**NIPWG8-57.2**

**Paper for Consideration by NIPWG**

**Outline paper providing the whole picture of future S-100 compliant products**

***Submitted by:*** NIPWG Chair

***Executive Summary:*** Recommendation to HSSC to initiate description of the whole S-100 concept and architecture and effects on stakeholders

***Related Documents:*** S-100 based product specifications

***Related Projects:***

**Introduction / Background**

Considering the NIPWG responses on the IALA S-201/S-125 outline paper, and taking into account the recent WENDWG discussions which data or products are official according to SOLAS Chapter V Reg 9 and their dissemination under the WEND100 principles, NIPWG considers it necessary to develop a paper discussing operational aspects of the future S-100 environment.

**Analysis/Discussion**

There is a lack of understanding or at least different expectations on how the different products under the remit of IHO should work together in a future S-100 based ECDIS machine. The requested description of IMO’s Maritime Services in context of e-navigation put an obligation on IHO to provide information on what/how/when. That should also include the interaction with stakeholders, which have direct relations to the IHO prod specs, such as IALA.

The paper should describe how products work together in an S-100 based environment. This environment envisaged complexity, more interoperability and the use of the information for purposes beyond navigation. The paper should further address the internal and external data contributions, data stream aspects and legal questions.

Therefore, NIPWG recommends HSSC to order the development of such a paper. This paper can complement the S-100 architecture. NIPWG stands ready to take this work.

**Recommendations**

NIPWG WG members should stand ready to provide the intended table of content, to identify the interfaced with stakeholders and to develop mechanism how to compile the contributions. NIPWG can assume a closer relationship to all involved parties.

A small editing team should control the contributions and should support the harmonized provision of information to the various chapters.

**Action required of NIPWG**

The NIPWG is invited to:

1. Note this report.