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*Requirements and suggestions for the S-100 Implementation Decade in Navigation Systems
– An industry and user perspective.*

Validation of S-100 based products – new challenges

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In recent years, development of S-100-based product specifications has gained a lot of momentum. Some specifications (e.g., S-102, S-111) have already reached sufficient maturity for products based on them to be tested in operational distribution services.

At present, S-100 product specifications focus on the description of content, encoding structure, portrayal rules, metadata, etc. Validation rules have not been included yet. Fortunately, some S-100 sub-working groups are already working on validation checks, but the work is far from complete.

The presentation elaborates on the challenges of developing new validation rules for S-100 products. Interoperability of various data products in one application is a key aspect of the S-100 philosophy. Evidently it is not enough to set-up dedicated validation checks at single-product level only. There is a demand for rules on S-100 cross-product validation; such rules are aimed at verifying data consistency when applying quality assurance procedures prior to data distribution.