STORAGE AND STANDARDS:

Shaping Version 4 of the DP Storage Criteria

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Abstract – The Digital Preservation Storage Criteria ("Criteria") are designed to provide community guidance for organizations that either use or provide digital preservation storage. Currently on its fourth iteration, the Criteria have been mapped to relevant information security and digital preservation standards such as ISO 14721 (OAIS) and ISO 16363 (Audit and certification of trustworthy digital repositories). This standards mapping exercise has led to many changes in the Criteria. The authors propose a workshop to get feedback from participants on key elements of the draft fourth version of the Digital Preservation Storage Criteria ("Criteria").

This workshop will provide participants with an introduction to the Criteria and then will lead the participants in group exercises designed to test the assumptions and work behind draft version 4 of the Criteria. The expected outcomes are a deeper understanding of considerations for digital preservation storage by the participants, and feedback to the Criteria working group on draft version 4 before it is published after the conference.

Keywords – preservation storage, standards

Conference Topics – We're all in this together; From theory to practice.

I. INTRODUCTION

The Digital Preservation Storage Criteria [1] grew out of an iPRES 2015 community discussion on the various and evolving approaches to digital preservation storage. The discussion participants identified a gap in guidance for organizations that either use or provide storage for digital material that must be preserved long-term. An international working group of volunteers formed to develop what came to be the Digital Preservation Storage Criteria ("Criteria") and accompanying Usage Guide. From 2016-2019 the working group produced three iterative versions of the Criteria, each time gathering feedback at digital preservation conferences to improve the next version.

From 2020-2022 the working group mapped the Criteria to relevant information technology and digital preservation standards, such as ISO 14721 [2] and ISO 16363 [3]. The standards mapping process has resulted in many changes to the Criteria that will become Version 4. A review of these standards

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revealed where there were missing criteria, insufficient criteria definitions, and even missing categories of criteria. This workshop will give participants a chance to review and give feedback on draft Version 4 so that this feedback can be incorporated into the published version after the conference.

The target audience for this workshop are organizations that require or provide storage for digital content with long-term preservation needs. Because an introduction to the project will be provided at the beginning of the workshop, no prior knowledge of the Criteria is required to attend.

II. WORKSHOP DESCRIPTION

A. Format and Length

The authors propose either one or two ninety-minute blocks. If two blocks are provided, the first block will be an overview of the Criteria - how it came about, what it is intended for, how it is being used within organizations, and recent developments. After the break, the second block will be a series of group exercises to get feedback on draft Version 4 of the Criteria. If only one block is provided, the format will be the same, but the overview of the Criteria will be shortened to a thirty-minute introduction followed by an hour group exercise.

Props will be created for the group exercises, for example, printing the criteria and categories on cards that can be sorted and arranged. Participants will be divided into three to four groups (depending on the number of participants) to work through the exercises.

After the group exercises, the groups will come together to report back on results and discuss changes suggested by the groups. An open discussion will follow so that participants have an opportunity to give their overall feedback on draft Version 4. The feedback from the group exercises and open discussion will be incorporated into the published version after the conference.

B. Group Exercises

The Criteria are composed of 74 criteria, each with a name and definition. Each criterion is mapped to a single category, which also has a name and definition. Seven information security and digital preservation standards were reviewed, and excerpts of the standards were mapped to the relevant criteria. Group exercises have been designed to get feedback on the following questions.

1. *Exercise 1 - Are the criteria well-named and well-defined?*

Participants will be asked to match criteria names to criteria definitions to see if there are any difficulties in understanding the text used to name and define the criteria. Participants will also be asked if the definitions could be improved.

2. *Exercise 2 - Are the categories well-named and well-defined?*

Participants will be asked to match category names to category definitions to see if there are any difficulties understanding the text used to name and define the category. Participants will also be asked if the definitions could be improved.

3. *Exercise 3 - Are the criteria placed in the appropriate categories?*

Participants will be asked to match the criteria to the closest logical category to see where there is consensus and differing opinions. Where there are differing opinions, we will dive into the reasons for this.

4. *Exercise 4 - Do the standards map well to the relevant criteria?*

For key standards or excerpts, for example, key text from ISO 16363 [3], participants will be asked to map the excerpt to the relevant criteria. The purpose will be to see if participants mapped the excerpts to the same criteria as the working group in creating draft Version 4.

III. REFERENCES

[1] Schaefer, S. K., McGovern, N. Y., Zierau, E. M. O., Goethals, A. L., & Wu, C. C. M. (2022). Deciding how to decide: Using the Digital Preservation Storage Criteria. IFLA Journal, 48(2), 318–331.

[2] *Space data and information transfer systems – Open archival information system (OAIS) – Reference model*, ISO 14721, 2012.

[3] *Space data and information transfer systems – Audit and certification of trustworthy digital repositories*, ISO 16363, 2012.