



Development of C-55

Presented by UKHO



Introduction



Background

3rd Edition of C-55

BSHC Solution

BSHC & IRCC3

Way forward

Questions



Background



1970 – UN commissioned an evaluation of hydrographic surveys and bathymetric charting worldwide

IHO tasked to undertake detailed study

Questionnaire to coastal states during the 1980's

First Edition of C-55 (S-55) in 1991 (46% of maritime nations)

Second Edition issued 1998 based on information collected 1995-96 (47% of maritime nations)



Background (continued)



Third Edition overseen by the IHO Capacity Building Sub-Committee (IHO CBSC) with the involvement of the RHCs

Response level now and encouraging 90%

C-55 now a database which is a foundational tool for the ongoing work of the IHO CBSC



3rd Edition of C-55



IHO C-55: Composite Report by Nation/Area

IHO C-55: **Canada** Updated **04 April 2007** INT Region **A**

Status of Hydrographic Surveys

A1	A2	B1	B2	C1	C2
30	15	10	10	30	25

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

Comment

1. The high proportion of inadequately surveyed waters is predominately due to the large areas of Arctic waters that are unsurveyed or covered by frontier surveys only.
2. Ecotourism, climate change and resource development are increasing demand for surveys in Arctic and frontier areas.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

A	B	C
100	100	100

Percentage of metric paper charts

Landfall Coastal passage/Medium

A	B	C
75	75	100

Percentage of paper charts on a satellite datum

Approaches Ports/Large

A	B	C
75	100	100

Comment

1. Arctic and other frontier areas are not covered by electronic chart products due to lack of demand.

Status of Maritime Safety Information

Local Warning

YES

Coastal Warning

YES

Port Information

YES

NAVAREA Warning

YES

via NAVAREA IV and XII Co-ordinator

Master Plan

YES

Area A1

YES

Area A2

NO

Area A3

YES

NAVTEX

YES

SafetyNET

YES

SAR broadcasts only



Development of C-55



A Picture is worth a thousand words!



Baltic Sea Hydrographic Commission Solution



HELCOM Resurvey Site - Windows Internet Explorer

http://helcomresurvey.sjofartsverket.se/helcomresurvey/sjofartsverket/

Liedosto Munkkaa Näytä Suosikit Työkalut Ohje

Suosikit Ehdotetut sivustot Customize Links Free Hotmail Web Slice -valikoina

HELCOM Resurvey Site

Help Page

NBC-02

Route

Name: Northern Baltic Connection
Type: Open Sea

General Information

Country: Finland
National Priority: M
S44 Compliancy: 100 %
Status: Finished
Category: Cat I

Resurvey Information

Remaining Work: 0 days
Remaining Area: 0,00 km²
Planned Start: No Value
Planned End: 2008-12-31
Actual Start: No Value
Actual End: 2008-12-31
Interval (years): No value

ENC Coverage for new survey (%)

General: No value
Coastal: No value

Country	Section	Route	Status	Priority	Category
All	All	All	All	All	All

View: Map Download New
Reset filter

Internet 100%



BSHC & IRCC3



Some RHCs are planning regional databases with more detailed layers of information, and the BSHC presented their solution '*Coordinating Hydrographic Surveys on the Baltic Sea and for Displaying Survey Status*' at the IRCC3 meeting in Niteroi, Brazil, May 2011



Proposed Way Forward



The IRCC3 membership was so impressed with the BSHC presentation they decided to examine the possibility of developing the current C-55 along similar lines – *IRCC3 Action 03/09* refers

UKHO has developed a concept paper with the prime objective of delivering an IRCC project to the HSSC



Questions



Any Questions?