

Paper for Consideration by NIPWG 1

NP-1 Traffic Management Updated Test Data Set

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| Submitted by: | US (NGA) |
| Executive Summary: | Presentation of updated Traffic Management Test Data Set. |
| Related Documents: | NIPWG 1-7.1 |
| Related Projects: | NP-1 Test Data Samples for Navigational Services, Physical Environment, and Radio Services. |

Introduction/Background

The initial NP-1 test data set for Traffic Management was presented at SNPWG 17 in Rostock. An updated test data set for Traffic Management was presented at SNPWG 18 in Cadiz.

Analysis/Discussion

The updated Traffic Management test data set presented at SNPWG 18 was divided into five categories (along with appropriate sub-categories), as follows:

1. Ship Reporting Systems.
2. Interactive Traffic Control.
3. Passive Traffic Control.
4. Traffic Control Signals.
5. Regulatory Reporting Requirements.

The discussion at SNPWG 18 and subsequent e-mail interactions resulted in the following recommended action items to be applied to update the test data set:

1. Combine *Traffic Separation Schemes* and *Recommended Routes* into one topic designated *Tracks and Routes* under the **Passive Traffic Control** category.
2. Expand the *Vessels in a Dangerous Condition* topic under the **Regulatory Reporting Requirements** category.
3. Develop visual depictions of the signals listed in the *International Port Control Signals* and *Harbor Control Signals* tables in the **Traffic Control Signals** category.
4. Develop a harmonized format for depicting test data set information.

Work continued on the Traffic Management Test Data Set for presentation of an updated paper at NIPWG 1. The discussions at SNPWG 18 and subsequent e-mail interactions resulted in the following recommended action items being applied to update the test data set:

1. Combined *Traffic Separation Schemes* and *Recommended Routes* into one topic designated *Tracks and Routes* under the **Passive Traffic Control** category.
2. Expanded the *Vessels in a Dangerous Condition* topic under the **Regulatory Reporting Requirements** category to include types of dangerous conditions to be reported and the information required to be included in the report.
3. Developed visual depictions of the signals listed in the *International Port Control Signals* and *Harbor Control Signals* tables in the **Traffic Control Signals** category to replace/complement text descriptions of these signals.
4. The test data set has been updated to reflect the format described in NIPWG 1-7.1 (Harmonization of the Format for Test Data Sets).
5. Updated the schematic diagram (see Annex A) for the NP-1 Traffic Management Test Data Set with several new categories, as follows:

- a. Ship Reporting Systems—New category composed of Voluntary Ship Reporting Systems, Mandatory Ship Reporting Systems, and Seasonal Ship Reporting Systems.
 - b. Traffic Control—New category composed of Interactive Traffic Control, Passive Control, and Traffic Control Signals.
6. Developed a revised numbering system for the Table of Contents, headings, and paragraphs for the test data set.

Annex A is an updated schematic diagram for the updated NP-1 Traffic Management Test Data Set.
Annex B is the updated NP-1 Traffic Management Test Data Set.

Conclusions

Users of navigational safety information from an ECDIS are not concerned if the information came from a sailing directions, pilot book, light list, or radio aids publication. They are only concerned with the currency and accuracy of the information and the display clarity.

Recommendations

Continue developing navigational safety information test data sets for other categories.

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. Consider any categories and sub-categories that have not been included in the Traffic Management Test Data Set.