

**Paper for Consideration by S-100WG****S-58 Validation Checks for S-101 data**

<b>Submitted by:</b>	Danish Geodata Agency
<b>Executive Summary:</b>	Conversion of the S-58 checks for use with S-101 datasets
<b>Related Documents:</b>	S-101 ENC Product Specification; S-101 Data Classification and Encoding Guide; S-58 Ed. 6.0.0
<b>Related Projects:</b>	S100 Working Group

**Introduction / Background**

In these later stages of development of the S-101 Product Specification it has been deemed necessary to develop validation checks for S-101 data. The Danish Geodata Agency took the lead on this development and a basecamp site set up for interested parties to contribute.

**Analysis/Discussion**

In order to develop these tests for S-101 data format we reviewed the current S-58 checks for S-57 data format and proceeded to check which ones needed to be changed, could stay as they were or could simply be deleted.

During this analysis it was proposed that the checks that related to the data structure could be separated from the S-101 ENC product specific checks and become the core of a set of generic S100 tests that could be applied to all the different S-10x products. The S-101 checks would then focus on the S-101 Product Specification, Feature Catalogue and Encoding Guide.

It is this point we wish to bring into discussion and ask for your opinion. Should the checks, which are in the current S-58 standard, and subject to adaptation, (numbered from 1 to 98) be conducted as a more generic checks on S-10X products? And if so who would be responsible for their development

**Conclusions**

As it being the starting point for this adaptation, we would greatly appreciate its review by this working group, so we can proceed in a more harmonized way.

**Recommendations**

We would recommend the development of S-100 generic tests that can be utilized by all S-100 products.

**Justification and Impacts**

By separating the non-product specific tests these would then be available for other products as well.

**Action Required of S-100WG**

To consider this approach and advise accordingly