

**S-101 Risk Register**

The purpose of this risk register is to assess the different pieces that are needed to bring S-101 together. Although, it was originally intended for S-101 to be completed by January 2013 in order to be ready for a thorough test bed process, circumstances that are beyond the scope of TSMAD have necessitated another look at the schedule. As part of this look it is important to identify each piece of the project and assess the risk in order to see if additional resources need to be applied.

This Risk Register is split into three parts:

- S-100 – Are the S-100 pieces in place to develop a fully mature S-101 product specification
- S-101 – What pieces need to be in place to complete the S-101 product specification and how are they progressing
- S-100/S-101 Test Beds – What needs to be done in order to test S-101.

**PART 1: S-100 Risk Register**

ID	Task	Planned Completion Date		% Comp	Expected Completion Date	Impact	Action to Manage Risk
1	S-100 Portrayal Completed	June 2013		85%	June 2013	High	Meetings in Tokyo and Frankfurt <ul style="list-style-type: none"> <li>• Model has made progress. Could be approved at TSMAD/DIPWG in June 2013</li> <li>• The S-100/101 portrayal will evolve throughout the testbed process also</li> </ul>

2 <sup>1</sup>	S-100 Portrayal Catalogue Builder completed	October 2013			Feb 2014	High	<p>In order to create a portrayal catalogue builder the S-100 portrayal component needs to be decided on. Once this is decided, then it is a matter of allocating resources (\$\$\$) to build it.</p> <ul style="list-style-type: none"> <li>• It might be possible that all or part of the first S-101 Portrayal Catalogue could be “built by hand” to facilitate starting testbed activities</li> <li>• This is probably more complicated than we would hope and may have to be iterated throughout the testbed process as well.</li> </ul>
3	S-100 Feature Catalogue Builder completed	June 2013		90%	June 2013	High	NOTE: It is currently complete and just needs more testing

**PART 2: S-101 Product Specification Task and Risk Register**

ID	Risk	Planned Completion Date		% Comp	Expected Completion Date	Impact	Risk Mitigation
1	Main Product Specification complete(Portrayal Excluded)	October 2013		95%	October 2013	High	S-101 is out for a final round of comments. The main PS is fairly stable and outstanding issues need to be followed up in test beds

<sup>1</sup> NOTES:

- Estimate that builder application will take 6-8 months to develop.
- Portrayal register contents are solely based on S-52.
- Register content needs to be validated and any new S-100/101 content added

2 <sup>2</sup>	S-101 Portrayal complete	October 2013	10%	10%		High	<p>Until S-100 portrayal is complete, this portion cannot be finalized. Develop an “S-52” version of the catalogue that contains the new features.</p> <ul style="list-style-type: none"> <li>• It might be possible that all or part of the first S-101 Portrayal Catalogue could be “built by hand” to facilitate starting testbed activities</li> <li>• Aspects of catalogue that are not built or would depend on CSP logic would display default symbology]</li> </ul>
3	S-101 Data Classification and Encoding Guide complete	October 2013	90%	90%	October 2013	High	The DCEG is out for another round of comments. Still needs full TSMAD review
4	New features and attributes added to the FCD for S-101	November 2013	0%	0%	November 2013	Low	Need to ensure that we have the proper resource to add the new items to the FCD. Although the FC can be created without registering the new features
5	Create a new version of the Feature Catalogue	December 2013	0%	0%	December 2013	High	Need to ensure that we have the proper resource to build the latest version of the feature catalogue
6	New CATZOC Model and Portrayal Algorithm		0%	0%		Medium	DQWG has defined the features. TSMAD to liaise with DQWG to understand when the portrayal algorithm will be completed.

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<sup>2</sup> NOTES:

- Section 9 – will primarily point to S-100
- Portrayal Implementation Guidance Annex – First draft extracted and adapted from S-52. This section will grow throughout testbed phase. Portions of the content may be “promoted” to S-100 or “demoted” to S-101 depending on its degree of applicability to other S-100 based products.
- Portrayal Catalogue must include 1. Porting rules from S-52 for feature/attributes that migrate from S-57 to S-101 (easier) and 2. Developing rules for new or modified S-101 feature/attributes (harder)
- Still working on simplifying CSPs – either by creating new structures in S-100/101 or by writing “hardwired” functions in XSLT or Unicode (OEMs are needed for this)
- OEMs just changed their preference for point symbol encapsulation from CGM to SVG.
- Initial test bed activities may have to depend on proprietary (or at least non-CGM, non-SVG symbol formats

7	S-57 to S-101 Converter updated to provide test data	January 2014		65%	January 2014	High	Ensure that ESRI will continue to support the Converter until it is turned over to the IHO. ESRI has self-funded a good portion of the development for the initial phase. It will require some additional funds to complete.
8	S-58 for S-101 Data Validation	October 2014		0%	October 2013	Medium	Create a subset of existing S-58 checks for S-101 and add additional checks based on the new product specification

### PART 3: S-100/S-101 Test Bed Risk Register

Note: This will need more definition from TSMAD as to what is the vision for an S-100/S-101 test bed. Do we need a data editor, simple data viewer, or a fully-fledged navigation system?

ID	Risk	Planned Completion Date		% Comp	Expected Completion Date	Impact	Risk Mitigation
1	S-100/S-101 Overarching Test Strategy	October		50%	October 2012	High	Set up a small working group to develop the test strategy
2	S-101 Test Cases completed	October 2013		0%	October 2013	High	IHB to let out a contract to complete this work item
3	S-101 Test Plan Completed	October 2013		50%	October 2013	High	TSMAD currently has a framework in place
4	S-101 ECDIS (non-type approved) capable of testing S-101	May 2014		0%	May 2014	High	Work with several organizations to ensure that there is a system that is capable of testing the functionality of S-101