programme in Hydrographic Surveying at
the USM, USA (1 year)
CAT B Cartography (15 weeks spread over 3
years) at KHOA, Busan, ROK



Advanced Training Opportunities



CAT B Cartography (15 weeks) at the UKHO

- Thailand was selected for last years (2017) course
- Thailand has been selected for this years (2018) course



Advanced Training Opportunities



There may still be time to apply for a place on the Bangladesh Navy:

Basic Hydrography Course (CAT B) at the
BN Hydrographic School, Chittagong

See Letter to IHO SG dated 21 Jan 2018



Questions



Any Questions?