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# **S100\_SupportFileRevisionStatus clarification**

**Svein Skjaeveland**

# S100\_SupportFileRevisionStatus



- Part 17 (mandatory):

## S100\_SupportFileDiscoveryMetadata

Role Name	Name	Description	Mult	Type	Remarks
Class	S100_SupportFileDiscoveryMetadata	Metadata about the individual support files in the Exchange Catalogue	-	-	-
Attribute	fileName	Name of the support file	1	URI	See Part1, clause 1-4.6
Attribute	revisionStatus	The purpose for which the support file has been issued	1	S100_SupportFileRevisionStatus	For example new, replacement, etc
Attribute	editionNumber	The Edition number of the support file	1	Integer	When a data set is initially created, the Edition number 1 is assigned to it. The Edition number is increased by 1 at each new Edition. Edition number remains the same for a re-issue
Attribute	issueDate	Date on which the data was made	0..1	Date	

## S100\_SupportFileRevisionStatus

Role Name	Name	Description	Code	Remarks
Enumeration	S100_SupportFileRevisionStatus	The reason for inclusion of the support file in this Exchange Set	-	-
Value	new	A file which is new	1	Signifies a new file
Value	replacement	A file which replaces an existing file	2	Signifies a replacement for a file of the same name
Value	deletion	Deletes an existing file	3	Signifies deletion of a file of that name

## S100\_SupportFileRevisionStatus - intended use

- No descriptive information in Part 17 (17-4.3) related to the use of S100\_SupportFileRevisionStatus.
- Our understanding of this metadata information is that it provides a mechanism to indicate for the end user system whether a support file should be treated as new, replaced or deleted.

### S100\_SupportFileRevisionStatus = 1 (new)

The support file is included in the system file directory for support files – to be used upon query from the end user in ECDIS interface.

### S100\_SupportFileRevisionStatus = 2 (replacement)

The support file will override/replace an earlier version of the file already existing in the end user system file directory (if previous versions have been purchased) or the support file will be included in the system file directory (if previous versions have not been purchased).

### S100\_SupportFileRevisionStatus = 3 (deletion)

The support file will be removed from the end user system file directory (if previous versions have been purchased - If not – the support file will be ignored)

## S100\_SupportFileRevisionStatus vs editioning

- There is already a mechanism available based upon the edition numbering of support files, with a proposed addition, that we think could be used:
- Edition numbering of support files:

### Edition 1

The support file is included in the system file directory for support files – to be used upon query from end user in ECDIS interfase.

### Edition nnn (where n is in the range $2 < nnn \leq 999$ )

A simple comparison against previous versions editionNumber (if previous edition has been purchased) should tell the system to override/replace an earlier version of the file already existing in the end user system file directory.

And new proposed:

### Edition 0

To be used as delete instruction to delete the support file. (Maybe there should be a system check ensuring that none of current data holdings refer the support file in question).

## S100\_SupportFileRevisionStatus - Proposals

- The attribute S100\_SupportFileRevisionStatus, defined in S-100 Part 17 S100\_SupportFileDiscoveryMetadata should be removed.
- Consider incorporating the functionality of above described system attribute in IEC61174 describing the operational and performance requirements in S-100 ECDIS.
- Description of the intended use of editionNumber information in end user system should be described in S-100.
- Especially (if accepted by the WG) it is important to clarify that editionNumber=0 means that the support file must be removed from the end user system.

(If not accepted to remove S100\_SupportFileRevisionStatus - action must be taken to produce clarification in S-100 on the encoding of support files edition numbering and S100\_SupportFileRevisionStatus).