

**Draft Meeting Minutes
November 13-14, 2007
Adobe Systems Inc.
San Jose, CA**

The meeting was called to order by Paul Showalter, at 9:25 a.m. on November 13, 2007. The following participated in the meeting held on November 13 and 14, 2007:

Mary Abbott	NPES
Nora Calvillo	Adobe Systems
Ebony Dowtin (phone)	AIIM
Cherie Ekholm	Microsoft
Betsy Fanning	AIIM
Mark Gavin (phone)	Appligent
Duff Johnson	Document Solutions
John lobst	NAA
Dave McAllister	Adobe Systems
Dave McDowell	NPES
Jim King	Adobe Systems
Dennis Newman	PFD Corporation
Leonard Rosenthol	Adobe Systems
Paul Showalter	IRS
Jo Terri Wright	Bentley

The agenda for the November 13 and 14, 2007 meeting was approved with modification of using the 9 a.m. to 11:45 a.m. time on November 14, 2007 to discuss part 2 of the standard. (McDowell/King)

The meeting minutes of the September 6, 2007 meeting were approved as presented. (Rosenthol/Newman)

The committee discussed the comments received. Please see the attached document for summary of the comments as discussed.

John lobst and Leonard Rosenthol recommended that the requirements of 7.4.1 could be left in the standard for the next release as they impact a small number of files. The change is a new restriction that has low impact.

4.39 – The committee agreed to use all caps for denoting Unicode characters throughout the document. (Rosenthol/lobst)

The committee discussed message digest that was introduced some time ago but decided it did not work so it was removed from the ISO draft. There was a piece that was missed and was pointed out in the comments in 12.8.1.

The committee discussed proposing freedom from CMYK as this concept needs more thought it will not be proposed at the meeting in Orlando.

The US delegation to the International meeting discussing ISO/DIS 32000 will consist of:

- Mary Abbott
- Nora Calvillo

- Ebony Dowtin
- Cherie Ekholm
- Betsy Fanning
- Duff Johnson
- John Iobst
- Dave McAllister
- Dave McDowell
- Jim King
- Dennis Newman
- Leonard Rosenthol
- Paul Showalter
- Jo Terri Wright

The US spokesperson for the meeting will be Paul Showalter and Duff Johnson.

There will be a US caucus meeting on Sunday at 3 p.m. to 5 p.m.

The committee discussed the intent to have an Adobe extension to ISO 32000 to be made available after ISO 32000 is published but before part 2 is published.

Discussion items for Part 2:

- The levels of data were discussed. While it would be desirable to have a label for extraneous data, it may not be suitable for the standard. It was noted that more information is being added to PDF to address forms that is neither presentation content nor metadata. Use cases for data types include Geospatial information accompanying maps, formulas accompanying a spreadsheet, and form-field properties.
- The committee discussed the need to have an ability to carry DeviceLinks profiles as extensions of OutputIntent. This would make the PDF files less device independent.
- The committee discussed file provenance and audit trails and the need for standardized metadata format for inclusion of document processing history. XMP's mmHistory can handle this but more definition is still needed.
- It was noted that extensions to the PDF language are needed to handle 2D and 3D images.
- Support for XML documents and archivability in context is another feature to be discussed for Part 2 and would be helpful for the newspaper industry.
- Would like to carry XML schemas into the PDF workflow
- Use of native Unicode in page content stream
- Better facility to render non-Latin characters
- Development of non-Roman text based documents and complex script languages
- Root-level dictionary of all used resources
- Central repository to find all resources within a file
- Simplicity of document post processing
- Clarification of resource inheritance when rendering (needs more discussion)

The committee agreed to meet again the week of January 7 to review the comments from the other member countries and form US positions for the Orlando meeting.

The November 13-14, 2007 meeting was adjourned at 5 p.m. on November 14. (Newman/Wright)

1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
US	Normative references	4 th reference	ed	Need better reference for ASCII coding.	<u>Delete the reference to ISO/IEC 646 and replace with, "ANSI X3.4-1986, Information Systems – Coded Sets 7-Bit American National Standard Code for Information Interchange (7-bit ASCII)"</u>	Accepted as changed
US	Normative references -- other	15 th reference in other	ed	Drop the word "Draft" since Adobe has updated this to non-draft status (XML Forms Data Format Specification)	XML Form Data Format (XFDF) Specification, version 2.0 Adobe Systems Incorporated.	accepted
US	Normative references	add to list	ed	Missing reference to TIFF	<u>TIFF Revision 6.0 Final, Adobe Systems Incorporated, June 3, 1992, http://partners.adobe.com/public/developer/en/tiff/TIFF6.pdf</u>	accepted as changed
	<u>Normative references</u>	<u>add to list</u>	<u>ed</u>	<u>Add reference for PDF/X (all parts)</u>	<u>ISO 15930, Graphic Technology-Prepress digital data exchange using PDF (all parts)</u>	<u>Accept</u>

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² Type of comment: ge = general te = technical ed = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

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	<u>Normative references</u>	<u>add to list</u>	<u>ed</u>	<u>Add reference for PDF/A (all parts)</u>	<u>ISO 19005, Document management-Electronic document file format for long-term preservation (all parts)</u>	<u>Accept</u>
	<u>Normative references</u>	<u>add to list</u>	<u>ed</u>	<u>Add reference for PDF/E (all parts)</u>	<u>ISO 24517, Document management-Engineering document format using PDF (all parts)</u>	<u>Accept</u>
US	4.3	ASCII definition	ed	Give more precise definition of ASCII.	Append this to the current sentence: , defined in ANSI X3.4-1986	Erase parenthetical expression Search and eliminate ISO/IEC 646
US	4.8	character definition	ed	completely replace with improved definition	numeric code representing an abstract symbol according to some defined character encoding rule. <u>Note:</u> There are three manifestations of characters in PDF, depending on context: -- A PDF file is represented as a	<u>Definition must be a phrase?</u> <u>Accept as changed</u>

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					<p>sequence of 8-bit bytes, some of which are interpreted as character codes in the ASCII character set and some of which are treated as arbitrary binary data depending upon the context.</p> <p>-- The contents (data) of a string or stream object in some contexts are interpreted as character codes in the PDFDocEncoding or UTF-16 character set.</p> <p>-- The contents of a string within a PDF content stream in some situations are interpreted as character codes that select glyphs to be drawn on the page according to a character encoding that is associated with the text font.</p>	
US	4.9	character set definition	ed	delete word byte since some characters are multiple bytes	delete the word "byte"	<u>Accepted</u>

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US	Between 4.18 and 4.19	insert new definition	ed	add definition for "FDF file"	file conforming to the Forms Data Format containing form data or annotations that may be imported into a PDF file (see 12.7.7)	<u>Accept as changed</u>
US	<u>4.39</u>	<u>space character definition</u>	<u>ed</u>	<u>Some confusion between difference space characters and usage. Clarify.</u>	<u>"text string character used to represent orthographic white space in text strings:</u> <u>NOTE: space characters include HORIZONTAL TABULATION (U+0009), LINE FEED (U+000A), VERTICAL TABULATION (U+000B), FORM FEED (U+000C), CARRIAGE RETURN (U+000D), SPACE (U+0020), NOBREAK SPACE (U+00A0), EN SPACE (U+2002), EM SPACE (U+2003), FIGURE SPACE (U+2007), PUNCTUATION SPACE (U+2008), THIN SPACE (U+2009), HAIR SPACE</u>	<u>Accept</u>

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					<u>(U+200A), ZERO WIDTH SPACE (U+200B), and IDEOGRAPHIC SPACE (U+3000)</u> "	
	<u>all</u>		<u>ed</u>	<u>Notation not consistent with standard's usage.</u>	<u>Change all occurrences of the space character names (4.39) to upper case.</u>	<u>Accept</u>
US	4.43	white-space character definition	ed	White space characters and space characters are not the same thing. Clarify.	Replace this entry with: NULL (00h), HORIZONTAL TABULATION (09h), LINE FEED (0Ah), FORM FEED (0Ch), CARRIAGE RETURN (0Dh) or SPACE (20h) character (see Table 1 in clause 7.2.2, "Character set")	<u>Accept</u>
US	between 4.43 and 4.44	Insert new definition	ed	add definition for "XFDF file"	file conforming to the XML Forms Data Format 2.0 specification, which is an XML transliteration of Forms Data Format (FDF); see also "FDF file"	<u>Accept</u>

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US	5	first sentence	ed	Sentence not well formed	Add “words that denote” after “in bold sans serif font,”	Accept
US	5	Examples 1 & 2	ed	These examples are misleading and do not represent the true usage with the documents	Delete example 1 and 2.	Accept deletion Suggested inclusion: Look at PDF/X for good examples
US	5	Example 3	ed	This incorrectly talks about text strings in content streams.	In the paragraph before Example 3 change “Text string characters in content streams” to “Characters in text strings”	Accept
US	7.1	Last paragraph	ed	This should become an informative note	This should become an informative note. Make the following edits: Add at beginning of paragraph “Variants of”, first “is” should be “are”.	Accept
US	7.2.1	Second paragraph	ed	consistently use ASCII as terminology	change “ISO/IEC 646” to ANSI X3.4-1986”.	Accept

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US	7.2.1	Second paragraph	ed	give accurate reference at least at first use.	Add this sentence as the second sentence in paragraph 2: "For historical reasons, the character set defined in ANSI X3.4-1986 is hereafter referred to as ASCII."	<u>Reject</u>
US	7.2.1	second bulleted item	ed	Fix consistent ASCII terminology	Replace "using the character set defined in ISO/IEC 646" with "using the ASCII character set"	<u>Accept</u>
US	7.2.2	first paragraph	ed	clarify what "all places" means	replace "in all places" with "to all characters in the file"	<u>Accept</u>
	<u>Table 1</u>	<u>Name column</u>	<u>Ed</u>	<u>Change entries in name column to match white space definition.</u>		<u>Accept</u>
US	Table 1	paragraph below table 1	ed	clarify the position of the EOL marker	In the last sentence replace "that is the following token shall appear at the beginning of a line" with "that is, preceding a token that must appear at the beginning of a line"	<u>Accept</u>
	<u>7.3.4.2</u>	<u>last paragraph</u>	<u>ed</u>	<u>Paragraph is confusing</u>	<u>Replace paragraph with:</u>	<u>Accept</u>

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					<p><u>Since any 8-bit value may appear in a string (with proper escaping for backslash and unbalanced parenthesis) this \ddd notation provides a way to specify characters outside the ASCII character set by using ASCII characters only. However, any 8-bit value may appear in a string, represented either as itself or with the \ddd notation described.</u></p> <p><u>When a document is encrypted (see 7.6, "Encryption"), all of its strings are encrypted; the encrypted string values contain arbitrary 8-bit values. When writing encrypted strings using the literal string form, the conforming writer shall follow the rules described. That is, the backslash character shall be used as an escape to specify</u></p>	

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					<u>unbalanced parentheses or the backslash character itself. The backslash may, but is not required, to be used to specify other, arbitrary 8-bit values.</u>	
	<u>7.3.5</u>	<u>Note 2</u>	<u>Ed</u>	<u>This is normative.</u>	<u>Remove designation of NOTE</u>	<u>Accept</u>
US	7.3.5	Note 5	ed	Names should be typeset in bold	Make “ Type ” and “ FullScreen ” bold	<u>Accept</u>
US	7.3.7	First paragraph	ed	Define “absent entry”	In <u>5th</u> sentence replace “equivalent to <u>an</u> absent entry” with ‘treated the same as if the entry does not exist’	<u>Accept with changes</u>
US	7.3.8.1	paragraph after Example	ed	Clarify exactly which bytes are considered to be the stream bytes.	In the 3 rd sentence change “between the stream ” to “between the end of line marker following the stream <u>keyword</u> ” <u>Change next keywords to keyword</u>	<u>Accept with edit.</u>
US	7.3.8.2	Table 4	<u>ed</u>	<u>Clarification of use of “F” key.</u>	Change the last sentence in the value entry for the F key to:	<u>Accept</u>

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					The filters that are applied to the file data shall be specified by FFilter and the filter parameters shall be specified by FDecodeParms .	
US	7.4.1	1 st bullet after Example 2	te	ASCII filters may be used in encrypted files.	Delete the second sentence in the first bullet.	Accept
US	7.4.1	After 2 nd bullet after Example 2	ed	add informative note to help clarify previous correction.	Add a second note just before the existing one. “NOTE: ASCII filters server no useful purpose in a PDF file that is encrypted; see 7.6 Encryption.”	Accept
US	7.4.4.4	Note 1	ed	Make reference to TIFF more specific	Insert “6.0” after first “TIFF”	Accept
US	7.4.10	Last paragraph	ed	Normative wording not used in second to last sentence.	Change “the security handler decrypts the stream” to “the security handler shall decrypt the stream”	Accept

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US	7.5.3	2 nd sentence	ed	Strange wording. Looks like FrameMaker usage error.	<u>Replace the second sentence with “The objects, which are of the types described in 7.3. Objects represent components of the document such as fonts, pages, and sampled images.”</u>	<u>Accept</u>
US	7.5.5	3 rd sentence	<u>ed</u>	Bytes can follow the %%EOF.	Delete <u>4th</u> sentence in first paragraph. No bytes and no EOL ...	<u>Accept</u>
US	7.5.5	Table 14	ed	typo in value entry for ID key in Table 14	change “encrypt Encrypt” to “Encrypt”.	<u>Accept</u>
US	7.5.5	Table 14	ed	Clumsy wording in Note 1 of ID entry in Table 14	Change first word of Note 1 in ID value entry in Table 14 from “As” to “Because”	<u>Accept</u>
	<u>7.5.6</u>	<u>Note 1, second paragraph</u>	<u>ed</u>	<u>First sentence of second paragraph of NOTE 1 seems meaningless</u>	<u>Remove 1st two sentences.</u> <u>Remove “However,” at the beginning of the 3rd sentence.</u> <u>Remove “in this manner” at the end of the third sentence.</u>	<u>Accept</u>
US	7.5.6	Note 1, <u>last</u>	ed	Wording is <u>confusing</u> regarding the	<u>Delete the third paragraph in</u>	<u>Accept</u>

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Deleted: In the last sentence in Note 1 change “all changes made to the document may be saved” to “all changes made to the document should be saved”

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S		<u>paragraph</u>		need to do incremental updates after a document has been signed	<u>this note.</u>	
	<u>7.5.7</u>	<u>Just above note 8</u>	<u>Ed</u>	<u>“First” in the last sentence of that paragraph should be bold since it is a key</u>	<u>Make “First” bold.</u>	<u>Accept</u>
	<u>7.5.7</u>	<u>Note 8</u>	<u>Ed</u>	<u>Note 8 conflicts with normative material above it.</u>	<u>Delete Note 8</u>	<u>Accept</u>
	<u>All</u>		<u>ed</u>	<u>Confusion between meta-comments and PDF-comment in PDF examples</u>	<u>In all examples of PDF, find a way to distinguish meta-comments from PDF comments.</u>	<u>Accept</u>
U S	7.5.7	Example 3	ed	Need meta comment about commented examples. Occurs later but needed here earlier.	<u>Make two columns. Left PDF, right meta comments.</u>	<u>Withdrawn</u>
U S	7.5.7	Example 4	ed	Need meta comment about commented examples. Occurs later but needed here earlier.	After the second paragraph of Example 4 add the following sentences: “In this example and several subsequent examples, comments appear in the cross-reference stream. This is only for the purpose of explanation; PDF comments are not	<u>Withdrawn</u>

Deleted: After the first sentence add the following sentences: “In this example and several subsequent examples, comments appear in the cross-reference table. This is only for the purpose of explanation; PDF comments are not permitted in a cross-reference table, which must obey a rigid format as described in 7.5.4, “Cross-Reference Table.”

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					permitted in a cross-reference stream, which is pure data, not PDF lexical tokens.	
US	7.5.8.4	1 st bullet after Example 2	ed	The meta comment about comments in examples has been moved earlier by previous edits. Delete it here.	Delete second sentence in first bullet after Example 2. Sentence reads: "Also, the comments shown in the cross-reference ..."	<u>Accept</u>
US	7.6.1	first paragraph	ed	This paragraph is difficult to understand.	Replace the paragraph with the following: "A PDF document can be <i>encrypted (PDF 1.1)</i> to protect its contents from unauthorized access. Encryption applies to all strings and streams in the document's PDF file, with the following exceptions: * The values for the ID entry in the trailer * Any strings in an Encrypt dictionary * Any strings that are inside streams such as content	<u>Accept</u>

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					streams and compressed object streams, which themselves are encrypted Encryption is not applied to other object types such as integers and Boolean values, which are used primarily to convey information about the document's structure rather than its contents. Leaving these values unencrypted allows random access to the objects within a document, whereas encrypting the strings and streams protects the document's contents.	
US	7.6.3.1	1 st bullet item in second bulleted list	ed	Parenthetical phrase confuses the explanation. Remove it.	Remove the parenthetical phrase from the 1 st sentence in the 1 st bullet of the second bulleted list. Delete: "(assuming it is not the same as the user password)"	<u>Accept</u>

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US	7.6.3.1	2 nd paragraph above Note 2	ed	Poor sentence structure in second sentence of this paragraph.	Change: “ all document content is encrypted and DefEmbeddedFile when file” to “all document content is encrypted and <u>shall use</u> crypt filters named DefEmbeddedFile when file”	<u>Accept</u>
	<u>7.6.3.1</u>	<u>2nd paragraph above NOTE 2</u>	<u>Ed</u>	<u>“distinction of names” is poor phrase in last sentence</u>	<u>Change “This distinction of names shall” to “This nomenclature shall”</u>	<u>Accept</u>
	<u>7.6.3</u>	<u>all</u>	<u>ed</u>		<u>Add “security handler’s” before the word “revision”</u>	<u>Accept</u>
	<u>7.6.3.4</u>		<u>Ed</u>	<u>Duplicate list types in one clause</u>	<u>Put each algorithm into its own sub-sub-clause (e.g., 7.6.3.4.x)</u>	<u>Accept</u>
US	7.6.4.2	Table 22	te	R key in this table should be deleted. Was introduced in ill-defined way in earlier Acrobat products and subsequently eliminated.	Delete the complete row representing the R key.	<u>Accept</u>
	<u>7.6.4.2</u>	<u>Table 22</u>	<u>ed</u>	<u>“(Required)” not italic</u>	<u>Make “(Required)” italic.</u>	<u>Accept</u>
US	7.6.5	NOTE	ed	This is normative.	Change from informative	<u>Accept</u>

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NOTE Columns 1, 2, 4, 5 are compulsory.

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S					notation to normative notation. (Remove NOTE annotation)	
US	7.8.2	Table 31	ed	The last sentence in the value entry for the EX key is wrong. BX / EX enclosed material is not ignored or disregarded. It just doesn't generate any errors if not recognized.	<u>Under the description for EX change the word "Discard" to "Ignore" and add the word "unrecognized" in front of "operands" in the second sentence.</u>	<u>Accept</u>
US	7.8.3	3 rd bullet after Example 1	ed	Improve wording about use of resource dictionary inheritance rules.	Replace the current 3 rd bullet item: "• A form XObject or a Type 3 font's glyph description may omit the Resources entry, in which case resources shall be permitted but not recommended in the Resources entry of the page on which the form or font is used." with "• <u>The Resources entry may be omitted in all form XObjects and Type 3 fonts used on a page. All resources that are referenced from those forms and fonts shall</u>	<u>Accept</u>

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					be defined in the Resources dictionary of the page on which they are used. This construct is <u>obsolete</u> and should not be used by conforming writers.”	
	<u>7.9.2</u>	<u>Title</u>	<u>Ed</u>	<u>“String types” seems incomplete</u>	<u>Change to: “String Object Types”</u>	<u>Accept</u>
US	7.9.2.1	First paragraph	ed	Poorly worded introduction to the accurate material following.	Change the <u>first and second sentences to</u> : “PDF supports one fundamental string <u>object</u> (see 7.3.4, “String Objects”). <u>This string object</u> is further qualified as a text string, a PDFEncoded string, ASCII string or byte string.”	<u>Accept</u>
	<u>7.9.2.1</u>	<u>Second paragraph</u>	<u>Ed</u>	<u>Confusion between “types” and “true types”</u>	<u>Replace paragraph 2 entirely with: “Table 34 summarizes the string object types that represent data encoded using specific conventions.”</u>	<u>Accept</u>
	<u>7.9.2.1</u>	<u>Second paragraph</u>	<u>Ed</u>	<u>Confusion between “string types” and “string objects” and serializations of strings</u>		<u>Defer to 32000-2</u>

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	<u>7.9.2.1</u>	<u>Table 34, title</u>	<u>Ed</u>	<u>String types is incomplete</u>	<u>Change to: "String object types"</u>	<u>Accept</u>
US	8.5.3.3.1	After 3 rd paragraph	ed	Add link to scan conversion details provided later.	Add this sentence to the third paragraph: "For more detailed information, see 10.6.4. "Scan Conversion Rules".	<u>Accept</u>
	<u>8.6.5.5</u>	<u>2nd bullet in list after table 65</u>	<u>Ed</u>	<u>A PDF .17 conforming writer should use ICC. 1:2004-10.</u>	<u>Delete this second bullet (bullet 4 below says it better)</u>	<u>Accept</u>
US	8.6.5.5	3 rd and 4 th bullets in list after table 65	<u>ed</u>	Wording is wrong about use of Alternate colour spaces.	<p>Replace the 3rd bullet item with: "A conforming reader shall always process an embedded <u>ICC profile according to the corresponding version of the PDF being processed</u> as shown in table 65 above; it shall not substitute the Alternate colour space in these cases."</p> <p>Replace the 4th bullet item with: "A conforming writer <u>should use ICC 1:2004-10 profiles. It may embed profiles conforming to a later ICC version.</u> The</p>	<u>Accept</u>

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					conforming reader should process such profiles according to table 65 ; if that is not possible, it shall substitute the Alternate colour space.”	
US	8.9.6.4	Sentence just above Note 2	ed	Stricter wording for use of DCTDecode than needed. Bad wording in addition.	Change this sentence to read: “When colour key masking is specified, the use of a DCTDecode filter for the stream can produce unexpected results .”	Accept
US	9.2.3	Paragraph above Example 2	ed	Sentence not well formed.	Change: “Only a subset of the possible rendering modes to Type 3 fonts.” to “Only a subset of the possible rendering modes are applicable to Type 3 fonts.”	Accept
US	9.3.3	First sentence	ed	Introduce consistent notation for space characters in different contexts.	Replace “space character, code 32.” At the end of the first sentence with “ASCII SPACE character code 32 (20h).”	Accept
US	9.3.6	Last sentence of section	ed	Introduce consistent notation for space characters in different contexts.	Replace “space characters),” near the end of the last sentence with “ ASCII SPACE ”	Accept

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					<u>character code 32 (20h)."</u>	
	<u>9.6.3</u>	<u>4th bullet</u>	<u>Ed</u>	<u>Bad wording: "is shall be"</u>	<u>Change "is" to "it"</u>	<u>Accept</u>
US	11.4.4	NOTE 3	ed	In the first line the a should be the alpha symbol, and the f is in the wrong font.	Change "C, f, and a," to "C, f, and α ,"	<u>Accept</u>
US	11.4.4	NOTE 3	ed	In the last line the subscripted f should be a subscripted phi. The subscript is OK.	Change "where f_b is" to "where ϕ_b is"	<u>Accept</u>
US	12.7.1	Paragraph after NOTE 1	ed	Terminology confusion about terminal fields and children. Needs better wording to match accurate information in tables below.	Replace the last sentence in paragraph with: "A field that has children that are fields is called a nonterminal field. A field that does not have children that are fields is called a terminal field." Add at the beginning of the next paragraph: "A terminal field may have children that are widget annotations (see 12.5.6.19, Widget Annotations) that define its appearance on the page."	<u>Accept</u>
U	12.7.3.	Paragraph after	ed	Need to make clear that no period	Add the following sentence as	<u>Accept</u>

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	§ 2	Example		is used in a partial name.	the first in the paragraph following the Example: “Because the period <u>(U+0047)</u> is used as a separator for fully qualified names, a partial name shall not contain a period.	
	<u>All</u>		<u>Ed</u>	<u>Terms used to describe symbols are not clearly defined.</u>	<u>In the appropriate cases, identify the symbol used with their Unicode or ASCII code (e.g. period as (U+0047)).</u>	<u>Accept</u>
U	12.7.4.	Table 232	ed	Naming types of signatures needs to be more consistent.	In the value of the MDP key replace “a document (non-author) signature” with “an approval signature”. In the value of the MDP key replace “used for author signatures” with “used for certification signatures”	<u>Accept</u>
§	<u>5</u>					
	<u>12.7.4.</u>	<u>Table 232</u>	<u>Ed</u>	<u>MDP key: last sentence in description is not clear</u>	<u>Change: “If this entry is not present or does not contain a P” to “If this MDP key is not present or the MDP dictionary does not</u>	<u>Accept</u>
	<u>5</u>					

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					<u>contain a P</u>	
US	12.7.5.	Table 235	ed	Clarify use of terms <u>s</u> space character <u>and "dot"</u> in Meaning for flag 5 in the second paragraph.	Insert "ASCII" in front of "space character (20h)". <u>Replace "dot" with "period (2Fh).</u>	<u>Accept</u>
US	12.7.7. 3.1	Table 240	ed	<u>This material was removed from PDF 1.7 by the PDF 1.7 errata.</u>	Completely remove the row defining the Sig key.	<u>Accept</u>
US	12.8.1	4 th paragraph	ed	<u>This material was removed from PDF 1.7 by the PDF 1.7 errata.</u>	Change the phrase "reproducible digest" in the sentence introducing the bulleted list to the phrase "digital signature".	<u>Accept</u>
US	12.8.1	4 th paragraph	ed	<u>This material was removed from PDF 1.7 by the PDF 1.7 errata.</u>	Change the first sentence in the second bullet of the bulleted list to: "Additionally, modification detection may be specified by a <i>signature reference dictionary</i> ."	<u>Accept</u>
US	12.8.1	5 th paragraph	ed	Move to consistent terminology for signature types.	In the first bullet item just above NOTE 1 change the phrase "One or more document signatures" to "One or more approval signatures".	<u>Accept</u>

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US	12.8.1	bullet after NOTE 1	ed	Move to consistent terminology for signature types.	In the bullet item just below NOTE 1 change the phrase “At most one MDP (modification and detection and prevention) signature” to “At most one certification signature”. In the next sentence change “an MDP signature” to “a certification signature”	Accept
US	12.8.1	Between bullets after NOTE 1	ed	Move to consistent terminology for signature types.	In the sentence between the first two bullets after NOTE 1 change “A signature dictionary for an MDP or document signature” to “A signature dictionary for a certification or approval signature”.	Accept
US	12.8.1	bullet item just above table 250	ed	This material was removed from PDF 1.7 by the PDF 1.7 errata.	Delete this complete bullet item which starts: “The Sig entry in the ...”	Accept
US	12.8.1	Table 251	ed	This material was removed from PDF 1.7 by the PDF 1.7 errata.	In the value entry for the TransformMethod key remove the complete paragraph defining	Accept

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					<p>the last value Identity.</p> <p>Remove the phrase “except Identity” in second sentence in the value description entry for the key TransformParams.</p> <p>Remove the phrase “or Identity”, the phrase “over which the digest was computed or” and the phrase “and Identity” in the value description entry for the key Data.</p> <p>After these edits the resulting entry for Data value should now read: “(Required when TransformMethod is FieldMDP) An indirect reference to the object in the document upon which the object modification analysis should be performed. For methods other than FieldMDP this object is implicitly defined.”</p>	

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					Remove the complete row defining the DigestMethod key.	
U S	12.8.2. 2.1	NOTE	ed	Move to consistent terminology for signature types.	Change: “Such signatures enable” <u>to: “Certification signatures that use the DocMDP transform method enable”</u>	<u>Accept</u>
U S	12.8.2. 2.1	1 st Paragraph after NOTE	ed	Move to consistent terminology for signature types.	Change: “A document signature should have” <u>To: “A certification signature should have”</u>	<u>Accept</u>
U S	12.8.2. 2.2	Section heading	ed	Move to consistent terminology for signature types.	Change the title of this section to: “Validating Signatures That Use the DocMDP Transform Method”	<u>Accept</u>
U S	12.8.2. 2.2	First sentence	ed	Move to consistent terminology for signature types.	Change the first sentence to: “To validate a signature that uses the DocMDP transform method a conforming reader shall first verify the byte range digest.” Begin the next sentence with:	<u>Accept</u>

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					“Next, it shall verify ...”	
U S	12.8.2. 3	1 st paragraph after Example	ed	<u>Error</u> in using ISO wording (shall).	In the paragraph that starts with: “UR3” change “verifies” to “shall verify” in the second sentence. In the 3 rd (last) sentence change “examines” to “shall examine”.	<u>Accept</u>
U S	12.8.2. 4	1 st bullet item after Table 254	ed	Move to consistent terminology for signature types.	Change “author’s signature.” at the end of the first sentence of the first bullet item to “approval or certification signature.”	<u>Accept</u>
U S	12.8.2. 5	Complete section	ed	<u>This material was removed from PDF 1.7 by the PDF 1.7 errata.</u>	Remove this complete section.	<u>Accept</u>
U S	12.8.5	2 nd paragraph	ed	Move to consistent terminology for signature types.	In the second sentence change “author signatures” to “certification signatures”.	<u>Accept</u>
U S	12.8.5	3 rd paragraph	ed	Move to consistent terminology for signature types.	In the first sentence change “author signatures” to “certification signatures”.	<u>Accept</u>
	<u>12.9</u>	<u>Table 261</u>	<u>Ed</u>	<u>Make reference to comma more precise in RT key description.</u>	<u>Change “comma (,)” to “COMMA (2Ch)”</u>	<u>Accept</u>

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	<u>12.9</u>	<u>Table 261</u>	<u>Ed</u>	<u>Make reference to period more precise in RD key description.</u>	<u>Change "period (.)" to "PERIOD (2Fh)</u>	<u>Accept</u>
US	12.9	Table 261	ed	Clarify use of term space character in value for PS and SS keys.	In the Default value phrase for each key <u>change "space character (" ") to "ASCII SPACE character (20h)"</u>	<u>Accept</u>
US	14.7.5.3	2 nd paragraph	ed	Typo <u>in 3rd sentence.</u>	In the paragraph just above NOTE 1 change "an conforming" to "a conforming".	<u>Accept</u>
	<u>14.8.5.4.1</u>	<u>Paragraph just above Table 340</u>	<u>Ed</u>	<u>Using an "*" included as part of an attribute name in this table may confuse meta-information with the name. Find another way to indicate the inheritable names</u>	<u>Delete 1st sentence that mentions the use of "*" .</u>	<u>Accept</u>
US	14.8.5.4.1	Table 340	ed	Using an "*" included as part of an attribute name in this table may confuse meta-information with the name. Find another way to indicate the inheritable names.	Add another column to this table in which to put an inheritable <u>yes/no</u> instead of using the asterisk.	<u>Accept</u>
US	14.8.5.4.2	Table 341, BorderStyle	ed	<u>Last sentence talks</u> about conforming html applications. That is not within scope for this	The last sentence in the value entry for BorderStyle key should be made an informative	<u>Accept</u>

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		key		document. Make informative.	note. Starts with "Conforming HTML applications ..."	
U S	14.8.5. 4.4	Table 343	ed	<u>Unwanted</u> horizontal lines within LineHeight , RubyAlign and GlyphOrientationVertical table entry.	Remove horizontal lines within the LineHeight , RubyAlign and GlyphOrientationVertical entries of table.	<u>Accept</u>
U S	14.8.5. 5	First sentence	ed	Referring to "The" ListNumbering attribute makes it seem to be required which it is not.	Change the beginning of the first sentence to read: "If present, the ListNumbering attribute, described in ..." .	<u>Accept</u>
U S	14.9.3	1 st sentence after the bulleted list	ed	Wording does not make meaning clear.	Change the first sentence from: "For annotation types that normally display text, that text (specified in the Contents entry of the annotation dictionary) shall be used as the source for an alternate description." to "For annotation types that normally display text, the Contents entry of the annotation shall be used as the source for the textual description."	<u>Accept</u>

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U S	14.11. 5	2 nd sentence of NOTE 1	ed	Clumsy wording of recognized format standard and other wording problems.	In the 2 nd sentence of NOTE 1 change “recognized format standard” to “recognized standard”. On that same line change “custom extensions” to “the PDF/A standard”	<u>Accept</u>
U S	14.11. 5	Table 363 and introductory paragraph	ed	Additional subtypes have been defined. Update.	Replace the first sentence in the paragraph after NOTE 1 and immediately above Table 363 with: “At the time of publication, three output intent subtypes have been defined: GTS_PDFX corresponding to the PDF/X standard specified in ISO 15930, GTS_PDFA1 corresponding to the PDF/A standard as defined by ISO 19005, and ISO_PDFE1 corresponding to the PDF/E standard as defined by ISO 24517.”	<u>Accept</u>

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					The S key value entry should become: "(Required) The output intent subtype; shall be either GTS_PDFX , GTS_PDFA1 or ISO_PDFE1 ."	

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space character definition	ed	Some confusion between difference space characters and usage. Clarify.	Replace the first phrase of the definition with: "text string character used to represent orthographic white space in text string;" Leave the following material that starts with "space characters include HORIZONTAL ... "	Repla above
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ast paragraph	ed	use ASCII consistently	Replace "7-bit ISO/IEC 646" with "ASCII"	
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