





Development of C-55

Presented by UKHO



Introduction



Background

3rd Edition of C-55

BSHC Solution

BSHC & IRCC3

Way forward

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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: | Canac | la | | | | | | Updated | 04 Apr | ril 2007 | INT Region | Α | |
|--|-------------|---------|---|--|--------|--------------|--|------------------|-----------------------|------------------------|--------------------------|-----------------|--|
| Status of H | ydrogra | phic Su | rveys | | | B1/B2 = % re | 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 | | | | | | |
| A1 | A2 | B1 | B2 | C1 | C2 | Comment | | | | | _ | | |
| 30 | 15 | 10 | 10 | 1. The high proportion of inadequately surveyed waters is predomonally 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 Landfall Coastal passage/Medium Approaches Ports/Large Comment | | | | | | | | | | | | | |
| A | C | l | A B C A B C 1. Arctic and other frontier areas are not covered by electronic ch. | | | | | | and by alcohous about | mandicate due to | | | |
| 100 | 100 | 100 | | | 75 7 | 75 100 | 75 10 | 100 | lack of demand. | ier areas are not cove | ered by electronic chart | products due to | |
| Percentage of metric paper charts Percentage of paper charts on a satellite datum | | | | | | | | | | | | | |
| Status of Matitime Safety Information | | | | | | | | | | | | | |
| Local Warning | | | | Coastal Warning | | | | Port Information | | | NAVAREA Warning | | |
| YES | | | | YES | | | | YES | | | YES | | |
| | | | | | | | | | | via I | NAVAREA IV and XII Co-or | dinator | |
| | | | | | | | | | | | | | |
| Master | Master Plan | | | Area A1 Area | | | a A2 | Area A3 | | NAVTEX | SafetyNET | г | |
| YE | YES | | | YES | YES NO | | | YES | | YES | YES | | |
| | | | | | | | | | | | SAR broadcasts only | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |



Development of C-55

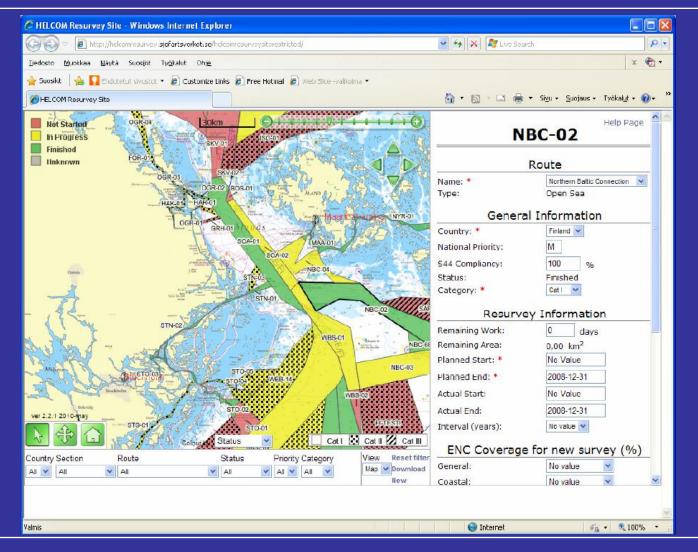


A Picture is worth a thousand words!



Baltic Sea Hydrographic Commission Solution







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?