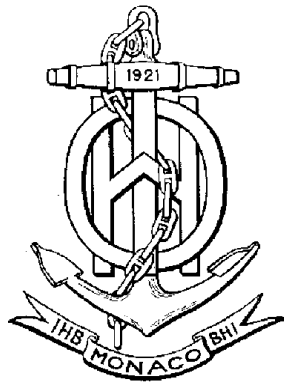


INTERNATIONAL HYDROGRAPHIC ORGANIZATION



**Operational Procedures for the Organization and
Management of the
IHO-S-100 Geospatial Information Registry**

Version 1.0.0 – January 2011

IHO Publication S-99

Published by the
International Hydrographic Bureau
MONACO

© Copyright International Hydrographic Organization 2011

This work is copyright. Apart from any use permitted in accordance with the Berne Convention for the Protection of Literary and Artistic Works (1886), and except in the circumstances described below, no part may be translated, reproduced by any process, adapted, communicated or commercially exploited without prior written permission from the International Hydrographic Bureau (IHB). Copyright in some of the material in this publication may be owned by another party and permission for the translation and/or reproduction of that material must be obtained from the owner.

This document or partial material from this document may be translated, reproduced or distributed for general information, on no more than a cost recovery basis. Copies may not be sold or distributed for profit or gain without prior written agreement of the IHB and any other copyright holders.

In the event that this document or partial material from this document is reproduced, translated or distributed under the terms described above, the following statements are to be included:

“Material from IHO publication [reference to extract: Title, Edition] is reproduced with the permission of the International Hydrographic Bureau (IHB) (Permission No/...) acting for the International Hydrographic Organization (IHO), which does not accept responsibility for the correctness of the material as reproduced: in case of doubt, the IHO’s authentic text shall prevail. The incorporation of material sourced from IHO shall not be construed as constituting an endorsement by IHO of this product.”

“This [document/publication] is a translation of IHO [document/publication] [name]. The IHO has not checked this translation and therefore takes no responsibility for its accuracy. In case of doubt the source version of [name] in [language] should be consulted.”

The IHO Logo or other identifiers shall not be used in any derived product without prior written permission from the IHB.

Table of Contents

1	Introduction	4
2	Structure of the Registry and Registers	5
2.1	Registry	5
2.2	Registers	5
2.2.1	Main and Supplementary Registers	5
2.2.2	Domains	6
3	Roles and Responsibilities for the Management of the Registry and Registers	8
3.1	Registry	8
3.1.1	Registry Owner	8
3.1.2	Registry Manager	8
3.1.3	Register Owner	8
3.1.4	Register Manager	8
3.2	Availability of Information in Registers	8
3.3	Security and Integrity of the Registry	9
3.4	Registry Control Bodies	9
3.4.1	The Domain Control Body	9
3.4.2	Executive Control Body	10
3.5	Submitting Organizations	10
3.5.1	Submitting Organization Representatives	10
3.5.2	Eligibility	10
3.5.3	List of Submitting Organizations	11
3.6	Register User	11
4	Administration of the Feature Concept, Portrayal and Metadata Registers	12
4.1	Introduction	12
4.1.1	Addition of registered Items	12
4.1.2	Clarification of Registered Items	12
4.1.3	Supersession of Registered Items	12
4.1.4	Retirement of Registered Items	12
4.2	Development of Proposals	12
4.3	Submission of Proposals	12
4.4	Approval Process	15
4.5	Withdrawal of Proposals	16
4.6	Appeals	18
5	Administration of the Product Specification Code Register	20
5.1	Proposals	20
5.2	Acceptance Criteria	20
5.3	Submission of Proposals	20
5.4	Approval Process	21
5.5	Withdrawal of Proposals	21
5.6	Appeals	21
6	Administration of the Producer Code Register	22
6.1	Introduction	22
6.2	Eligibility Criteria	22
6.3	Submission of Applications	22
6.4	Approval Process	22
6.5	Appeals	22

1 Introduction

In January 2010 the International Hydrographic Organization (IHO) adopted S-100, a framework geospatial standard for hydrographic and related data. S-100 is aligned with the ISO 19100 series of geographic standards – thereby making the use of hydrographic and other geographic data more interoperable than previously using the IHO S-57 data transfer standard.

S-100 is underpinned by a Registry and component Registers based on ISO 19135 - *Procedures for registration of items of geographic information*. The IHO owns and manages the Registry.

This document describes the roles, responsibilities and procedures for operating and managing the [IHO S-100 Geospatial Information](#) Registry and its component Registers.

2 Structure of the Registry and Registers

2.1 Registry

The [IHO S-100](#) Geospatial Information (GI) Registry shall be hosted on an IHB server.

2.2 Registers

The Registry consists of five [types of](#) Registers:

- Feature Concept Register
- *Portrayal Register (not yet established – estimated June 2011)*
- *Metadata Register (not yet established – estimated April 2011)*
- *Product Specifications Register (not yet established – estimated April 2011)*
- Data Producer Code Register

The **Feature Concept, Portrayal and Metadata Registers** are, in effect, managed lists or dictionaries of items. Selections from these three Registers are used to define Feature and Portrayal Catalogues used in individual Product Specifications.

The **Product Specification Register** is a list of S-100 based Product Specifications created by recognized organizations describing meta information about the content, purpose, version, location and availability of those Product Specifications. [It also includes IHO S-57 Product Specifications that were previously developed.](#)

The **Data Producer Code Register** is the authoritative list of the codes which can, if required, be stipulated in Product Specifications to identify the producers of a particular data product; for example, Hydrographic Offices for ENC producer codes.

The ENC producer codes are presently listed in IHO Publication S-62 – *ENC Producer Codes*, while additional producer codes are maintained in a corresponding Register of S-57 data producer codes [available on that are listed on](#) the Open ECDIS forum website (www.openecdiss.org). The Data Producer Code Register ~~is intended to will~~ replace these separate lists and will be available as an XML file for use directly in systems, and an HTML textual version for reference purposes. These downloadable files will provide the most up to date records in the registry. A printable version of the register contents will be made available for download from the IHO publications page, updated periodically.

2.2.1 Main and Supplementary Registers

Each of the Registers is subdivided into:

- a Main Register maintained by IHO bodies for items that directly support the official hydrographic products and services required to meet the chart and publications carriage requirements of the Convention on the Safety of Life at Sea (SOLAS); and
- a Supplementary Register [used by is available whereby recognized appropriate organizations recognized by the IHO can submit for items that complement marine navigation items that](#), support the activities of national hydrographic authorities or help broaden the use of hydrographic and related data. This already includes (August 2011) registered items for use in Inland ENCs, sea ice reports, and Marine Information Overlays (MIOs).

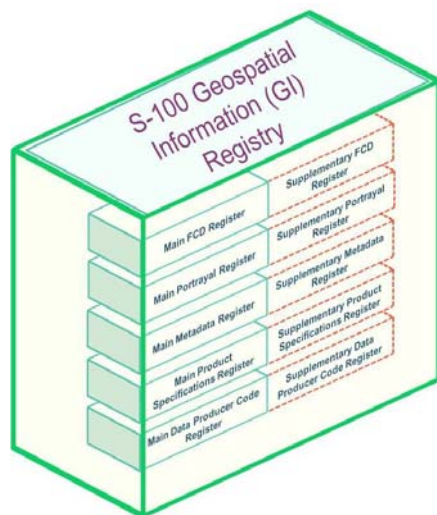


Figure 1 – [The Relationship between](#) Registry and Registers

2.2.2 Domains

Within the Feature Concept, the Portrayal and the Metadata Registers each entry is assigned to a recognised domain. The purpose of designating domains and a related Domain Control Body is to ensure that the key stakeholders (as represented by the domains) are consulted in any subsequent proposals to adjust items contained in a Register.

The Main Feature Concept Dictionary Register presently encompasses domains for nautical charts and nautical publications. Domains for inland ENC, sea ice coverage, and marine information overlays (MIO) are presently reflected in the Supplementary part of the Feature Concept Dictionary Register. Other maritime data domains will be included over time as the Registry expands and is used more widely.

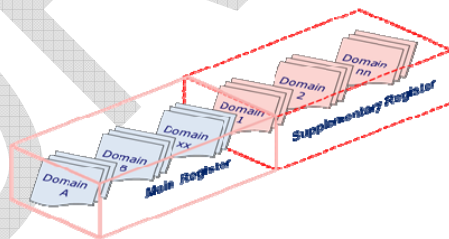


Figure 2 – Domains within Registers

2.2.2.1 Establishment of Domains

Any [recognized](#) organization can propose a new domain. Normally this will be an IHO Hydrographic Services and Standards Committee (HSSC) Working Group, ~~or~~ a governmental or non-governmental organization [\(NGIO\)](#), or a [competent technical group](#) recognized by the IHO. A Register Manager may also propose new domains depending on the needs of a Register, its existing users or an awareness of any potential new users or new requirements.

The following information shall be provided to the HSSC for proposals for any new domains:

- a short description of the proposing organization (name, role, etc.),
- an official point of contact, including email and other relevant contact details,
- the Register type in which the domain should reside (e.g. Main or Supplementary),
- the proposed name of the new domain,
- a clear statement of the intended scope of the proposed domain,
- a justification for the proposal, and
- a confirmation of willingness of the proposing organization or body to act as Domain Owner in the Domain Control Body.

| An application form for proposing a new domain shall be available on the [HQS-100](#) GI Registry website.

The Register Manager shall be responsible for processing applications.

The Executive Control Body shall review and endorse any proposals and the HSSC shall decide on proposals for new domains on behalf of the Registry Owner (IHO).

3 Roles and Responsibilities for the Management of the Registry and Registers

3.1 Registry

3.1.1 Registry Owner

The [IHO-S-100](#) GI Registry is owned by the IHO.

3.1.2 Registry Manager

The [IHO-S-100](#) GI Registry Manager shall be appointed by the IHB. The function may be fulfilled using IHB staff, contracted personnel or volunteers, depending on resources available.

The Registry Manager is responsible for the day-to-day operation of the Registry. This includes:

- providing Registry access for the Register Manager(s), Control Bodies, Submitting Organizations and Register Users;
- ensuring that information about items in the Registers is accessible for users including those items that are valid, superseded, or retired; and
- maintaining a daily backup routine of the database.

3.1.3 Register Owner

The IHO is the owner of all Registers in the [IHO-S-100](#) GI Registry including the Supplementary Registers.

3.1.4 Register Manager

The Register Manager(s) shall be appointed by the IHB. This function may be fulfilled using IHB staff, contracted personnel or volunteers, depending on the resources available.

A Register Manager is responsible for the administration of both the Main and the Supplementary parts of a Register. This includes:

- sustaining the necessary coordination between Submitting Organizations, Control Bodies and the Registry Manager;
- inspecting and processing the various application forms;
- maintaining items within the Register;
- maintaining and publishing a list of Submitting Organizations; and
- providing periodic reports at intervals no greater than 12 months to the Executive Control Body and to the HSSC. Each report shall take account of all notable events since the last report, including:
 - proposals received and the decisions taken,
 - any new enrolments as Submitting Organization Representatives, and
 - all other matters of interest and relevance to the ECB or HSSC.

3.2 Availability of Information in Registers

Register Manager(s) shall ensure that information about valid, superseded, or retired items in the Registers is readily available to users. The method for providing this information may depend upon the requirements of the members of the user community.

3.3 Security and Integrity of the Registry

Register Manager(s) shall ensure that, for each Register being managed:

- all aspects of the registration process are handled in accordance with good business practice;
- the content of the Register is accurate; and
- only authorized persons can make changes to the contents of a Register.

Registry Manager(s) shall ensure the security and integrity of the Registry using IT best practices.

3.4 Registry Control Bodies

The Feature Concept Register, the Portrayal Register and the Metadata Register shall each be overseen by two control bodies, a Domain Control Body (DCB) that will assess and endorse proposals and an Executive Control Body (ECB) that will oversee the operation of the Registers and adjudicate any disputes.

DCB and ECB oversight is not required for the Product Specification Register nor the Producer Agency Code Register because they are both, in effect, non-discretionary lists of entries requiring little or no decision making or vetting.

The DCB and ECB will conduct all its work by correspondence, using automated registry facilities, such as automatic alert generation and on-line review facilities, wherever possible.

3.4.1 The Domain Control Body

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

3.4.1.1 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 30 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.

3.4.2 Executive Control Body

The Executive Control Body (ECB) shall consist of senior representatives appointed from the HSSC Working Groups and a representative of each of the Domains in the Supplementary parts of the Registers.

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 Submitting Organization Representatives to confirm the appropriateness of the participation of a Submitting Organization and its representative in the registry. The ECB may de-register a Submitting Organization Representative 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 Submitting Organization Representatives in order to confirm their eligibility to remain enrolled. Periods of inactivity greater than 18 months may be regarded as inactive.

3.5 Submitting Organizations

Submitting Organizations propose changes and additions to the contents of Registers.

Submitting Organizations will normally represent a recognized body or stakeholder group (such as from government, industry, academia, and relevant user groups).

Registered submitting organizations may submit proposals for consideration under any domain in a register.

Stakeholders and any other interested parties who do not wish to enrol should submit proposals through an existing Submitting Organization.

3.5.1 Submitting Organization Representatives

Submitting Organization Representatives are responsible for:

- acting as the spokesperson for their Submitting Organization,
- developing proposals with other members in their Submitting Organization. How this is organized is at the discretion of the Submitting Organization, and
- forwarding proposals to the relevant Register Manager.

3.5.2 Eligibility

An automatic on-line registration form to enrol as a Submitting Organization Representative shall be available on the [HQS-100](#) GI Registry website. Applications shall provide at least the following information:

- Organization to which the applicant is associated or is representing
- Given name of representative
- Family name of representative
- Mailing address
- e-mail address
- Preferred password

- Justification for being recognized as a Submitting Organization
- List of registries to which the Submitting Organization wishes to actively participate

More than one representative may enrol on behalf of each Submitting Organization.

The Register Manager shall inspect all incoming enrolments to ensure that they are legitimate and meet the aims and requirements of the Registry. The Register Manager shall alert the ECB for all suspect enrolments.

Submitting Organizations may be de-registered if they become inactive.

3.5.3 List of Submitting Organizations

The Register Manager(s) shall maintain and publish a list of all recognized Submitting Organizations that may submit proposals for changes to the registry. Each list shall include the name and contact information for the representatives of each Submitting Organization.

3.6 Register User

A Register User is any person or organization requiring to access and to use the contents of a Register.

4 Administration of the Feature Concept, Portrayal and Metadata Registers

4.1 Introduction

Submitting Organizations may submit proposals for new items, or for clarification, supersession, or retirement of registered items. Proposals are to be submitted using the mechanisms provided in the Registry web interface.

4.1.1 Addition of registered Items

Addition is the insertion into a Register of an item that describes a concept not adequately described by an item already in the Register.

4.1.2 Clarification of Registered Items

Clarification corrects errors in spelling, punctuation, grammar or improvements to content or wording. A clarification shall not cause any substantive semantic change to a registered item. The three characteristics that can be clarified are definition, other references, and remarks.

4.1.3 Supersession of Registered Items

Supersession of an item means any proposal that would result in a substantive semantic change to an existing item. Supersession shall be accomplished by including one or more new items in the appropriate Register with new identifiers and a more recent date. The original item shall remain in the Register but shall include the date at which it was superseded, and a reference to the items that superseded it.

4.1.4 Retirement of Registered Items

Retirement shall be effected by leaving an item in the Register, but by marking it as "*retired*", and including the date of retirement.

4.2 Development of Proposals

Submitting Organizations shall manage the development of proposals for entries or amendments to the Feature Concept, Portrayal and Metadata Registers from within their respective Working Groups, communities or organizations.

4.3 Submission of Proposals

The process for submitting proposals for the registration of items in the Feature Concept, Portrayal and Metadata Registers is illustrated in Figure 3.

Submitting organizations shall:

- a) receive proposals for the registration of items from proposers within their respective Working Groups, communities or organizations;
- b) ensure that all proposals are logical and complete and are consistent with other features, attributes and enumerated values; and
- c) submit proposals to the appropriate Register and domain.

A Register Manager shall:

- a) receive proposals from Submitting Organizations,
- b) review proposals for completeness,
- c) return proposals to the Submitting Organization if incomplete, and

- d) update the item management record, with the status set to '*pending*'.

A Register Manager shall use the following criteria to determine if a proposal is complete:

- a) the proposal is from a recognized Submitting Organization,
- b) the proposed item falls within the scope of the Register or domain, and
- c) a registered item (or similar) to the proposed item does not already exist.

The Register Manager shall then submit the proposal to the Domain Control Body in accordance with the following submission process.

DRAFT

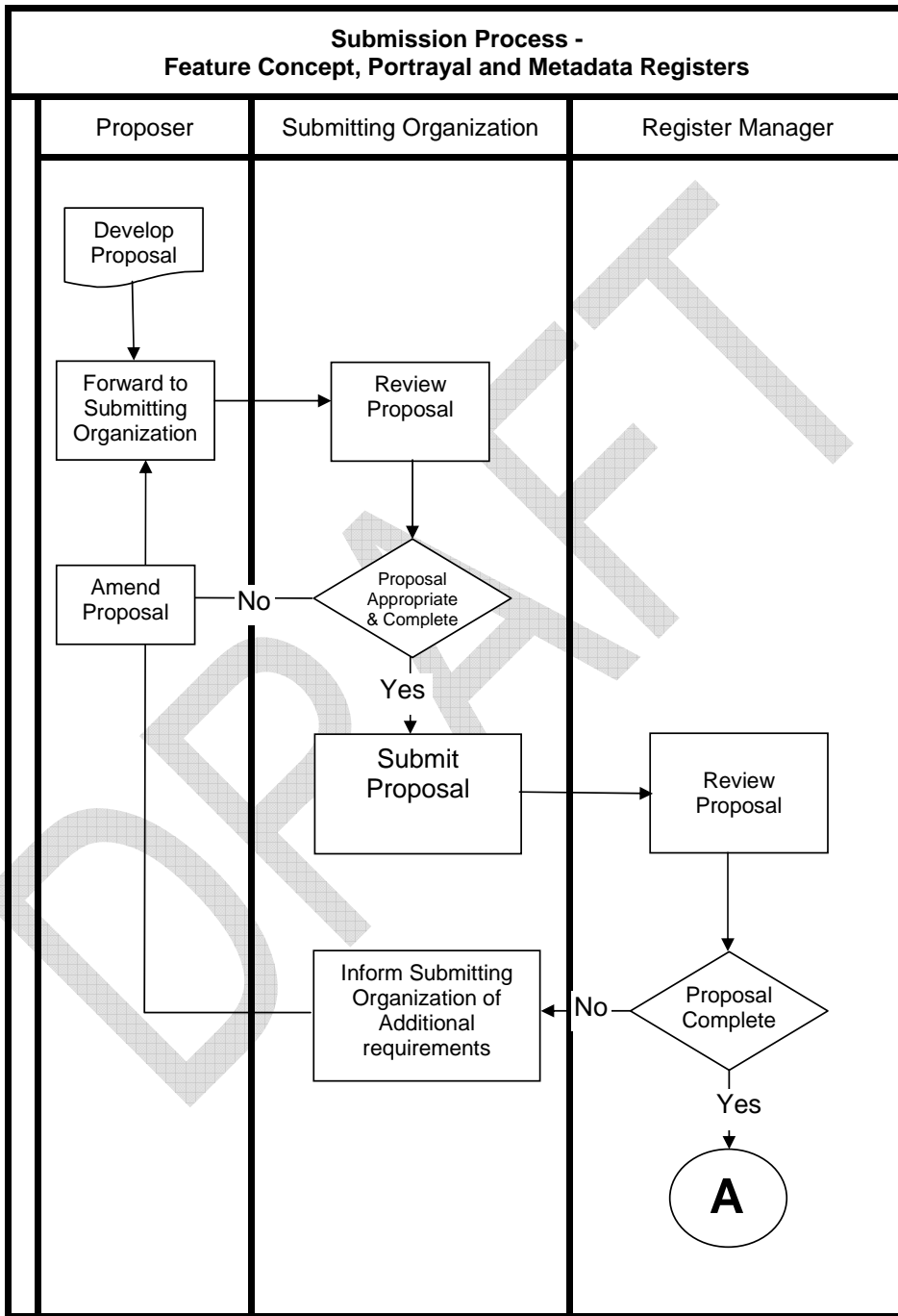


Figure 3 – Processing of Proposals

4.4 Approval Process

The process for determining the acceptability of proposals is illustrated in Figure 4. The approval process shall normally be completed within a time period of 60 days. In the case of appeal this period shall be extended to 90 days.

The Register Manager shall ensure the following:

- a) if the proposal is for clarification or retirement of a Register item, forward the proposal to the Domain Control Body; or
- b) if the proposal is for registration of a new item or supersession of an existing Register item:
 - 1) assign an *itemIdentifier* to the new or superseding item,
 - 2) set the *status* of the item to '*notValid*'; and
 - 3) inform the Domain Control Body of the new proposal within five working days.

The Domain Control Body can decide to:

- a) accept the proposal without change,
- b) accept the proposal subject to changes negotiated with the Submitting Organization, or
- c) not accept the proposal.

Criteria for not accepting a proposal include:

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

Each Domain Control Body member shall inform the Register Manager of their working group / organization's decision, and the rationale for that decision, within 30 days of receipt of the proposal. Nil returns will be taken as acceptance of the proposal.

The Register Manager shall:

- a) serve as the point of contact if there is a need for negotiations between a Submitting Organization and a Domain Control Body regarding any changes required to a proposal that may be specified by the Control Body as a condition of acceptance; and
- b) inform the Submitting Organization of the results of processing a proposal.

If the decision of the control body is positive, the Register Manager shall in accordance with policies for the Register:

- a) complete the proposal management record with status set to '*final*', disposition set to '*accepted*', and *dateDisposed* to the date of the Domain Control Body's decision,
- b) make approved changes to the content of the Register item,
- c) set the Register item status to '*valid*', '*superseded*', or '*retired*', as appropriate.

If the decision of the control body is negative:

- a) update the proposal management record by setting status to 'tentative', disposition to 'notAccepted', and *dateDisposed* to the date of the Domain Control Body's decision,
- b) inform the Submitting Organization of the 30 working day deadline for appealing the decision of the Domain Control Body, and
- c) make the results of the approval process available to all interested parties.

Submitting organizations shall:

- a) negotiate with the Domain Control Body through the Register Manager, regarding any changes to their proposals that are specified by the Domain Control Body as a condition of acceptance; and
- b) make known to the proposer and within their respective communities or organizations the decisions taken on proposals by the Domain Control Body as transmitted to them by the Register Manager.

4.5 Withdrawal of Proposals

Submitting organizations may decide to withdraw a proposal at any time during the approval process.

The Register Manager shall then:

- a) change the proposal management status from 'pending' to 'final',
- b) change the proposal management disposition to 'withdrawn' and the value for *dateDisposed* to the current date, and
- c) keep track of the proposal and report the withdrawal in the next periodic report.

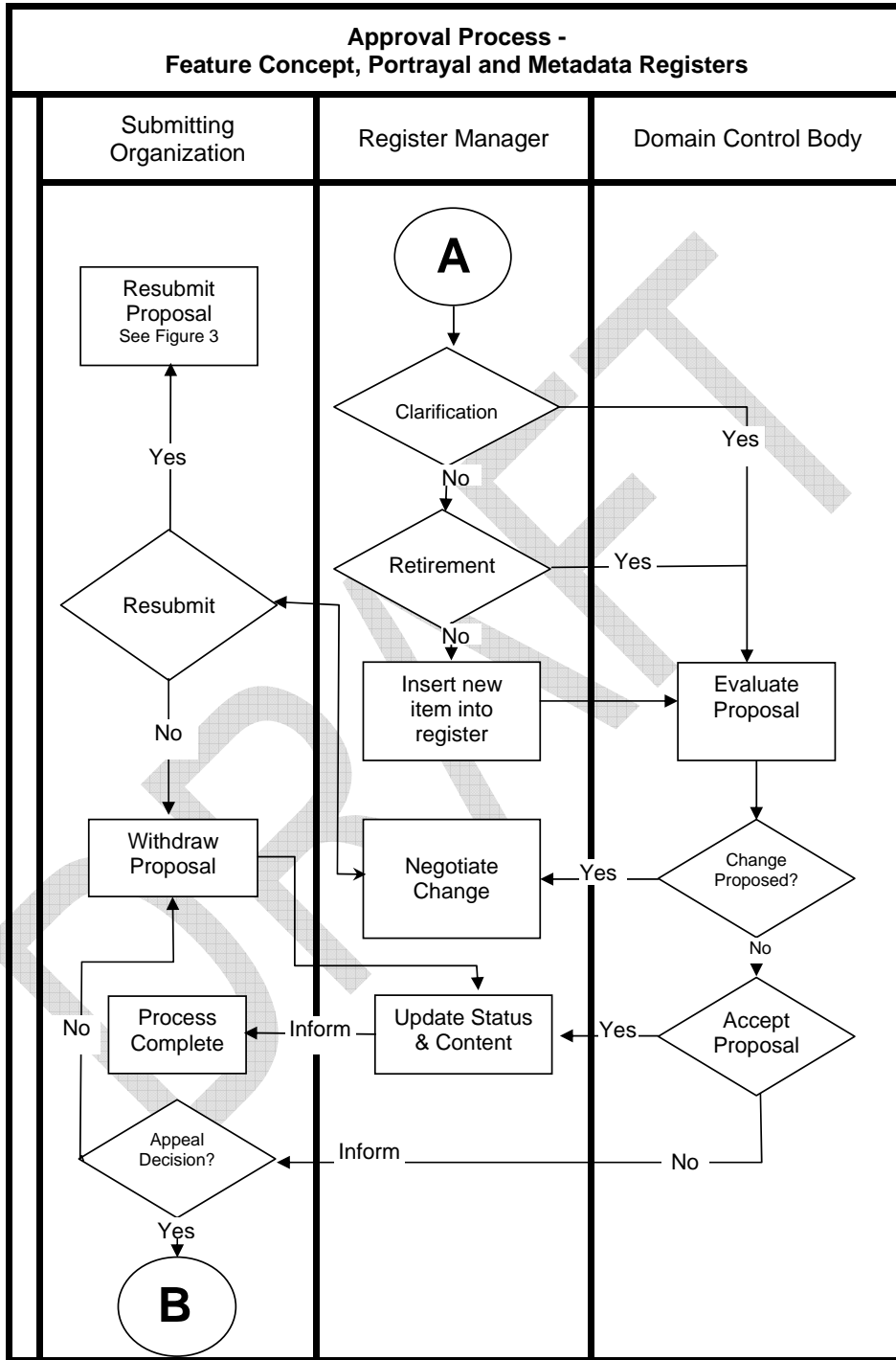


Figure 4 – Approval Process

4.6 Appeals

A Submitting Organization may appeal to the Executive Control Body if it disagrees with the decision of a Domain Control Body to reject a proposal for addition, clarification, modification, retirement, or supersession of an item in a Register. An appeal shall contain at a minimum a description of the situation, a justification for the appeal, and a statement of the impact if the appeal is not successful. The appeal process is illustrated in Figure 5.

The Registry Manager shall:

- a) determine if the decision regarding a proposal for registration is acceptable; and
- b) if not, submit an appeal to the Register Manager.

The Register Manager shall:

- a) forward the appeal to the Executive Control Body; and
- b) if there is no appeal by the deadline for submitting an appeal, the Register Manager shall change the status of the proposal management record to 'final' and change the *dateDisposed* to the current date.

The Executive Control Body shall:

- a) process the appeal in conformance with its established procedures;
- b) decide whether to accept or reject the appeal; and
- c) communicate the decision to the Register Manager.

The Register Manager shall:

- a) update the proposal management record fields disposition and *dateDisposed*;
- b) update the Register item status; and
- c) provide the results of the decision to the Domain Control Body and to the Submitting Organization.

The Submitting Organization shall:

- a) make the results of the appeal known within their Working Group, community or organization.

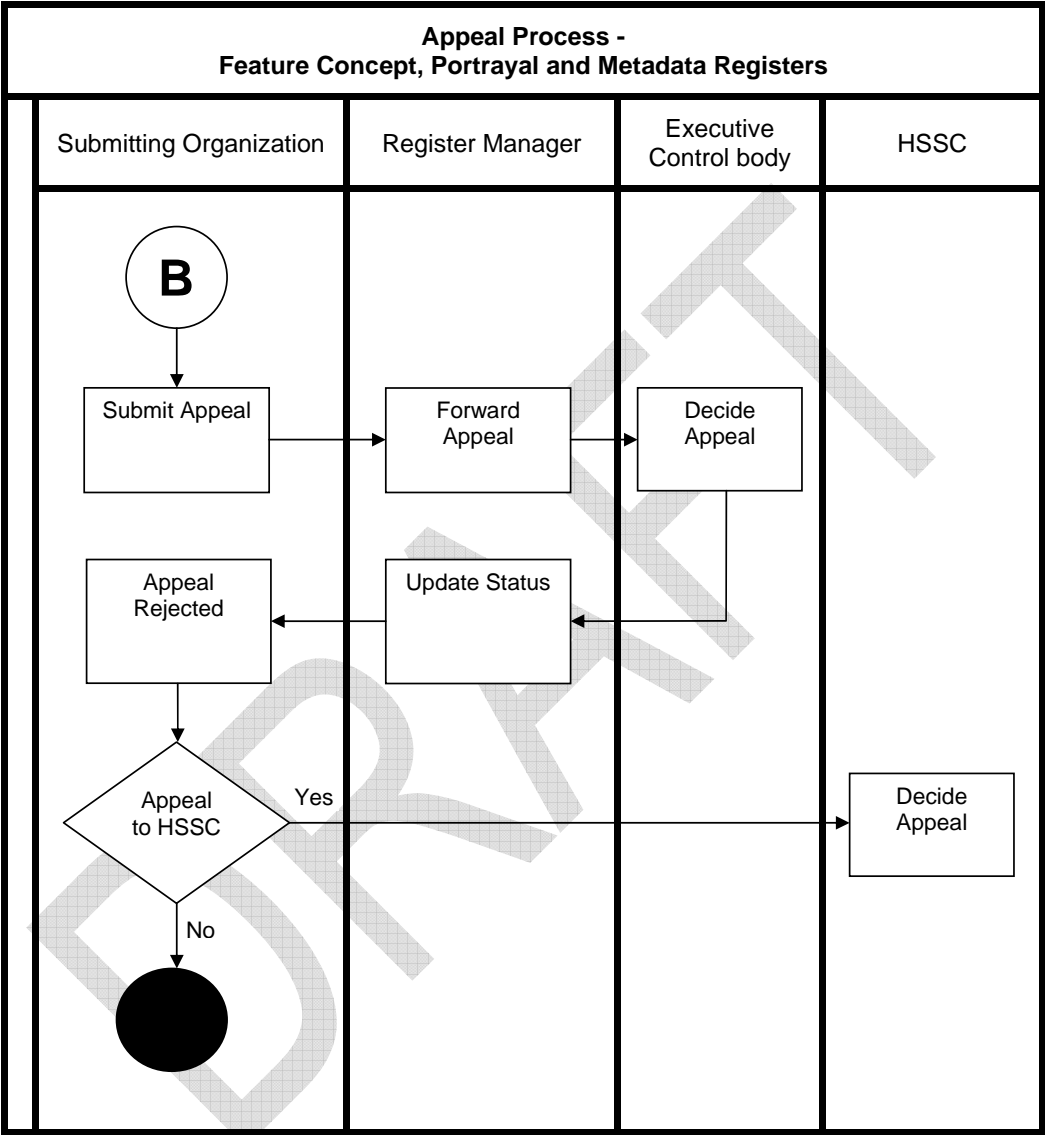


Figure 5 – Appeal process

5 Administration of the Product Specification Code Register

5.1 Proposals

Representatives of organizations may submit proposals for the Addition of new Product Specifications in the Product Specifications Register or for the Clarification, Supersession, or Retirement of existing Product Specifications in the Register. Requests are to be submitted using the mechanisms provided in the Registry web interface.

5.2 Acceptance Criteria

IHO Product Specifications. Product Specifications that have been adopted by the IHO will be recorded in the Main part of the Register. These Product Specifications will carry the identifying code S-1 nn and will also have a plain language title.

Kommentar [LA1]: Does this included existing S-57 ENC product spec? If not, why not.

Other Product Specifications. Other Product Specifications that have ~~not been adopted by developed by other competent organizations the IHO will be considered for will be inclusion included~~ in the Supplementary part of the Register provided that:

- a) they use S-100 as the underlying standard (organizations are encouraged to populate Feature Catalogues, either using existing entities registered in the GI Registry or proposing new ones where appropriate);
- b) any identification number of a plain language title used does not infer that it is an IHO standard or that it has received any endorsement or approval of the IHO; and
- c) the content description in plain language.

5.3 Submission of Proposals

The organization making a submission shall ensure that all proposals:

- a) are complete, and
- b) a copy of the final version of the new Product Specification is made available to the Register Manager.

The Register Manager shall:

- a) receive proposals from Submitting Organizations;
- b) review proposals for completeness;
- c) return proposals to the Submitting Organization if incomplete; and
- d) update the item management record, with the status set to 'pending'.

The Register Manager shall use the following criteria to determine if a proposal is complete:

- a) the proposed item does not fall within the scope of the Register; or
- b) a registered item (or similar) to the proposed item already exists.

5.4 Approval Process

The Register Manager shall ensure that the acceptance criteria have been satisfied

The Register Manager shall:

- a) serve as the point of contact if there is a need for negotiations with a Submitting Organization regarding any changes required to a proposal; and
- b) inform the Submitting Organization of the results of each proposal.

If the proposal is accepted, the Register Manager shall in accordance with policies for the Register:

- a) include the relevant details in the contents of the Register,

If a proposal is not accepted, the Register Manager shall:

- a) inform the Submitting Organization of the 30 working day deadline for appealing the decision of the Register Manager and
- b) make the results of the approval process available to all interested parties.

5.5 Withdrawal of Proposals

Submitting Organizations may decide to withdraw a proposal at any time during the approval process.

The Register Manager shall then:

- a) change the proposal management disposition to 'withdrawn' and the value for *dateDisposed* to the current date, and
- b) keep track of the proposal and report the withdrawal in the next periodic report.

5.6 Appeals

A Registry Manager may appeal to the Executive Control Body (and ultimately the HSSC) if it disagrees with the decision of the Register Manager to reject a proposal for the inclusion of a Product Specification in the Register. An appeal shall contain at a minimum a description of the situation, a justification for the appeal, and a statement of the impact if the appeal is not successful.

The Submitting Organization shall submit its appeal to the Register Manager.

The Register Manager shall:

- a) forward the appeal to the Executive Control Body or HSSC as appropriate, and
- b) inform the appellant of the decision.

6 Administration of the Producer Code Register

6.1 Introduction

Representatives of organizations that require a data producer code shall submit applications for a Producer Code, using the mechanisms provided in the Registry web interface.

6.2 Eligibility Criteria

Government Authorities. Data producer codes allocated to Governments, authorized Hydrographic Offices or other relevant government institutions will be recorded in the Main part of the Register.

Other Product Specifications. Data producer codes allocated to all other [competent](#) organizations and entities will be included in the Supplementary part of the Register.

6.3 Submission of Applications

The Submitting Organization shall ensure that all applications are complete.

The Register Manager shall:

- a) receive applications from Submitting Organizations,
- b) review applications for completeness, and
- c) return applications to the Submitting Organization if incomplete.

6.4 Approval Process

The Register Manager shall ensure that:

- a) a suitable entry does not already exist in the Register, and if not;
- b) allocate a Producer Code; and
- c) inform the applicant within 10 working days.

The Register Manager shall:

- a) serve as the point of contact if there is a need for negotiations with an applicant regarding any changes required to an application.

6.5 Appeals

An applicant may appeal to the Executive Control Body (and ultimately the HSSC) if it disagrees with the decision of the Register Manager to reject an application.

The Submitting Organization shall submit its appeal to the Register Manager.

The Register Manager shall:

- a) forward the appeal to the Executive Control Body or HSSC as appropriate, and
 - b) inform the appellant of the decision.
-