

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

<b>Submitted by:</b>	TSMAD Vice Chair
<b>Executive Summary:</b>	This paper will give TSMAD an update on S-101 Development
<b>Related Documents:</b>	S-101 Product Specification TSMAD28/DIPWG6 10.1B TSMAD28/DIPWG6 10.1C
<b>Related Projects:</b>	S-101

**Introduction / Background**

S-101 has been in a continuous development cycle for the past several years and one of the key decisions of TSMAD27 was that S-101 was at the stage where it could be considered almost at the baseline version for the initial stages of testing using the S-100 testbed.

There are few outstanding items that need to be completed before TSMAD can release S-101 as an initial version for testing.

**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 10.1B for the Risk Register

**Major Project Highlights:**

1. The IHB tendered a contract to build the portrayal catalogue builder. This work has gone from high risk (red) to medium risk (yellow)

2. KHOA is developing the next iteration of the S-100 Feature Catalogue Builder and the baseline S-101 Feature Catalogue. This work has also gone from high risk (red) to medium risk (yellow)
3. NOAA is funding the next iteration of the S-57 to S-101 convertor. This work remains at medium risk (yellow).

In addition, this iteration of the risk register has now added high level tasks for each phase of the S-100 test bed in order for TSMAD to assess and mitigate risk throughout the testing process.

### **Next Steps**

1. The IHB has tendered a contract for the development test cases for S-101 and the S-100 testbed. Once these are completed they will need to be reviewed. It is suggested that TSMAD hold another S-100/S-101 test bed development meeting to review these test cases and to coordinate the various parts of the test bed that are under development by both MS (KHOA/United States) and expert contributors.
2. Work on the development of test datasets to be used as part of the test bed.

### **Action Required of TSMAD**

The TSMAD is invited to:

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

Hold another S-100/S-101 Test Bed Strategy meeting before the next TSMAD meeting to coordinate test bed activities.