2nd S-100WG MEETING
Genoa, Italy – 15-18 March 2017

Paper for Consideration by the S-100 Working Group (S-100WG)

Impact of Observations on the Practical Use of the IHO GI Registry on S-99

Submitted by:	IHO Secretariat (TSSO).
Executive Summary:	Practical use of the IHO Geospatial Information (GI) Registry since it became operational in October 2016 has identified that a review of S-99 may be required to account for experience so far.
Related Documents:	1. IHO Publication S-99 – *Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry*; 2. S-100WG2 Papers (various).
Related Projects:	Development of the IHO Geospatial Information Registry.

Introduction / Background

IHO Publication S-99 – *Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry*, was last revised in 2012 (Edition 1.1.0) from the original publication of the document in January 2011. The changes introduced in Edition 1.1.0 were substantively based on limited experience with the previous iteration of the Registry, given that the initial publication of S-99 was grounded on theory only.

A number of papers will be presented at S-100WG2 that have the potential to change the procedures outlined in S-99. It is therefore proposed that a small group (Project Team?) be established to begin drafting any changes that are required following the decisions made at S-100WG2.

Analysis / Discussion

The IHO Geospatial Information (GI) Registry became operational in October 2016. This also coincided with the introduction of a full-time Registry and (FCD) Register Manager. Substantial progress has been made in registering items into the FCD Register required for the development of S-100 based Product Specifications. This work, and the structure of the FCD Register and the overarching Registry interface, are in conformance with IHO Publication S-99 – *Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry*, Edition 1.1.0 (November 2012).

Operational experience with the Registry to date indicate that there are a number of issues that require discussion and possible resolution. The main issues so far identified have been included in a number of papers submitted to the S-100WG2 meeting. These include papers S-100WG2-09.2A – 6A; and S-100WG2-10.2A. Most of these issues have the potential to impact on the operational procedures of the Registry outlined in S-99. As an example, paper S-100WG2-09.4A proposes a set of guidelines and conventions be developed for Submitting Organizations, DCBs and the Register Manager for assessing proposals to the Registry. A recommendation in this paper is that these be included as an Annex to S-99.

Dependant on the outcome of these discussions and the decisions made, it is expected that some, if not a substantial, revision of S-99 may be required. It is not expected that such a review will need to commence immediately, rather the outcomes of decisions made at S-100WG2 should be tested and implemented before any associated changes are made to S-99.

It is therefore proposed that a small group (Task Group/Project Team) be established to conduct a review of S-99 as required. The IHO Secretariat, as the Registry/Register Manager, is prepared to take the lead of such a group, by drafting the initial changes based on the decisions of S-100WG2 and any required testing results. This group should operate in accordance with the guidelines to making changes to IHO technical standards outlined in Resolution 2/2007 (as amended).

Conclusions

It is likely that a revision of S-99 will be required as a result of practical experience in working with the IHO GI Registry. In order to do this, a small sub-group should be established under the S-100WG to apply

these changes as they are implemented and tested.

Recommendations

1. S-100WG to agree to the establishment of a small Task Group or Project Team under the S-100WG to conduct a full review of S-99 in accordance with the decisions made at S-100WG2 and continued practical experience in working with the IHO GI Registry.

2. If approved, S-100WG to agree that the group is to be coordinated by the IHO Secretariat (TSSO) as the Registry/Register Manager.

Justification and Impacts

As a result of discussions at S-100WG2, it is likely that some of the processes and procedures for the organization and management of IHO GI Registry will change. Such changes will need to be reflected in the S-99 Standard.

The principle impact of this work will be on the IHO Secretariat (TSSO), with members assessing proposed changes so as to develop a consolidated revision of the document for approval of the S-100WG.

Action required of NCWG

The S-100WG is invited to:

    a.   **Note** this paper.

    b.   **Approve** the establishment of a small group under the S-100WG to conduct a review of S-99 based on accrued practical experience with the Registry and related decisions made at S-100WG2.

    c.   **Determine** whether such a group should operate as a Tasking Group or as a Project Team.