

## Paper for Consideration by TSMAD27

## S-100 Status Update

<b>Submitted by:</b>	TSMAD Vice Chair
<b>Executive Summary:</b>	This paper presents an update of all proposals to S-100 and seeks to establish a publication date for edition 2.0.0
<b>Related Documents:</b>	N/A
<b>Related Projects:</b>	S-10X Product Specifications.

**Introduction / Background**

S-100 Edition 1.0.0 was released for public use in January 2010. Since its publication there have been numerous proposals to correct, clarify and extend S-100. These proposals were a direct result from developers of S-100 product specifications noting that there were some inconsistencies in S-100 that needed to be fixed.

**Analysis/Discussion**

The following table represents a summary of proposals that have been submitted and accepted for 2.0.0.

Part Title	Part Number	Proposal Submitted	Proposal Accepted	Comment
Overview	S-100 Part 0	1	1	
Conceptual Schema Language	S-100 Part 1	2	1	There is a proposal for TSMAD27
Management of IHO Geospatial Information Registers	S-100 Part 2	2	2	
Feature Concept Dictionary Registers	S-100 Part 2a	3	2	There is a proposal for TSMAD27
Portrayal registers	S-100 Part 2b	?	?	
General Feature Model and Rules for Application Schema	S-100 Part 3	4	3	There is a proposal for TSMAD27
Metadata	S-100 Part 4a	2	1	There is a proposal for TSMAD27
Metadata for Imagery and Gridded Data	S-100 Part 4b	1	1	
Metadata – Data Quality	S-100 Part 4c	-	-	
Feature Catalogue	S-100 Part 5	3	2	There is a proposal for TSMAD27
Coordinate Reference Systems	S-100 Part 6	-	-	
Spatial Schema	S-100 Part 7	1		There is a proposal for TSMAD27
Imagery and Gridded Data	S-100 Part 8	1	1	
Portrayal	S-100 Part 9			Still waiting for DIPWG to finalize the document
Encoding Formats	S-100 Part 10	-	-	
ISO/IEC 8211 Encoding	S-100 Part 10a	3	2	There is a proposal for TSMAD27
GML Encoding	S-100 Part 10b	1		There is a sub-working group for TSMAD27
Product Specifications	S-100 Part 11	4	2	There is a proposal for TSMAD27
S-100 Maintenance Procedures	S-100 Part 12	-	-	

In addition, to the above proposals work is being done on providing for an S-100 Part 10b – GML encoding. A small sub-working group will meet in conjunction with TSMAD27 to finalize the draft of the GML profile for TSMAD review and approval into S-100.

It should be noted that DIPWG is making progress on S-100 Part 9 and should have an initial draft for joint TSMAD/DIPWG review at TSMAD28/DIPWG6.

### **Conclusions**

There are a fair number of accepted proposals to S-100 that are substantive in nature and are needed by various working groups in order to produce S-10X product specifications that TSMAD should consider setting a date for the next publication of S-100 edition 2.0.0.

### **Recommendations**

It is recommended that if DIPWG is able to complete the portrayal section by TSMAD28/DIPWG6 then S-100 edition 2.0.0 should be submitted to HSSC7 for approval and subsequent MS vote with the aim of publishing the next edition of S-100 in early 2015.

### **Action Required of TSMAD**

The TSMAD is invited to:

- a. note the above paper
- b. endorse the proposed timeline for the next edition of S-100