

**6th HSSC Meeting
Viña del Mar, Chile, 11-14 November 2014**

Paper for Consideration by HSSC

**Comments and proposals to the paper *HSSC6-08INF3A*
on Development of Web Enabled Spatial Database and
Map Service to Support Management of S-11 Part B**

Submitted by:	Finland
Executive Summary:	Comments and proposals to <i>HSSC6-INF3</i> (on the development of S-11 Part B as a database solution).
Related Documents:	<i>HSSC6-INF3, S-11 Part B, IHO WP 2015 Task 1.2.1.3, CONF18WP3Add1</i>
Related Projects:	---

Introduction / Background

Finland warmly welcomes this progress on this initiative and supports this development.

This has been raised also at XVIII Conference, see document *CONF18WP3Add1*, where a wider scope of this development has been proposed. Also more detailed information and comments are shown in this document. A Prototype GIS on Antarctica has proposed as one example, but the future development of this is unclear.

The IHO Work Programme for 2015 includes the Task 1.2.1.3 with a deliverable for 2015 to develop S-11 database and auto-publisher.

The Baltic Sea INT Charting Coordination Working Group (BSICCWG) meeting in 2011 highlighted the needs to have a database solution for S11 Part B, commented the draft data model, and proposed Region E (Baltic Sea) to be as a pilot area.

Finland as the BSICCWG coordinator has found the updating of S-11 Part B being laborious and actually needing double work (both with the INT Coordinator and the IHB staff).

Analysis/Discussion

Finland has comments and proposals to the following issues:

Data Model

Finland has experiences of a similar kind of product index database where our data model is close to the proposed one. Our Experts are willing to forward more detailed information on our data model and experiences we have gained during the past years. As an example in Annex there is the Data Model of the FTA Chart Product Database.

Procedures

Finland proposes that the maintenance of the database will be granted to the Regional INT Chart Coordinators.

The role of the IHB should be to keep the technical database system in running and assist Regional Coordinators if needed. This reduces the IHB workload.

The data should be open for viewing and downloading for all users.

Time schedule

The BSICCWG has recognized some needs to study an extensive revision of the Baltic Sea INT Scheme. This kind of database solution may be helpful when processing with that revision.

Finland, as the BSICC Coordinator, re-iterates the offer that the Region E (Baltic Sea) could be as a pilot area. The BSICCWG plans to have its next meeting on April 2015. We hope that the pilot system will be available to be demonstrated at that meeting.

Finland proposes to keep this process as high priority.

Justification

This development is in the IHO WP for 2015 (Task 1.2.1.3).

A database version of S-11 Part B reduces the workload at IHB, enhances the quality of the content of INT catalogues, and makes the data more easily available.

Finland is willing to contribute to this development e.g. to give more detailed information or proposals, forward its experiences, and to test the Region E pilot solution. Our Point of Contact is *Mr Mikko Hovi* (mikko.hovi@fta.fi).

Action Required of HSSC

The HSSC is invited to:

- a. take note of this information;
- b. endorse this development to be as high priority; and
- c. take appropriate actions.

Annex: The Data Model of the FTA Chart Product Database.

Annex:

FTA Chart Product Database Data Model

This diagram shows the data model for the chart product database used at FTA for planning and portfolio management purposes. The database currently does not contain information about chart editions. That information is managed elsewhere.

The model has been slightly simplified and adapted for demonstration purposes.

