

**Draft Meeting Minutes
PDF Reference**

**Conference Call Meeting
June 2, 2008**

1. Introduction and Welcome

The PDF-Reference committee was called to order at 11:05 a.m. by the chairman Paul Showalter. Those participating in the meeting:

Paul Showalter, Chair
Eitan Agai
Duff Johnson
Cherie Ekholm
Leonard Rosenthol
Nora Calvillo
Jim King
Mark Gavin
Dave McAllister
Dennis Newman
Ebony Downtin
Betsy Fanning

2. Approval of Draft Agenda, June 2, 2008

The agenda for the June 2, 2008 meeting (PDF-R 2008-002) was approved as presented. (Cohen/Gavin)

3. Approval of Draft Meeting Minutes, January 7-8, 2008

The draft meeting minutes of the January 7-8, 2008 meeting will be balloted for approval. AIIM Staff to issue the ballot.

4. Review of Status on ISO 32000-1

ISO 32000-1 is currently in the proof copy stage prior to publishing. We do not have a date as to when the published version will be available to the public. The document will be up for review on its third (3rd) anniversary of publication. Committee members will receive a copy of the standard for review purposes and for working on the next version of the standard.

5. Review of Orlando Meeting – January 2008

Paul Showalter summarized the Orlando meetings for the committee. The committee expressed appreciation to Jim King and others for addressing the comments and issues that were raised in the DIS ballot. It was especially good to see the patience that was evident in dealing with the French. Jim King thanked the committee for the assistance they provided to him when he needed it. In general, the meeting was a good meeting.

6. Discussion of ISO 32000-2 Features

The committee reviewed the feature proposals and discussed each. Committee members are encouraged to continue to add to the feature requests to provide more details. It is helpful if exact wording that will appear in ISO 32000-2 is provided with each feature recommendation. Additional remarks should be added to Description. The Key Name field should include the Request Title. We need to have a mapping between the tag and the element. Betsy Fanning and Duff Johnson are to work on edits to the draft.

The committee agreed to submit additional tags for EM, Strong, Subscript, Superscript, Multimedia, and Continued List.

The US agrees to submit the new tags to MathML, Language Direction and Target.

For Annotation Types, we need to determine if this is a string or what type of value it is. Additional details are needed for this item.

During the next meeting, the committee needs to focus on annotations, language and target.

Scope and header attributes of Tables – The committee agreed that these items may be better to be included in the Application Notes prior to being included as normative text in the standard.

Language-less documents – ISO 639 provides the official designation/abbreviations of languages and country codes.

Artifacts – Adobe has a proposal for handling Bates Number that is a slightly different implementation that will be discussed with the PDF/UA committee.

PageNum – committee agreed to propose this item.

Unicode – The wiki item has been updated by Microsoft. The committee discussed the connection with OCR which was raised by the German contact. It was requested to use Unicode natively rather than mapping. A proposal needs to be firmed up to more specifically define what is needed. It may be good to have the title better reflect the direction of the decision.

It was noted that Adobe announced the release of Acrobat 9 which included extensions to ISO 32000-1. Adobe will be submitting a detailed document with numerous features to be discussed for including in Part 2. The following is an overview of the features being proposed:

- BatesNum artefact
- Engineering enhancements (from PDF/E committee) that improve GIS in 2D and 3D data
- Improvements in measurement markup and handling in 2D and 3D
- Print scaling improvements for handling and give mechanism to lock down the scaling

- New encryption algorithm that is more secure as the current algorithm in PDF 1.6 and 1.7 is not secure. The new encryption will use SHA1.
- Adopt full support of passcodes and words for Unicode. Currently cannot use Roman characters but with this change Roman characters will be able to be used.
- Extension to digital signature seed values to better identify what can and cannot be done
- Lock down – this is a new feature that will allow the user to lock down parts of the document. This is particularly useful with certificate documents.
- Documented feature in Acrobat that is not in PDF will be added as extensions to ISO 32000-1 such as Bar Code Form Field to explain how to use.
- Portable collections or packages – this feature will enable pre-rendered thumbnail for the files which will provide a file hierarchy rather than the flat list that is currently provided. The folder list will include all data.
- Feature to introduce the integration of Flash technology as a native type in PDF. This is used with portable collections as a user interface over collections. It will allow for optional embedding and will allow any conforming reader to use and render the documents using embedded business rules.
- Embedding movie, sound, animation, etc in a PDF file since there is no standard renderer. Flash as a native type in PDF is used with the rich media as a standard method for animation, sound, etc and provides opportunities to improve 3D.

It was noted that a year ago, in order for a PDF developer to use Flash they had to agree to restrictions with the development of Flash renderer. Now the specification can be downloaded just as the PDF specification could be and product can be produced without restriction.

ISO 16612, PDF/VT (Variable Transaction Printing) committee will be submitting two proposals that relate to OutputIntent and a new area for page groupings.

The committee discussed ETSI involvement. ETSI establishes cell phone standards for Europe and has been developing digital signature standards. They would like to have their work supported in PDF for CATES and ZATES. They have different levels of digital signature standards of which some of the moderate ones may fit well within PDF. Work is continuing on digital signatures.

The feature hyperlinking recommended by Bentley needs additional information especially specific wording to be included in ISO 32000-2.

Root level dictionary – root level elements need continual updating or maintenance. This recommendation needs additional discussion.

Clarification of resource inheritance when rendering needs additional details. It may have already been addressed in 32000-1. Acrobat only transverses up the chain so far for forms. Fonts are most important to be considered so do not need to transverse the full document.

Associate Annotations needs additional details.

Committee members are reminded that proposals need to be drafted as edits to the standard.

7. Wrap-up

Recommendations for Part 2 features should be posted to the wiki by June 30.

The next conference call meeting will be on July 15, 2008 from 11 a.m. – 1 p.m. Eastern.

The Application Notes subcommittee comprised of Duff Johnson, Mark Gavin, Leonard Rosenthol, Jim King, Neil Soiffer, Cherie Ekholm, and Dennis Newman will meet on June 18 from 3:30 p.m. – 5 p.m. Eastern.

8. Adjournment

The June 2, 2008 meeting was adjourned at 1:05 p.m. (King/Newman)