



International Hydrographic Organization



Capacity building and modular courses

by Thomas Dehling



Revised Capacity Building Strategy (draft)

Training is a very important part of the IHO CB. The methodologies and the means of cooperation with training facilities play an important role in the success of funded trainings.

- priority for Maritime Safety Information (MSI),
- CAT A and B – depending on funding, MS only
- Training for the trainer (TFT),
- Standardization of trainings
- Investigation of blended and e-learning.



PHASES OF DEVELOPMENT OF HYDROGRAPHIC SURVEYING AND NAUTICAL CHARTING CAPABILITY

Phases of Development

Phase 1

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



Phase 2

Creation of a surveying capability to conduct:

- Coastal projects
- Offshore projects



Phase 3

Produce paper charts, ENC and publications independently

National Activity

- 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
- Strengthen links with NAVAREA Coordinator to enable the promulgation of safety information
- 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
- Provide basic geospatial data via MSDI
- Requires funding for training & equipment or contract survey
- The need shall be thoroughly assessed. 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.
- Further development of MSDI



Training and education in IHO CB

- Short courses

 - Maritime Safety Information Courses

- Workshops

 - Workshop on Port and Shallow Water Surveys

- CAT A and B courses

 - Funded seperately



Training and education in IHO CB

- Courses, seminars and workshops are often defined by RHCs and tailor made for concrete topics
- This has advantages but shortcomings as well
 - There is often additional preparatory work
 - The courses do not always fit to other regions or occasions
 - The different courses are not easy to compare



Training and education in IHO CB

Possible improvements, matter of discussion:

- Making trainings available to others can support CB
- Providing a suite of courses related to the phases of CB can assist RHCs in applying and CBSC in decision making
- Further standardize courses beyond Cat B
- A modular structure of these courses would support these efforts even more



Modular courses

- Devide longer courses into a number of slices to ease participation of trainees;
- Keep a balance of learning and practice while a hydrographic capacity in a country is being developed or kept;
- But it may complicate complement for a person;
- Define suites of courses that lead to a certain qualification;
- Necessary qualification in hydrography or cartography for a country to reach a certain phase



Thank you