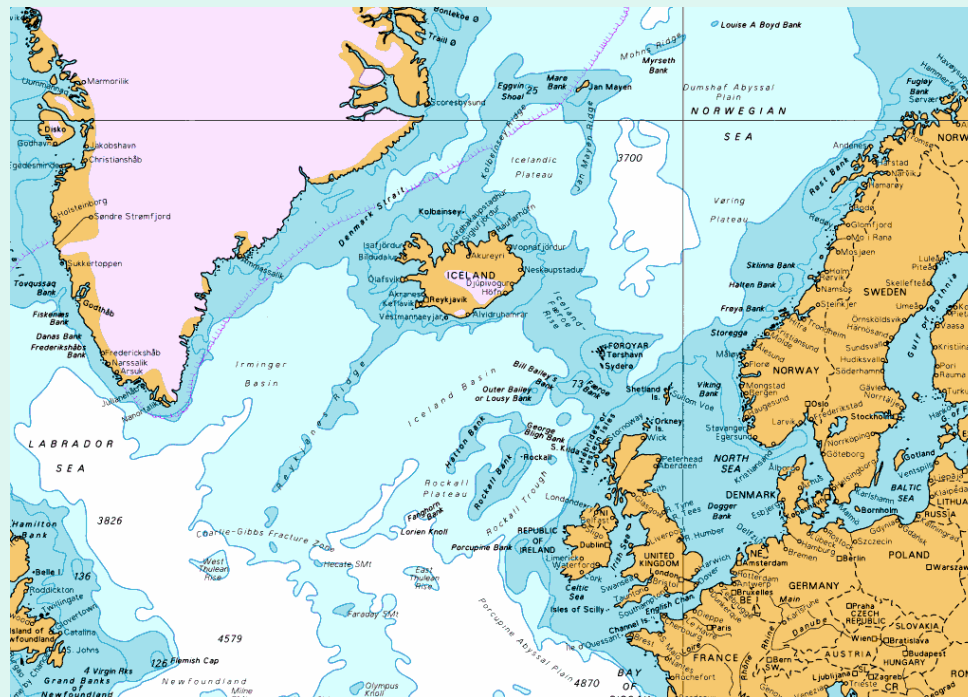


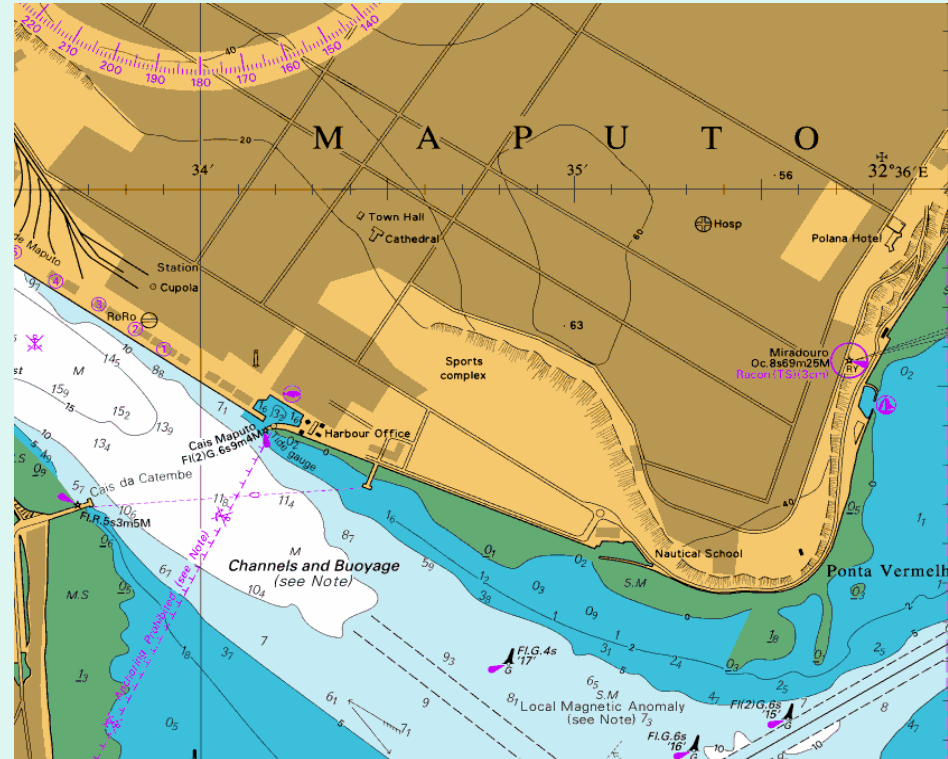
NSHC SUPPORT TO IHOCBC

- **Captain M K Barritt RN**
Vice Chairman IHOCBC



IHO CBC

- Full documentation available on IHO CBC section of IHO website (www.who.int).
- Progress report in IHO CL 58/2006.
- New funding available.
- Challenges of human resources for proposed programme.



IHO Capacity Building: the role of IHOCBC and RHCs **Assess and Analyse**

- **Standard RHC Agendas and National Reports.**
- **Prototype RHC CB Management Plan in SAIHC.**
- **Bids to IHOCBC by 1 April each year.**



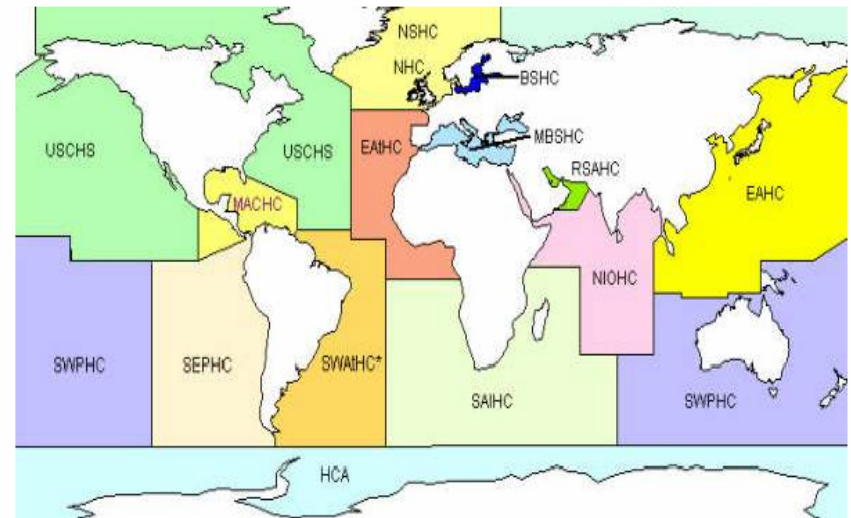
IHO/CBC Management Plan

Assess and Analyse > Action

- **Used to display bids from RHCs and to facilitate assessment and prioritisation in a systematic way.**
- **The tool for identification of the activities for inclusion in the IHO CB Work Programme.**

REGIONAL HYDROGRAPHIC COMMISSIONS

The IHO encourages the establishment of Regional Hydrographic Commissions (RHC), and offers advice on their formation. To date, 15 such Commissions, have been established, and meet at regular intervals to discuss issues mutual hydrographic interest. To access (RHC) meeting pages select the relevant commission on the map or list below.



Planning in progress	RSAHC EAHC	States of the regions (Pakistan, ROK)	MBES Course	Funding Travel and subsistence for 6 participants	€20k	€20k	Phase 2 Capability increase for conduct or oversight of MBES surveys.
Planning in progress	NIOHC RSAHC	Eritrea, Saudi Arabia and Yemen	Technical Visit, to include contact with PERSGA national representatives.	IHB visit.	Covered by IHO budget.		Raise awareness at governmental level, and prepare way for Phase 1 Technical Workshop.
Late application approved by CB4	SEPHC	Chile Colombia Ecuador Peru (Project also open to other countries.)	ENC Workshop hosted by the Servicio Hidrografico y Oceanografico de la Armada (SHOA) in Valparaiso, Chile	Funding a. Travel and subsistence funding (6 days in country) for 2 well know invited experts and one participant of each country with cartographic skills, working in ENC production. Plus logistics.	August 2006 € 7k	[CB Funds available, excluding ROK donation, €180k] € 7k	Opportunities + Increase ENC availability. + Improve standardization processes of validation and encryption + Possibilities of regional RENC establishment Risk reduction + Potential to reduce risk on regional routes and in approaches to ports.

ACTIVITIES APPROVED FOR 2007 BY CBC4

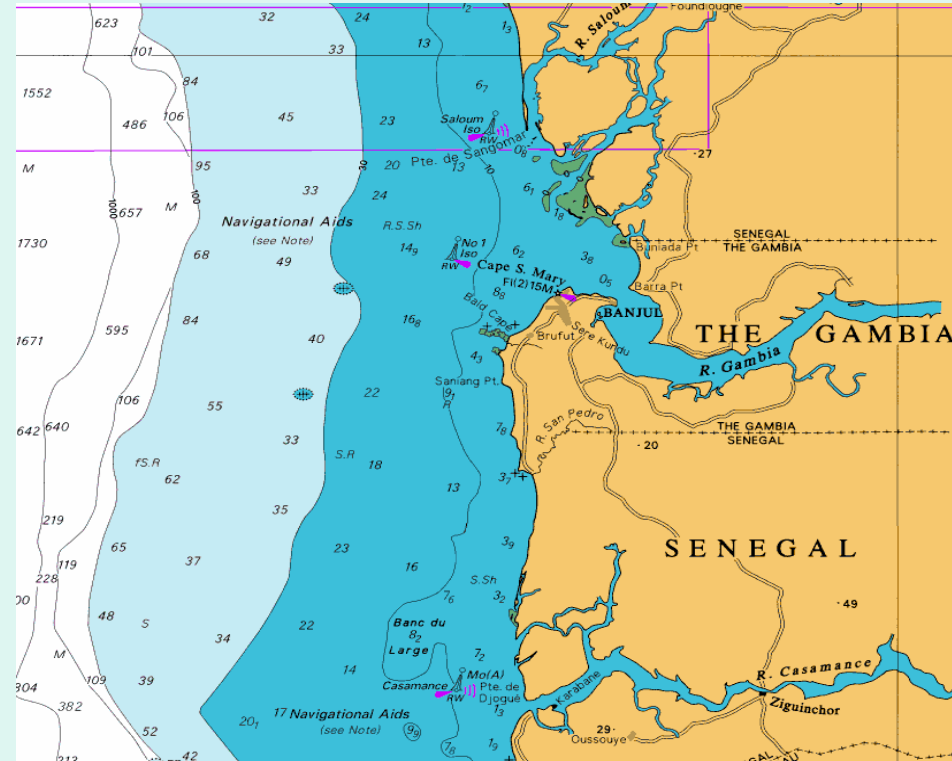
√	CBC	All MS	Develop TORs for consultant to produce guidelines for project development and submission. Consultancy hire.	Funding Travel and subsistence. Consultancy	AUS will produce TORs. € 5k € 7k	[€173k] € 13k	Facilitates IHO/CBC efforts to secure substantial WB project funding.
Candidate Item for first quarter	MACHC	Antigua, Bahamas, Barbados, Dominica, Grenada, Jamaica, St Kitts, St Lucia	CPRNW Training Course (5 days)	Funding a. Travel and subsistence for 10 students.	a. T € 2k S €10k (UK to fund students from OTs)	[€160k] € 18.5k	Early follow up to Technical Visits and identification of national co-ordinators. Phase 1 Capability increase. Risk Reduction + Potential to reduce risk on international and regional routes

**APPROVED CAPACITY BUILDING WORK PROGRAMME FOR 2006
UPDATED AT THE 4TH CBC, 07-08 June 2006**

Action	Activity	Draft Financial implication and Planning Figures
1 Planning in progress	Technical Visits to be paid by IHB to: a) Baltic Sea countries (Estonia, Latvia and Lithuania) b) Red Sea countries (Eritrea, Saudi Arabia and Yemen to include contact with PERSGA national Representatives) c) Suriname	Covered by IHO normal approved operational budget.
2 DONE	4th Capacity Building Committee Meeting to be held in Maputo, Mozambique, 7-9 June.	Covered by IHO normal approved operational budget.
3 DONE	Technical Workshop on Phase I for SAIHC, to be held in conjunction with 4th CBC Meeting on the 5 th June in Maputo, Mozambique.	a) Speakers: contribution MS b) Location: hosting MS c) 10 Participants: 10.000 euros
4 DONE	SAIHC AT technical visit probably led by South Africa, UK, France and IHB, February/March. (Malawi, Kenya, Tanzania, Namibia, Uganda, Seychelles , Mauritius and Madagascar)	a) 8 countries (7) b) 2 Participants: 10.000 euros (FR 2,5 PT 2 SA 2,5 UK 3) IHB budget
5 Planning in progress	Three days Seminar for Chairmen of National Hydrographic Committees (or equivalent) of MACHC, to be held in Acapulco, Mexico, 2-4 October.	a) Speakers: contribution MS b) Location: Mexico c) 12 Participants:20.000 euros
6 Planning in progress	Support attendance of some participants from EAHC and RSAHC to assist Multibeam Course in Singapore, Nov 2006	6 participants: 20.000 euros
7 In progress	MACHC to brief CARICOM Meeting of Transport Ministers (date to be determined)	Travel and subsistence one person 2.000 euros
8 50% DONE 50% planning	MACHC to follow up visits to countries visited in 1998, and visits to other island states. (Antigua, Montserrat, Anguilla, Bahamas, Turks & Caicos, Cayman Is., Jamaica = = Trinidad & Tobago, Barbados, Grenada, St. Vincent & Grenadines, St Lucia, St Kitts & Nevis, Dominica) (25 Mar-12Apr and	Travel and subsistence 2 persons 13.000 euros (UK)

Outcome of IHO/CBC4

- Circa 80% of the available budget for 2007, excluding new money from ROK, was allocated. **Financial resources are adequate.**
 - **Human resources and pragmatic ideas** are needed.
- What comes next after technical advisory visits and training?**



	A	B	C	D	E	F	G	
1						CBC4-13 WORKING DOCUMENT		
2			CAPACITY BUILDING WORK PROGRAMME 2008-2012				"WORKING DOCUMENT"	
3								
4								
5								
6	RHC	CBWP2008	CBWP2009	CBWP2010	CBWP2011	CBWP2012	COMMENTS BASED	
7							ON 2006/2007 WP	
8	NHC	Seminar on MSI/GMDSS for Polar Regions						
9	NSHC	Seminar on MSI/GMDSS for Polar Regions						
10	EAHC	In region seminar on survey of South China Sea "Dangerous Grounds"					2006 MB Course	
11	USCHC	Seminar on MSI/GMDSS for Polar Regions						
12	MBSHC	CPRNW Training Course on MSI and GMDSS		In region seminar on port & shallow water surveys		Technical Workshop on Automatic Data Collection, Data Processing and Data Management	2007 MB Course	
13	BSHC	Seminar on MSI/GMDSS for Polar Regions					2006 Technical Visit Estonia, Latvia and Lithuania 2007 MB Course	
14	EAtHC	In region seminar on datums and requirements for transfer of charts to WGS datum	In region seminar on port & shallow water surveys	MB Course	Technical Workshop on Automatic Data Collection, Data Processing and Data Management	Technical Workshop on ENC Production and Distribution		
	SEPHC		In region seminar on port & shallow water surveys	Technical Workshop on Automatic Data Collection, Data Processing and Data	In region seminar on vigia investigation and out-sourcing options		2006 ENC workshop 2007 Fluvial Hydrographic Survey	

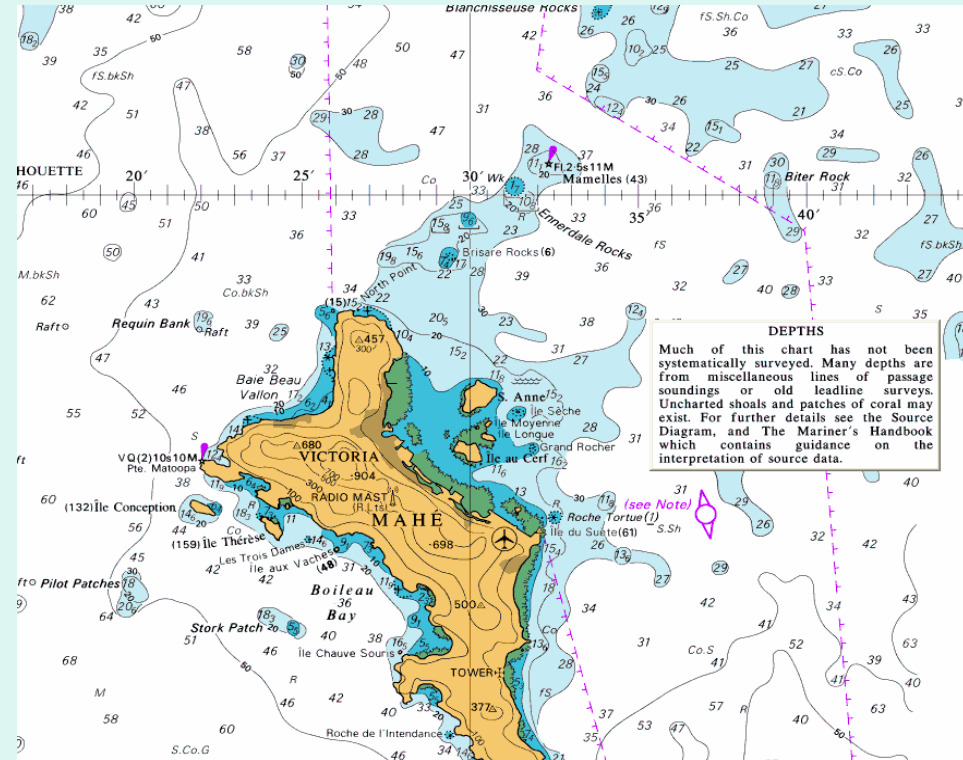
What can NSHC do?

- Influence on bilateral partners to provide S-55 input to RHC and IHB.
- Matching bilateral CB effort with IHOCBC WP. Importance of NSHC MS reports and discussion in second part of this Agenda Item.



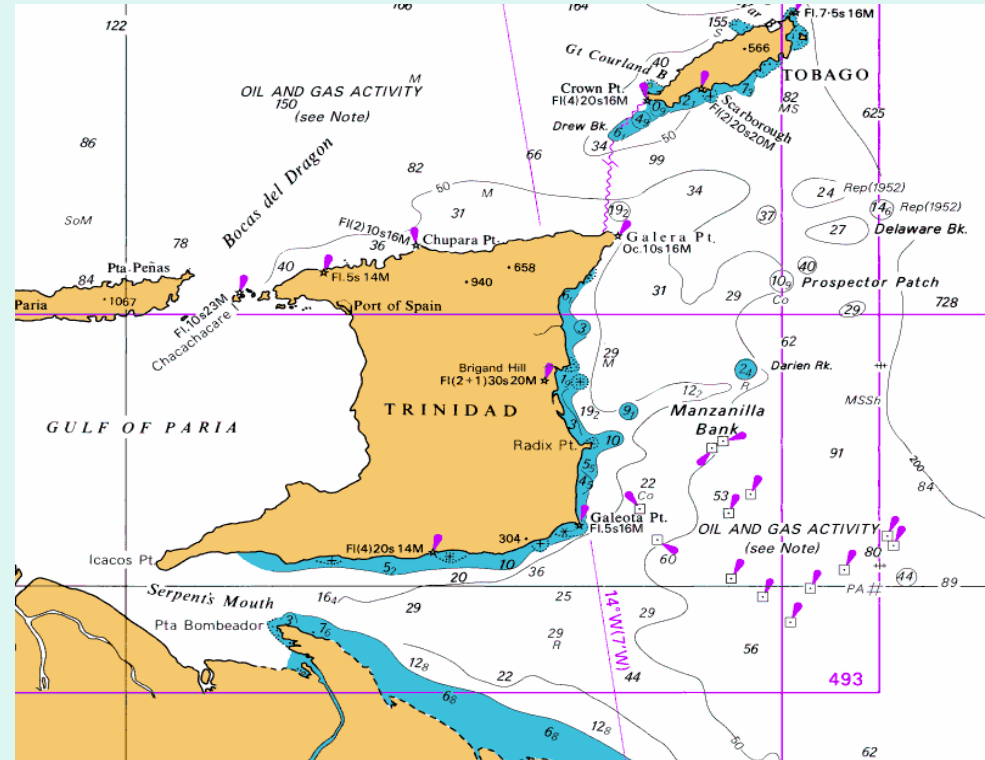
What can NSHC do?

- Influence on bilateral partners to provide S-55 input to RHC and IHB.
- Matching bilateral CB effort with IHOCBC WP.
- New ideas for CBC e.g. regional co-ordination; deployable teams.



Other Issues

- Development of tools for prioritisation, and for cost benefit analysis.
- Development of procedures for analysis of outcomes and derivation of lessons learned.



Key Issue?

- How is momentum to be launched and sustained in recipient countries?
- Answer?

IHO/IMO team-work in continued effort to high-light SOLAS V responsibilities and current glaring deficiencies?

