

Paper for Consideration by TSMAD

Validation Checks for S-101

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Executive Summary:	This paper discusses the need for a set of S-101 validation checks to provide the checks which S-58 currently provides for S-57 ENC. It discusses the items which need to be considered and how such a task might be undertaken.
Related Documents:	1. S- 101
Related Projects:	1. S – 101 2. S-58 5.0.0

Introduction / Background

1. For S-57 ENC S-58 provides a set of recommended validation checks. S-101 will also require a set of validation checks to ensure conformance to the rules defined in the product specification and within the Data classification and Encoding Guide (DCEG). A number of checks will carry over from S-57 ENC. This paper discusses the action required to develop a set of validation checks for S-101 ENC and proposes steps to begin their development.

Analysis/Discussion

2. The S-101 ENC product specification is reaching a stable draft version and the development of the draft DCEG is progressing. Therefore it is an appropriate time to begin developing a set of validation checks for S-101 ENC. This task will support the test phase of S-101.

3. The following items need to be taken into consideration;

- S-101 ENC Product Specification – the checks must cover all rules defined
- Changes to the ENC data model as defined in the Feature Catalogue
Examples new features and attributes
- Items enforced by the S-101 Feature Catalogue and therefore not required within S-58.
Examples – Mandatory attributes and allowable attributes.
- Current Revision of S-58 and the introduction of a minimum set of mandatory checks. Work should wait for a stable version of the current revision to be complete.
- S-100 Impact – It may be appropriate for ISO 8211 encoding related checks to be incorporated in S-100 in the future as they may be re-used for other products.

Conclusion

4. This paper discusses a gap for S-101 and proposes that TSMAD begin work to draft a set of S-101 ENC Validation checks taking account of the above. This will be dependent on the documents outlined above reaching sufficient maturity.

Action Required of TSMAD

- To establish a sub group to prepare a draft set of validation checks for S-101 ENC