



# NIOHC Capacity Building Update

*Presented by UKHO*



# NIOHC CB



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

- The activities completed in 2014
- The NIOHC CB Plan 2013 to 2017
- The endorsed activities for 2015
- The proposed activities for 2016



# Activities Completed in 2014



## Technical visits

*Jordan* was visited by the IHB in November 2014

## Training Courses

*Bangladesh* and *Myanmar* both benefited from a one week Advanced ENC Production training course



# Activities Completed in 2014



## Training Courses

MSI training course in conjunction with the  
RSAHC

Held in Muscat, Oman, 15-17 December  
2014

The following NIOHC members benefited:-

*Bangladesh, Egypt, Saudi Arabia, Sri Lanka,  
Mauritius, Myanmar, Oman, Pakistan,  
Sudan & Thailand*



# NIOHC CB Plan 2013-2017



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 2013-2017



Since the last meeting of the NIOHC in *Thailand* a year ago I have worked to our five year CB plan

There were three activities identified for 2015:-

- ENC Quality Assurance
- Introduction to MBES
- CARIS MBES Processing Course (two in number)



# The Endorsed Activities for 2015



In a time of greater competition for financial resources for CB activity all **four** submissions were approved by the CBSC which met in Brest, France, May 2014

- Introduction to MBES (in conjunction with IIC Technologies) Completed last month
- ENC Quality Assurance (I need a venue for this activity!)
- x2 CARIS MBES Processing courses



# NIOHC CB Plan 2013-2017



The NIOHC CB Plan 2013-2017 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 2016



- Basic Hydrographic Survey Course (10 days)
- MSDI and Database Management (5 days)
- x2 CARIS technical training courses (5 days)
- Repeat Technical Visits?

**OR** we could have a vote? (similar to the one we had in Yangon in 2012)



# The Proposed Activities for 2016



	Bangladesh	Myanmar	Sri Lanka
<b>CARIS Paper Chart Composer</b>			Completed February 2013
<b>CARIS S-57 ENC Composer</b>	Completed May 2014	Completed for March 2014	
<b>CARIS MBES Processing</b>	Arranged April 2015		Arranged April 2015



# The Proposed Activities for 2016



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  
*See IHO CL 10/15 for this course*

## **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



# Questions



Any Questions?