

Paper for Consideration by DIPWG

S-101 Portrayal Catalogue Preparation

Submitted by:	S-101 Work Item Leader
Executive Summary:	The portrayal catalogue is a key component of S-101 and is needed for the initial draft. This paper proposes a sub-working group to provide draft guidance for the portrayal catalogue.
Related Documents:	S-100, S-101
Related Projects:	S-101 Data Classification and Encoding Guide

Introduction / Background

TSMAD is close to finalizing the initial draft of the S-101 Data Classification and Encoding Guide (DCEG) – which will feed into the S-101 Feature and Portrayal Catalogues. TSMAD utilized the DCEG format to initially define what is needed for the registry and to make it simpler to build the S-101 feature catalogue; however, a similar task needs to be undertaken for the portrayal aspect of S-101.

Analysis/Discussion

The DCEG defines all the features, attributes, feature attribute combinations and spatial geometries for S-101. While many of the existing S-57 features translated directly to S-101, there have been some significant changes in making certain attributes into complex attributes, adding new features and attributes that the existing S-52 look up tables and CSPs cannot directly translated into the S-101 Portrayal Catalogue Structure.

In order to track the changes what changes need to be discussed by DIPWG, a draft document has been prepared to enable DIPWG to manage change and build the initial S-101 Portrayal Catalogue. It should be noted that this draft document was initially harmonized to the DCEG in June 2012 and will require updating to the latest version of the DCEG. For familiarity, the draft document utilizes the S-52 look up table format.

Recommendations

It is recommended that DIPWG form a small subwg to discuss and document the new rules and symbols that are needed for S-101 based on the S-101 DCEG. This subwg can use the draft document or develop its own tracking methodology.

While it is anticipated that this work will continue through the lifecycle of the S-101 testbed, there is an urgent need for an initial set of rules for work to commence on the first iteration of the Portrayal Catalogue.

Justification and Impacts

For the S-100/S-101 test and development phase there is a need for an S-101 PC aligned to the DCEG. DIPWG should consider an iterative approach in developing this. The foundation can be used programmatically or semi programmatically to create an S-101 PC in advance of any catalogue builder being available.

Action Required of DIPWG

The DIPWG is invited to:

- a. agree to the formation of a subworking group to develop revised rules for changes that have occurred in the S-101 DCEG.