S-101 Risk Matrix

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.

	S-100 Task and Risk Register						
ID	**Task**	**Planned Completion Date**		**% Comp**	**Expected Completion Date**	**Impact**	**Action to Manage Risk**
1.a	S-100 Portrayal Completed (SVG Profile Excluded)	June 2013		98%	~~October 2013~~ April 2014	High	Significant progress was made at meetings in Tokyo and Frankfurt Model is essentially complete with just a few small portions remaining to cleaned-up. DIPWG accepted the model in June 2013 Work on S-52 PresLb4.0 is now winding down and those resources will hopefully be able to devote some time to completing the remaining Section 9 text soon.

1.b	S-100 Portrayal SVG Profile completed	June 2013		5%	December 2013	Medium	An S-100 SVG profile will be created under the Portrayal Catalogue Builder contract, which ends Dec 2013. The profile may be available earlier than Dec.
2	S-100 Portrayal Catalogue Builder completed • Portrayal register contents are solely based on S-52. • Register content needs to be validated and any new S-100/101 content added	October 2013			December 2013	High	Portrayal Catalogue Builder Contract has been let by the IHO • 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.
3	S-100 Feature Catalogue Builder completed	June 2013		90%	~~November 2013~~ TDB	High	NOTE: The functionality has been demonstrated, however, due to loss of UKHO resources there is a delay in the production of an S-101 baseline feature catalogue. Need additional resources to complete it so it can work on the registry server. Issues with TomKat. **Contract support from the IHO for IT issues.**

	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		90%	October 2013	High	The main PS is fairly stable and outstanding issues need to be followed up in test beds

2	S-101 Portrayal complete	October 2013		50%	April 2014	High	Until S-100 portrayal is complete, this portion cannot be finalized. As S-52 also feeds into the implementation guidance, this section cannot be completed until S-52 is completed. 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.
3	S-101 Data Classification and Encoding Guide complete (Baseline)	October 2013		100%	~~October 2013~~ December 2013	High	This version is considered the baseline version for testing.
4	New features and attributes added to the FCD for S-101	November 2013		0%	~~November 2013~~ TBD	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%	~~December 2013~~ TDB	High	Need to ensure that we have the proper resource to build the latest version of the feature catalogue

6	Create the first iteration of the Portrayal catalogue	December 2013			December 2013		Develop an "S-52" version of the catalogue that contains the new features. • 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 Aspects of catalogue that are not built or would depend on CSP logic would display default symbology
7	New CATZOC Model and Portrayal Algorithm	May 2014		50%	May 2014	Medium	DQWG has defined the features. TSMAD to liaise with DQWG to understand when the portrayal algorithm will be completed.
8	S-57 to S-101 Convertor updated to provide test data	January 2014		65%	~~January 2014~~ TBD	High	Ensure that ESRI will continue to support the Convertor 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. NOTE: United States will be providing some additional funding for the next iteration.
9	S-58 for S-101 Data Validation	October 2014		0%	October 2014	Medium	Create a subset of existing S-58 checks for S-101 and add additional checks based on the new product specification

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?

	S-100/S-101 Test Bed Risk Register						
ID	**Risk**	**Planned Completion Date**		**% Comp**	**Expected Completion Date**	**Impact**	**Risk Mitigation**
1	S-101 Test Cases completed	October 2013		0%	April 2014	High	IHB to let out a contract to complete this work item.
2	S-101 Test Plan Strategy	October 2013		95%	October 2013	High	
3	S-101 Test Framework	April 2014		20%	April 2014	High	Hold Test Framework meeting in September 2013
2	S-101 Test Plan Completed	October 2013		50%	April 2014	High	
3	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