

## Paper for Consideration by TSM

### Fileless cancellation in S-100

<b>Submitted by:</b>	PRIMAR
<b>Executive Summary:</b>	After the finalization of S-100 5.2.0 by S-100WG, a sentence related to the encoding of fileless cancellations in CATALOG.XML needs further discussion.
<b>Related Documents:</b>	S-100 5.1.0 Part 17 S100TSM9-4.16 Dataset Cancellations without datafiles TWCWG8-4.2 Cancellation support clarification S-102PT16-1.5 Cancellation support clarification WENDWG14-07.1G Severity of cancellation traceability
<b>Related Projects:</b>	

#### Introduction / Background

PRIMAR identified an issue related to the inability to digitally sign a fileless cancellation instruction in a CATALOG.XML file. The issue was raised at TSM9. Action was taken to present the issue at WENDWG14 for further guidance. WENDWG recommended a solution should be found. The issue is covered by another paper in TSM10.

In parallel to the WENDWG handling of the issue, the project teams responsible for S-102,S-104 and S-111 were approached by PRIMAR to ensure a consistent approach to the implementation of fileless cancellations in their operational versions of the Product Specifications. All project teams favored the fileless cancellation mechanism as the only mechanism to be used for dataset cancellation, with the caveat to wait for WENDWG decision on the matter.

During the work with S-102 PT an issue related to the descriptive text in S-100 Part 17 for fileless cancellations was identified.

#### Analysis/Discussion

S-100 Part 17 clause 17-4.4.1 says:

*"Fileless cancellation may be achieved by using a dataset metadata entry with the filename and original digital signature specifying the resource to be cancelled, and with all other mandatory metadata fields also set to the same values as the original".*

"all other mandatory attributes" would cover issueDate too, so the dataset discovery metadata related to this fileless cancellation in the CATALOG.XML file would have to be the date the original dataset was issued. This seems a bit unlogic as we would expect the cancellation instruction itself to have its own issue date encoded, as that would reflect the date the cancellation is issued by the producer and becomes effective.

It should be discussed whether the sentence should be rewritten to reflect the demand for an individual IssueDate in the fileless cancellation metadata. Also, it should be discussed whether or not it is possible to issue such a change as a clarification to S-100 5.2.0.

#### Conclusions

- Discuss whether the sentence should be rewritten to reflect the demand for an individual IssueDate in the fileless cancellation metadata.
- Discuss whether or not it is possible to issue such a change as a clarification to S-100 5.2.0.

**Action Required of TSM**

The TSM is invited to:

- Note the paper and discuss the issue.
- Take any action appropriate.