

Paper for Consideration by S100WG

Establishing Domain Control Bodies

Submitted by:	S100WG Chair
Executive Summary:	Action HSSC8/14 invited the S100Wg to propose membership to Hydro Domain.
Related Documents:	S-99
Related Projects:	IHO GII Registry

Introduction / Background

One of the major underpinnings of S-100 is the Geospatial Information Registry, which contains a collection of feature concept dictionary registers that are sub-divided into different domains. In late 2016, the IHO GI Registry was officially opened for business and new content is being added. However, in order to operate the S-100 GI Registry in accordance to S-99, the IHO will need to set up a Domain Control Body for each of the registers and an Executive Control Body consisting of representatives from each of the domains.

Analysis/Discussion

According to S-99, the Domain Control Body shall consist of a representative of each of the domains recognized in each Register type and members are responsible for:

- acting as the spokesperson for their domain;
- canvassing other members in their domain for an opinion on the acceptability of any new proposal. How this is organized is at the discretion of the Domain Owners; and
- forwarding a decision to the Register Manager within 60 days.

The Executive Control Body shall consist of a representative of each of the Domains recognized in each Register type and will monitor and advise the Register Manager(s) and act as arbiters for any decisions or disputes in the Register process. In the event that a resolution cannot be achieved, the ECB may ask for the decision of the HSSC.

This issue was brought to HSSC8 which resulted in the following action:

HSSC decided to establish (Action HSSC8/14):

- a Domain Control Body (DCB) and an Executive Control Body (ECB) for the IHO FCD Register; and
- and an Expert Group for the HYDRO domain;

and invited the S-100WG to propose their membership and TOR's accordingly.

Currently, the S-100 GI Registry has established the following feature concept dictionaries:

Domain	Owner	Comments
IHO Hydro	IHO	NIPWG and the S100WG agreed to merge into a single domain to make content management easier
WMO ICE	WMO ETSI	
WMO Weather	WMO ETMSS	
Inland ENC	IEHG	
Port ENC		
IALA AIS	IALA	
IALA AtoNs	IALA	
IALA VTS	IALA	
AML	NATO GMWG	
IEC	IEC	

According to S-99 the DCB is responsible for the following;

3.1.5 The Domain Control Body

The Domain Control Body (DCB) shall consist of a representative of each of the domains recognized in each Register type.

3.1.5.1 Domain Control Body Members

Domain Control Body members are responsible for:

- *acting as the spokesperson for their domain,*
- *canvassing other members in their domain for an opinion on the acceptability of any new proposal. How this is organized is at the discretion of the Domain Owners, and*
- *forwarding a decision to the Register Manager within 60 days.*

The overriding purpose of the DCB is to assess the suitability of every new proposal submitted to a Register. Any rejection of a proposal by a member of the DCB must be fully justified. Criteria for not accepting a proposal includes:

- *the specification of the item is incomplete or incomprehensible,*
- *an identical or very similar item already exists in the Register or in another Register in the Registry,*
- *the proposed item does not belong to an item class included in a Register,*
- *the proposed item does not fall within the scope of a Register, or*
- *the justification for the proposal is inadequate.*

According to S-99, the Executive Control Body is responsible for the following:

3.1.6 Executive Control Body

The Executive Control Body (ECB) shall consist of a representative of each of the Domains.

The ECB will monitor and advise the Register Manager(s) and act as arbiters for any decisions or disputes in the Register process. In the event that a resolution cannot be achieved, the ECB may ask for the decision of the HSSC.

The ECB will monitor enrolment requests from representatives of Submitting Organizations to confirm the appropriateness of the participation of a Submitting Organization and its representative in the registry. The ECB may de-register a representative of a Submitting Organization if they are considered inappropriate or unrepresentative. In the event that a dispute arises, the ECB may ask for the decision of the HSSC. The ECB will conduct annual reviews of the participation rate of representatives of Submitting Organizations in order to confirm their eligibility to remain enrolled. Periods of inactivity greater than 18 months may be regarded as inactive.

In order to establish a cross-domain control body it is expected that each of the Domain Owners nominate a representative to serve on each of an Executive Control Body and a Domain Control Body for the FCD Register. It is also suggested that each Domain should establish their own "expert group" to adjudicate proposals within their domain before submission to the Register for consideration; and consult on Domain responses to proposals submitted to the Register from other Domains, in conformance with the second bullet point in clause 3.1.5.1 of S-99.

Recommendations

1. The S100WG and NIPWG each nominate a member to serve on the IHO Executive Control Body and Domain Control Body, and that the IHO ask owners of the other domains to also nominate a representative.
2. Because the IHO Hydro Domain extends beyond the S100WG into other working groups, it was decided by HSSC that an expert Group be established to adjudicate content for the IHO Hydro Domain of the

Feature Concept Dictionary Register. It is recommended that the expert group be no more than six members and be proportionally represented by both members of the S100WG (or S-101 Project Team) and NIPWG.

Action Required of S100WG

The S100WG is invited to:

- a. endorse the recommendations outlined in this paper
- b. nominate three members as experts to adjudicate proposals to the IHO Hydro Domain of the FCD Register
- c. invite NIPWG to also nominate three members to the IHO Hydro Register
- d. endorse the draft ToR's for the IHO Hydro Domain experts Group in annex A

Establishment of an Expert Group for the IHO Hydro Domain of the FCD Register within the IHO Geospatial Information Registry

Terms of reference and rules of procedure

Reference: 8th IHO - HSSC Meeting (Monaco) Action HSSC8/14

1. Objective

- a) To establish an Expert Group for the S100 Geospatial Information Registry Hydro Domain to determine the suitability of proposals for the Hydro Domain and taking into account the following criteria for proposals:
 - a. *the proposal has at a minimum the mandatory fields*
 - b. *That the proposals are harmonized between NIPWG and the subsidiary project teams of the S100WG.*

2. Authority

This Expert Group is a subsidiary of the S-100 Working Group (S-100 WG) and NIPWG.

3. Composition and chair

- a) The expert group shall be comprised of three members of the S100WG and three members of the NIPWG.
- b) Membership is open to Member States.
- c) The members shall nominate a representative(s) of the IHO Domain to the Executive Control Body and Domain Control Body for the FCD Register.

4. Procedures

- a) The Expert Group should work primarily by correspondence and teleconferences.
- b) Decisions should be made by consensus. Dissenting opinions, if any, should be reflected within a record of discussions.