

**6TH MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE
Viña del Mar, Chile, 11-14 November 2014**

Paper for Consideration by HSSC

Inventory of Chart Production Systems and Lessons Learned

Submitted by:	Iceland on behalf of the Nordic Hydrographic Commission (NHC)
Executive Summary:	This paper invites HSSC to consider a new work item for the Chart Standardization and Paper Chart Working Group (CSPCWG).
Related Documents:	Final minutes for the 58 th NHC Meeting IHO Five-Year Work Programme 2013 – 2017 Terms of Reference of the CSPCWG
Related Projects:	HSSC Work Plan.

Background

1. At the 58th meeting of the Nordic Hydrographic Commission, a Member State reported time-consuming difficulties in implementing a new chart production system. The outcome of the subsequent discussion was that IHO Member States would benefit from sharing their experiences with the different chart production systems in operation or in development. The Commission agreed to invite the HSSC to consider a new work item on establishing an inventory of chart production systems in use and compiling the lessons learned.

Analysis

2. IHO Member States are switching from in-house and/or paper-based chart production systems to environments based upon on-the-shelf components proposed by a limited number of vendors in a more holistic approach considering the data chain “from ping to chart” and integrating the production and maintenance of both paper charts and ENC.
3. The sharing of experience and lessons learned in implementing new chart production systems would help IHO Member States who are considering changing their system.
4. The proposed work item is within the scope of the objectives set out by the IHO Convention.
5. The proposed work item is within the scope of the objective of element 2.3 - *Nautical Cartography* of the current IHO work programme.
6. Some user groups have been established by the industry but they do not provide a cross-system overview and the outcome of their work is not readily accessible to non-members.
7. It is expected that the work item, if agreed, would be addressed mainly by correspondence and that the workload would be offset by the time and energy saved by individual Member States through anticipating known difficulties and solutions when selecting or implementing a system which is already operated by one or more Member State(s).

Recommendation

8. The HSSC is invited to consider including a work item on establishing an inventory of chart production systems in use and compiling the lessons learned in its work plan.

Justification and impact

9. The proposed action would assist Member States in discharging their responsibilities more efficiently and would limit unnecessary duplication of efforts.
10. It is foreseen that the work item would have limited resource implications.
11. It is suggested to refer the work item to the Chart Standardization and Paper Chart Working Group (CSPCWG) in accordance with the following task mentioned in its terms of reference (paragraph 3 a v):

Offer advice based on its experience to ... individual Member States, on ... cartographic work ...

12. It is suggested that this work item should have a high priority in order to maximize the benefit for Member States who are currently considering the modernization of their chart production systems.

Action required of HSSC

13. The HSSC is invited to:
 - a. **note** this document;
 - b. **consider** the recommendation in paragraph 8, and
 - c. **take** any other action as appropriate.