Paper for Consideration by S-100WG

Proposal for adding S-100 Compliancy Levels

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Executive Summary:	This paper proposes to extend S-100 with means for product specifications developers to declare S-100 compliancy categories as a way to give the S-100 implementers guidance to the degree of adherence a product specification comply with S-100.
Related Documents:	S-100, S-100WG4-6.7
Related Projects:	Any S-100 related project

Introduction / Background

At S-100WG3 and S-100WG4 there were discussion about what constitutes S-100 compliance in light of some of the amendments and extensions introduced to S-100 metadata for Edition 4.0.0. A core issue was the realization that S-100 compliance may not be the same as ECDIS compliance. This gave rise to a fair amount of uncertainty among implementers of S-100 since the discussion highlighted that S-100 compliance could mean different things to different groups.

Analysis/Discussion

At S-100WG4 it was agreed that there was a need to add a means of expressing S-100 compliance to S-100. The same meeting agreed to call this S-100 Compliance Categories. Action S-100WG4-16 was assigned to the authors of this paper to develop a change proposal for how the S-100 Compliance Categories concept should be added to S-100.

The requested change proposal has been drafted as an annex to this paper, and largely follows the wording as proposed in S-100WG4-6.7. Two additional constrains have been added to Category 4 to ensure the inclusion of machine readable alerts and indications, as well as adherence to interoperability concept where appropriate. Should S-100 Edition 5 not include these two concept, the two additions may be premature and should be removed with the expectation of being added when appropriate.

Conclusions

Adding compliancy levels to S-100 can assist implementers with their development and give indications to how likely a new product specification will function as expected in their systems.

Recommendations

It is recommended that the annexed change proposal is added to the next edition of S-100.

Action Required of S-100WG

S-100WG is invited to:

      a.   Note this paper

      b.   Accept the annexed change proposal