Preservation Metadata Dictionary

PREMIS implementation in practice

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Abstract – This poster tells the story of designing the PMD in a way that is fully conformant with PREMIS, the leading standard on preservation metadata. It will give insight in the main structure of the PMD and it will illustrate its practical use with some examples.

Keywords – Preservation Metadata, PREMIS, OAIS information model

Conference Topics – Designing and Delivering Sustainable Digital Preservation.

I. Introduction

This Preservation Metadata Dictionary (PMD) of the Netherlands Institute for Sound and Vision, combines multiple object levels and perspectives including technical metadata on the file and bitstream level, event metadata, and rights metadata. The dictionary plays an important role in operational decision making, for instance on designing a new workflow on digitization or on implementing a new ingest workflow.

II. PREMIS conformant

International standards on metadata in general offer a generic and conceptual framework: a set of ideas and rules, flexible and broadly applicable. Each standard does so for its own perspective or domain.

The OAIS Information Package [1] is composed of several information objects. The PREMIS data model [2] consists of four core entities that in a way relate to the Information Package.

Implementing standards like these requires translating its set of ideas and rules to an organisation's own practices [3]. This means refining, itemizing and omitting where applicable. It also implies constantly making choices along the way, taking into account the principles of conformance and the principles of use [4]. This journey will be illustrated for the implementation of the PREMIS standard at Sound and Vision.

III. Practical use

A. Daily Ingest: the MXF as the source

The MXF that is imported daily is born digital. But as such it is the end product of the creation of a broadcast. The case will show how Sound and Vision perceives the audit-trail and what will be documented as significant properties.

B. Legacy, digitization: a digibeta from BCN

For the MXF that is the result of a digitization project from tape, the documentation of significant properties will be quite different.

C. Oldest Legacy: the film as the source

Finally the MXF that is created as a mezzanine for the DPX. Yet another case that had to be represented by the PREMIS model. The outcome is shown for the MXF as well as for the DPX.

IV. References

[1] OAIS2012, CCSDS, "Reference Model for an Open Archival Information System (OAIS)", Magenta book,
[2] http://public.ccsds.org/publications/archive/650x0m2.pdf, 2012.
[3] PREMIS Editorial Committee (2015). PREMIS Data Dictionary for Preservation Metadata, Version 3.0. http://www.loc.gov/standards/premis/v3/premis-3-0-final.pdf
[4] Digital Preservation Metadata for Practitioners, Angela Dappert, Rebecca Squire Guenther, Sébastien Peyrard, editors, 2016
[5] PREMIS Conformance, dd. 20-11-2017. http://www.loc.gov/standards/premis/premis-conformance-20150429.pdf

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