

Paper for Consideration by NIPWG 1

Harmonization of Test Data Sets Format

Submitted by:	US (NGA)
Executive Summary:	Presentation of Harmonization of Test Data Sets format.
Related Documents:	NIPWG 1-11.1 (NP-1 Traffic Management Updated Test Data Set)
Related Projects:	NP-1 Test Data Sets for Physical Environment, Radio Services, and Traffic Management

Introduction/Background

Test data sets for Physical Environment, Radio Services, and Traffic Management have been presented and discussed at previous SNPWG meetings. It has been noted that the format for the test data sets are different, based on the format used by the originating hydrographic office which created the test data set. Concerns were expressed that different formats in each of the test data sets would increase the difficulty of modeling the data.

Analysis/Discussion

Formatting—Discussions concerning the harmonization of the format for test data sets were conducted at SNPWG 18 in Cadiz. The consensus that developed was a standard format would make it easier to model the test data sets. The format items discussed at SNPWG 18 and through follow-up e-mails discussions were, as follows:

1. Telephone and facsimile numbers.
2. Time (local/UTC).
3. Dates.
4. Latitude/Longitude, including:
 - a. Degree of precision required (minutes, tenths of minutes, seconds, tenths of seconds).
 - b. Number of digits required to depict whole degree value of latitude/longitude).
 - c. Punctuation (use of periods and commas).
5. Text format, including:
 - a. Type style (Times, Arial, etc.), format (bold, plain, etc.), and size (point size).
 - b. Numbering.
 - c. Indenting.

Visualization—Progress in developing our test data sets (Marine Protected Areas, Radio Services, Physical environment, and Traffic Management) can begin to imagine and develop the “tools and templates” used to access and display the navigational information to the user.

Annex A is the proposed items for the harmonization of the test data sets.

Annex B is a proposed sample template for displaying links to the navigational information contained in test data sets.

Conclusions

Developing a harmonized format for test data sets will enable easier and more consistent modeling of the data.

Recommendations

Convert the current test data sets to take into account the harmonized format developed for test data sets. Use the harmonized format when developing future test data sets.

Justification and Impacts

The work has impacts on the development of product specifications.

Action Required of NIPWG 1

The NIPWG 1 is invited to:

1. Note this paper.
2. Be prepared to discuss the harmonization proposals contained in Annex A in order to come up with a final harmonized format for test data sets.
3. Note the format of the proposed sample test data set template in Annex B.