

5TH MEETING OF THE IHO-INTER REGIONAL COORDINATION COMMITTEE

IHO (IRCC5)

WOLLONGONG, AUSTRALIA, 3-4 JUNE 2013

C-55 GIS Database

Submitted by:	IHB
Executive Summary:	The IHB is working on combining the information provided in C-55 into a GIS database. This is being done in conjunction with the Countries' database also being developed by the IHB.
Related Documents:	C-55, P-5, S-11
Related Projects:	Antarctic Hydrographic GIS Database

Introduction / Background

The IRCC4 discussion on C-55 concluded that "C-55 is missing the vital spatial information that would make it useful to member states, that the term "adequate" is invariably interpreted differently by different member states so it needs to be changed and that in its present form the information is of little use – accordingly providing updates to C55 in its current form is not seen as a high priority".

Analysis/Discussion/Conclusions

In order to improve the usefulness of C-55, the IHB have commenced work on the development of a new framework which will take into account input from the IRCC-4 meeting and feedback from Regional Hydrographic Commission meetings. The IHB has produced a harmonised model for product metadata that will form the basis of a regional metadata GIS data base. The metadata elements have (as far as possible) been aligned with S-100. They make provision for ENC, INT chart and survey coverage and also quality metadata. Other metadata parameters include MSI, tidal records and undersea feature information.

The IHB is currently populating a test database for the Antarctic region that is based on this model. It is anticipated that this will be presented to the 13th HCA meeting scheduled to take place in Cadiz, Spain in December. It is proposed that this model, once implemented for the HCA will become the model for establishing metadata databases for all Regional Hydrographic Commissions, and will become an essential component of C-55.

Figure 1 presents the building blocks for the IHO metadata data base according to the proposed data model (not provided in this paper)

Action required of IRCC

The IRCC is invited to consider the contents of this paper.

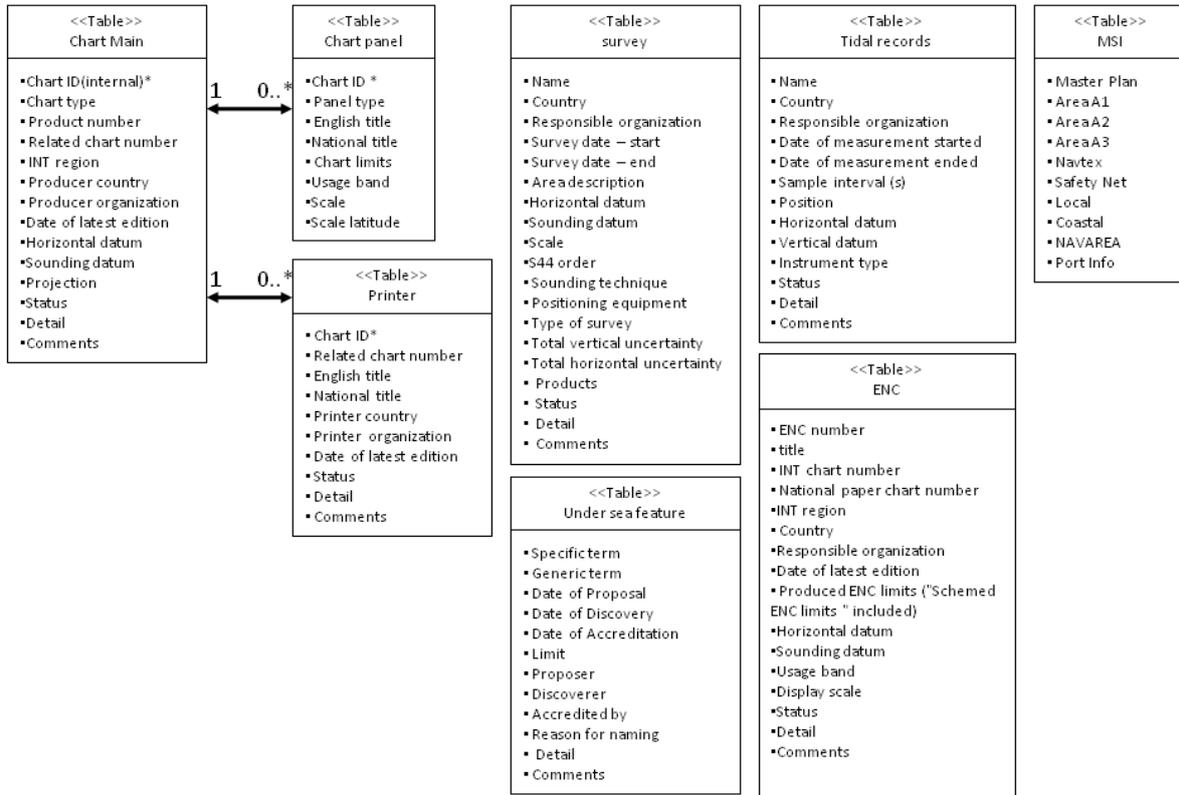


Figure 1 – Proposed data model for elements to be used in conjunction with the C-55 GIS database.