



International Hydrographic Organization



The revised CB Strategy - current status

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Revision of the CB strategy

Develop a revised Strategy until 2014 and consider a.o.:

- Standardized trainings and a modular structure;
- Facilitate and speed up the process;
- Identify measures to improve the long-term effects;
- Check use of e-learning or self-learning;
- Provisions for raising the Awareness;
- Need to standardize the use of the CB Fund;
- Fast-track process for CB in emergency situations;



Revised Strategy (draft)

Principles of CB (1)

1. Assess needs and capacity firmly against the three phases;
2. Skill and technology transfers must result in solutions which are appropriate and sustainable.
3. Wherever possible, capacity building projects should be coordinated and supported regionally.
4. The State with developing hydrographic services must embrace and support the concept of CB as being in its national interest.
5. The focus should be on achieving enduring output which will benefit safe navigation, safety of life at sea, protection of the marine environment and economic development, rather than on creating enabling infrastructure per se.



Revised Strategy (draft)

Principles of CB (2)

6. Funding of Non MS is generally limited to technical visits and Phase 1 projects (limited exceptions);
7. Funding of equipment only, when embedded into a comprehensive programme and when insuring a sustainable effect and ongoing support. Whenever possible, external funds should be included;
8. Comprehensive programmes may be supported by start-up funds to allow participation in externally funded projects;
9. The use of consultants will be permitted if this supports the vision and the objectives of this strategy;
10. CB funds may be allocated for administrative purposes (the amount/percentage to be agreed by the CBSC);



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

Revised Capacity Building Strategy (draft)



Long term objectives:

- Phase 1 for all Countries with navigable waters;
- National plan for Phase 2 and 3;
- Develop 'country profiles' to measure the state of hydrography in every coastal state. In conjunction with IMO's TC Committee and IALA's World Wide Academy.

Revised Capacity Building Strategy (draft)



Short and mid term objectives (1):

- Raise awareness of the importance of hydrography at all relevant levels;
- Establish a GIS-based electronic version of C-55;
- Enable the IHO to present clear priorities for CB to UN, funding agencies and governments;
- Enable RHCs to establish a suite of regional CB initiatives and a prioritisation process;



Revised Capacity Building Strategy (draft)

Short and mid term objectives (2):

- Enable RHCs, where significant progress is required, to develop a holistic approach to CB, designed to deliver wide ranging assistance with suitable outcomes;
- Implement appropriate management of an IHO Capacity Building Fund.
- Produce and maintain an auditable IHO CB Management Plan.



Revised Capacity Building Strategy (draft)

The 4 steps (the 4 “A”s):

- **Awareness**
Raise priority of Hydrography
- **Assessment**
Identify and prioritize problems
- **Analysis**
Identify Projects based on national/regional priorities
- **Action**
Implementation of Activities. Follow-up

Revised Capacity Building Strategy (draft)



The 4 steps (the 4 “A”s):

	IHO	CBSC	RHC	Country
Awareness	XXX	XXXX	XX	X
Assessment	X	XXX	XXXX	XX
Analysis	XXXX	XXX	XX	X
Action	X	XX	XXX	XXXX



Revised Capacity Building Strategy (draft)

Risk assessment:

- robust basis for prioritisation;
- evidence-based and objective against set criteria;
- includes AIS analysis and economic assessment;
- main output is a risk heat map:
- a GIS is used for the analysis and to display the results. This allows complex data to be easily accessed and understood by key stakeholders to aid decision making.



Revised Capacity Building Strategy (draft)

Joint CB efforts:

The CBSC works closely together with stakeholders

- Nations,
- international and regional organizations,
- Non-Governmental Organizations (NGOs),
- Industry and academia

to find a broad basis for the cooperation for the benefit of the IHO CB Strategy.



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**The next steps:
Input from you!
Finalizing at CBSC12
Presentation at IRCC6
Presentation at 5EIHC**