

Paper for Consideration by TSMAD**S-101 status and risk register**

Submitted by:	TSMAD Vice Chair
Executive Summary:	This paper will give TSMAD an update on S-101 Development
Related Documents:	S-101 Product Specification TSMAD29/DIPWG7 10.2B (Risk Register) TSMAD29/DIPWG7 10.2C (Timeline)
Related Projects:	S-101

Introduction / Background

Over the past year S-101 has been moving towards establishing a baseline version for testing in the S-100 test bed. This paper will provide a status update on the various activities that been undertaken since TSMAD28. These activities are collected and tracked in the S-10/S-101 Risk Register (TSMAD29/DIPWG7 10.2B).

Analysis/Discussion

S-101 is a multi-part product specification when put together will form the basis for the creation and display of Electronic Navigational Charts. The major components of S-101 are:

- A. S-101 Main
- B. S-101 Data Classification and Encoding Guide
- C. S-101 8211 Annex
- D. S-101 Feature Catalogue
- E. S-101 Portrayal Catalogue
- F. S-101 Implementation Guidance

In order for S-101 to be at a stage for TSMAD to start testing the following components must be near or at completion.

- A. S-101 Main
- B. S-101 Data Classification and Encoding Guide
- C. S-101 8211 Annex
- D. S-101 Feature Catalogue
- E. S-101 Portrayal Catalogue

The S-101 Implementation Guidance will continue to be refined during the test process and needs to be completed prior to TSMAD forwarding S-101 on to HSSC for approval.

The S-100/S-101 risk register highlights the areas where more work needs to be done and where progress is on track.

See TSMAD28/DIPWG6 10.2B for the Risk Register

Major Project Highlights:

1. The Main Portrayal Catalogue Builder has been completed. This work has gone from medium risk (yellow) to low risk (green).
2. KHOA has developed the next iteration of the S-100 Feature Catalogue Builder and the baseline S-101 Feature Catalogue. This work has also gone from medium risk (yellow) to low risk (green)
3. NOAA is funding the next iteration of the S-57 to S-101 convertor in conjunction with in-kind funding with ESRI. This work remains at medium risk (yellow).

4. Very little progress has been made in creating the S-101 portrayal catalogue. This activity remains at a high risk (red). Currently there needs to be an update to the S-100 Portrayal Register and Portrayal Catalogue builder in order to build a portrayal catalogue for S-101.
5. Preliminary test cases have been completed for the S-100 test framework and for S-101 under IHB contract.

Next Steps

1. Work to complete the S-101 Portrayal Catalogue.
2. Create test data for both the S-100 and S-101 test bed.

Action Required of TSMAD

The TSMAD/DIPWG is invited to:

Note the S-101 Risk Register and Status of the various high level tasks.