



# IHO Capacity Building Strategy

The three stages of development of hydrographic capacity

*Presented by UKHO*



# Introduction



- What is Capacity Building?
- Background
- IHO Capacity Building Strategy
- The Three Phases of Capacity Building
- The Process
- More information?



# What is Capacity Building?



The IHO defines Capacity Building as:

*“the process by which the organization assesses the status of current arrangements and assists States to achieve sustainable development and improvement in their ability to meet hydrographic, cartographic and maritime safety obligations with particular reference to recommendations in UNCLOS, SOLAS, and other international instruments.”*



# Capacity Building Background



CB vital in efforts of intergovernmental technical organisations to support UN development goals

IHO Capacity Building Sub Committee established in 2003 to co-ordinate effort. It has already:

- Established IHO Capacity Building Strategy
- Established approved Assessment Criteria for Development of Hydrographic Capability
- Developed a Capacity Building Management Plan
- Created Capacity Building Fund
- Organized RHC Seminars and Technical Workshops
- Provided support to students to attend Courses



# IHO Capacity Building Strategy



To provide strategic guidance for IHO capacity building to ensure optimum contribution to safety of life at sea, to the protection of the environment, and to national economic development. Principles:

- National needs and capacity for infrastructure development assessed against three phases of development
- Skill / technology transfers provide appropriate, sustainable, solutions
- Regional coordination/co-operation of CB projects
- Capacity building to develop hydrographic services, supported by National Administration
- Benefits from enduring output, not infrastructure



# IHO Capacity Building Strategy – Procedures



Aim: To enable RHCs and CBSC to optimize funding

- RHCs submit inputs to CBSC by 1 April each year
- All RHCs to include S-55 and input to CBSC on their agendas
- Thorough assessment of submissions by RHC Chairs



# IHO Capacity Building Strategy – Prioritisation Matrix



## Risk Score

SOLAS	Significant passenger traffic; port regulation
Shipping density	Major international
Navigational complexity	Unsurveyed or poor quality
Environmental impact	Designated sensitive areas; other known sensitive areas
Economic significance	High value economic activity

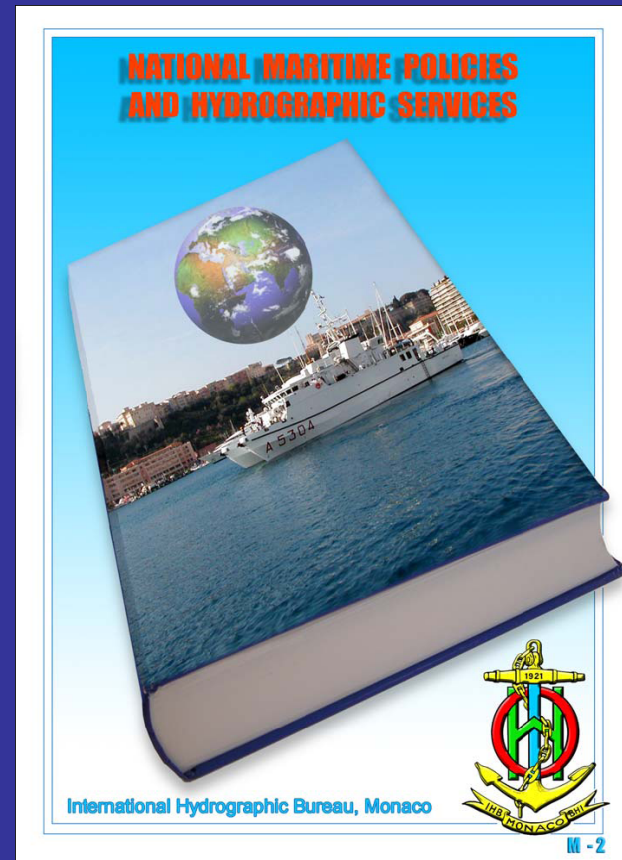


# Three Phases of Capacity Building



Three phases defined in IHO  
Publication M-2:

Downloadable for free from  
[www.iho.int](http://www.iho.int)







# Three phases of CB development – Phase 1



## Collection and circulation of nautical information, necessary to maintain existing charts and publications up to date

- Form National Maritime Safety Committee or National Hydrographic Committee
- Create/improve current infrastructure to collect and circulate information
- Strengthen links with charting authority to enable updating of charts and publications
- Minimal training needed



# Three phases of CB development – Phase 2



## Creation of a surveying capability to conduct: Coastal projects; Offshore projects

- Establish capacity to enable surveys of ports and their approaches
- Maintain adequate aids to navigation
- Build capacity to enable surveys in support of coastal and offshore areas
- Build capacity to set up hydrographic databases to support the work of the NMSC/NHC
- Requires funding for training and equipment or contract survey



# Three phases of CB development – Phase 3



## Produce paper charts, ENC and publications independently

- Is Phase 3 needed? (requires high investment for production, distribution and updating)
- Alternatively, bi-lateral agreements for charting can provide easier solutions in production and distribution (of ENC through RENCs) and rewards.



# The Process – Four Steps



- **Awareness:** IHB to campaign for establishment of the hydrographic services:  
to meet obligations under UNCLOS and SOLAS;  
to explore best means of raising awareness of the importance of hydrography in the funding agencies
- **Assessment:** S-55, Technical Visits
- **Analysis:** S-55, Technical Visits
- **Action:** Contact with decision-makers; advice to national experts; IHO and RHC assistance in co-ordination of regional survey, charting and MSI projects, includes advice on liaison with funding agencies and with industry  
Bilateral assistance by other IHO Member States, by MOU, or on contract or aid-funded basis



# More Information?



## Contacts

- IHO Technical Visits
- IHO Technical Workshops
- NIOHC Chair (or NIOHC CB Coordinator)
- IHB
- Bilateral partners

## Source material

- IHO website – [www.iho.int](http://www.iho.int)
- Capacity Building Sub Committee
- IHO publication M-2



# Questions



Any Questions?