Paper for Consideration by TSMAD

S-100 Metadata Schema Progress v2

Submitted by:	UK
Executive Summary:	This paper present
Related Documents:	a) TSMAD 25 4.3.2
Related Projects:	1. S-100
	2. S-101

Introduction / Background

1. A paper to TSMAD 25 (reference a) identified that metadata schemas are a missing component of S-100. The meeting assigned an action to the UK and IIC Technologies to produce exchange set metadata schemas for S-100. This paper reports on progress of this item and proposes next steps.

Analysis/Discussion

2. Work on this action began by reviewing the S-100 Metadata section and agreeing and the structure that metadata schemas should take. The first point to clarify is that S-100 specifies two types of metadata standalone files following the ISO 19115 and ISO 19139 but also exchange set metadata as defined in 4A-D.

3. It is noted that although the requirements are specified there is no explanation of how the different metadata approaches should be reflected in metadata documents and how they should be managed. This would be specified further within a product specification but S-100 should provide general guidance. It is proposed that the entire S-100 part 4 section is reviewed with this in mind.
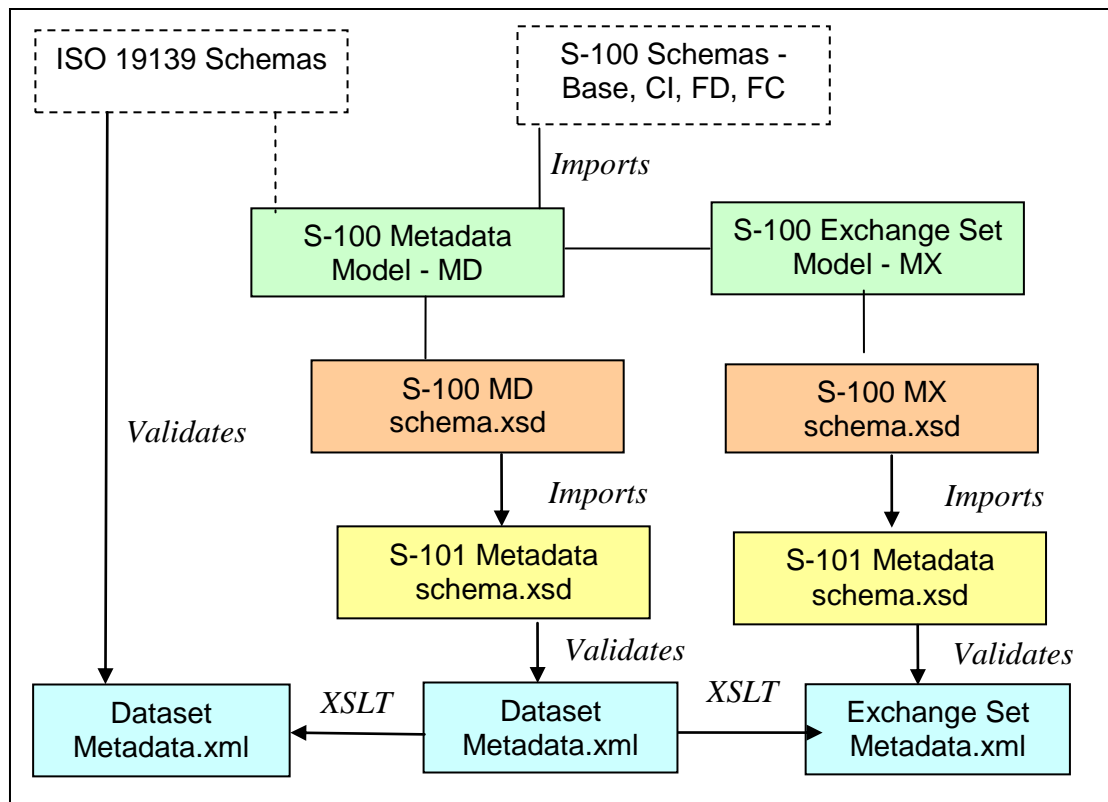

Figure 1 – Proposed approach to S-100 Metadata Schemas

4. For the Feature Catalogue and Feature Data Dictionary a number of schemas exist reflecting the S-100 models using the S100FC, S100FD etc identifiers. It is proposed that the same approach should be taken for metadata. This reflects that S-100 extends ISO 19115 and the schemas will reflect that. Translations to ISO 19139 compliant documents can be created. The UK has begun work on this which IIC technologies will then review. It is planned that this work can be completed during 2013 as other priority work items are completed. The overall structure is proposed in figure 1.

5. A further item to note is that S-100 requires a metadata register for the registration of Metadata Items. S-101 already contains some of these. A separate action is therefore to develop an S-100 Metadata Register within the S-100 GI Registry. TSMAD should identify resources to complete this task.

Conclusion

6. This paper reports on progress in developing S-100 metadata schemas. Much work remains to be done, however TSMAD is invited to approve the approach being taken and expect a further submission including draft schemas to TSMAD 27.

Action Required of TSMAD

- To note this report of progress and comment on the proposed approach.

- To consider the need to review the S-100 Metadata section to make implementation more clear.

- To consider the resources and priority of developing an S-100 Metadata Register.