

**Paper for consideration by SNPVG17  
Meta Data set for NPUB Products**

<b>Submitted by:</b>	SNPVG Chair group
<b>Executive Summary:</b>	Opening of a discussion of the adoption of TSMAD Metadata set for NPUB products
<b>Related Documents:</b>	<a href="http://www.iho.int/mtg_docs/com_wg/TSMAD/TSMAD27/TSMAD27-4.3.3B_Part_4A_Metadata_2.0.0_through_TSMAD27_proposals.pdf">http://www.iho.int/mtg_docs/com_wg/TSMAD/TSMAD27/TSMAD27-4.3.3B_Part_4A_Metadata_2.0.0_through_TSMAD27_proposals.pdf</a> <a href="http://www.iho.int/mtg_docs/com_wg/TSMAD/TSMAD28_DIPWG6/TSMAD28_DIPWG6_12.6A_S102_Clarification_CARIS.pdf">http://www.iho.int/mtg_docs/com_wg/TSMAD/TSMAD28_DIPWG6/TSMAD28_DIPWG6_12.6A_S102_Clarification_CARIS.pdf</a>
<b>Related Projects:</b>	S-100 Ed. 2.0.0 S-122, S-123, S-125, S-126, S-127

### **Introduction / Background**

Metadata provides information about the identification, the extent, the quality, the spatial and temporal schema, spatial reference, and distribution of digital geographic data. In principle, it provides information on the basic characteristics of a piece of data or information resource.

NPUB Product Specifications can be seen as information resources and thus, the proper provision of a set of metadata is essential for the correct computing of NPUB Product Specification information in future ECDIS Systems.

### **Analysis/Discussion**

The current S-100 version provides a set of metadata to be used for S-100 based Product Specifications. The relevant section of S-100 is Part 4a. This part was under revision at TSMAD27.

CARIS is working on the implementation of the S-102 Product Specification and is attempting to create the XML Schema for the S-102 metadata.

The experience shows that the metadata set of S-102 and the metadata set of S-100 have gaps which makes the interoperability between different Product Specifications impossible or at least extremely difficult.

### **Conclusions**

The provision of a metadata set which corresponds with the metadata set of the S-100 Edition 2.0.0 is essential. The NPUB Product Specifications which are either under development or planned should consider the S-100 Edition 2.0.0 Part 4a.

### **Recommendations**

The SNPVG has to consider the set of metadata to be used for the Product Specifications under its responsibility.

### **Justification and Impacts**

The consideration has no impact on the work. Due to the planned introduction of the S-100 edition 2.0.0 early in 2015, the work does not have the highest priority.

### **Action required of SNPVG17**

The SNPVG17 is invited to:

- a. note this paper,
- b. consider the establishment of a sub-WG on test bed development.