

## Paper for consideration by NIPWG2

### Status of the NIPWG submissions to the S-100WG

<b>Submitted by:</b>	NIPWG Chair group
<b>Executive Summary:</b>	Brief on the submissions to the S-100WG status, Discussion of fuzzy areas submission
<b>Related Documents:</b>	NIPWG 2-6.3 Annexes A, B and C S-100 proposal form on supplementary file extension NIPWG Letter 4/2015
<b>Related Projects:</b>	S-100 Ed. 2.0.0 ProdSpec under NIPWG responsibility

#### Introduction / Background

The development and maintenance of the S-100 is the objective of the S-100WG.

The NIPWG is responsible for developing Product Specifications which provide shipboard users the necessary and up-to-date information in a timely manner to allow for the planning of a safe route for the intended voyage and the safeguarding of the ship's navigation throughout the voyage.

Both the S-100WG and the NIPWG are subsidiaries of the HSSC.

The S-100 was developed with the aim to provide the hydrographic community a hydrographic universal data model. The NIPWG detected that this data model doesn't support some functions which are considered as being necessary during the product specification development process.

Submissions to the next S-100WG meeting have been made with the objective to have those functions available.

#### Analysis/Discussion

##### Submissions to the S-100WG

As mentioned in NIPWG letter 4/2015, the NIPWG intended to provide following submissions on S-100 improvements to the next S100WG meeting for consideration:

1. Restructure the registry in a way that the data will be stored agnostically instead of domain related (Annex B),
2. Implementation of the use of persistent unique identifier (Annex C),
3. Addition of pdf to the list of supported file formats, and
4. Addition of fuzzy areas to the list of supported spatial (Annex A).

All submissions have been developed by experts and the submissions have been provided to the S-100WG in time.

Due to the fact that the S-100WG meeting is just one week before NIPWG2 it is not possible to provide an outcome of the discussion by this paper.

Thus, the meeting will be informed by the NIPWG representative orally.

##### Definition of fuzzy areas

The paper on fuzzy areas discusses the various scenarios which may occur in relation to those areas. The paper is also discussing proposals on how to define the different levels of fuzziness.

##### Justification and Impacts

Assuming the submissions have been accepted, the work on the product specifications can proceed.

Assuming the submissions have been declined, the NIPWG has either to redraft the submission and provide them again or to seek alternative solutions which could satisfy the product specifications request.

**Action required of NIPWG2**

The NIPWG2 is invited to:

- a. note this paper;
- b. make decisions which are based on the actions mentioned in Annex A;
- c. specify if the proposed levels of fuzziness are proportionate for NPUB purposes.