Paper for Consideration by NIPWG

S-122 and S-123 draft Product Specifications

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Executive Summary:	Draft product specifications for S-122 (Marine Protected Areas) and S-123 (Marine Radio Services) have been prepared for review by NIPWG.
Related Documents:	S-122 & S-123 Product Specifications
Related Projects:	S-100

Introduction / Background

This paper presents the recently developed drafts of the S-122 (Marine Protected Area) and S-123 (Radio Services) Product Specifications for NIPWG consideration and review.

Analysis/Discussion

Under contract with IHB, an updated version of S-122 Marine Protected Areas & a first draft of S-123 Radio Services product specifications have been created. Input from the NIPWG has been used, along with the data model on the NIPWG wiki, to update and mature the two product specifications for use in test-beds. The documents and related artefacts have been made available to the NIPWG membership for comment. The planned comment period for the drafts is up to 30 days after NIPWG4.

In addition to the main product specification and appendices, each product specification package also includes an XML feature catalogue and XSD files implementing the GML data format. Sample GML datasets are also included.

An issue tracking spread sheet was captured during the process of developing the specifications and will be presented for comment to NIPWG.

It should be noted that no portrayal is specified due to the ongoing status of the S-100 portrayal discussion.

Subsequent to the first drafts of the product specifications, a decision was made to provide for delta update datasets in both S-122 and S-123, and redline versions of the drafts were prepared to describe the changes necessary for defining updates to S-122/S-123 datasets. The redline versions consist of only the main Product Specification and Validation Check Appendices (since changes to other components are not at this time believed to be needed for describing delta update datasets). NIPWG is invited to consider the requirements described by the redline markup as a method for incremental updating to NPUB data products.

Conclusions

The draft specifications are now believed to be in a good shape for further testing. The issues discovered during the specification development will be discussed for further actions as appropriate.

Recommendations

- For reviewers who have not yet reviewed the earlier drafts of the product specifications, the redline versions of the main Product Specification and Appendix E of S-122/S-123 should be convenient for review, since these also describe the proposed update rules and requirements.
- Reviewers who have already started reviewing earlier drafts need only examine the redline markup in the main Product Specification and Appendix E of S-122/S-123 in order to consider the proposed rules/requirements for updates.
- The other components of each package should be reviewed as usual.
- Reviewers without XML software may find it easier to review the ‘review prints’ of the XML feature catalogues than the XML FC files. Each “review print” is a ‘readable’ version of the corresponding XML Feature Catalogue and was generated from the XML file. The generation code is designed to emit the entire content of the XML FC, but at least some review or spot checks of the XML FCs would still be desirable.

Action Requested of NIPWG

The NIPWG is invited to:

a. Note this paper

b. Discuss the draft specifications and update redlines

c. Endorse the plan for review of the specifications.