



# INTERNATIONAL STANDARD ISO 19005-1:2005 TECHNICAL CORRIGENDUM 1

Published 2007-04-01

Corrected version 2005-12-01

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

## Document management — Electronic document file format for long-term preservation —

### Part 1: Use of PDF 1.4 (PDF/A-1)

#### TECHNICAL CORRIGENDUM 1

*Gestion de documents — Format de fichier des documents électroniques pour une conservation à long terme —*

*Partie 1: Utilisation du PDF 1.4 (PDF/A-1)*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO 19005-1:2005 was prepared by Technical Committee ISO/TC 171, *Document management applications*, Subcommittee SC 2, *Application issues*. It contains corrections concerning the mapping of PDF's Subject and Keywords to XMP. The PDF/A specification has:

Subject => dc:Subject

Keywords => pdf:Keywords

This Technical Corrigendum gives the following solution to fix the mapping of Subject:

Subject => dc:description["x-default"]

Keywords => pdf:Keywords

The specific modifications necessary to the text are detailed below.



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## ISO 19005-1:2005/Cor.1:2007(E)

Page 11, Subclause 6.3.6

Replace the first sentence with the following:

“For every font embedded in a conforming file and used for rendering, the glyph width information stored in the **Widths** entry of the font dictionary and in the embedded font program shall be consistent.”

Page 14, Subclause 6.7.2

After Note 2, add the following new Note 3:

“NOTE 3 According to the W3C XML Namespace recommendation<sup>[18]</sup>, namespace prefixes are shortcuts to namespace URIs. No significance is given to the prefix itself. Conventional prefixes are used in this subclause for example purposes. Except where a specific prefix is identified as required (in 6.7.8 and 6.7.11), any prefix can be used.”

Replace Table 1 with the following:

**Table 1 — Crosswalk between document information dictionary and XMP properties**

Document information dictionary		XMP	
Entry	PDF type	Property	XMP type
<b>Title</b>	<i>text string</i>	<b>dc:title</b>	<i>Lang Alt</i>
<b>Author</b>	<i>text string</i>	<b>dc:creator</b>	<i>seq ProperName</i>
<b>Subject</b>	<i>text string</i>	<b>dc:description["x-default"]</b>	<i>Text</i>
<b>Keywords</b>	<i>text string</i>	<b>pdf:Keywords</b>	<i>Text</i>
<b>Creator</b>	<i>text string</i>	<b>xmp:CreatorTool</b>	<i>AgentName</i>
<b>Producer</b>	<i>text string</i>	<b>pdf:Producer</b>	<i>AgentName</i>
<b>CreationDate</b>	<i>date</i>	<b>xmp:CreateDate</b>	<i>Date</i>
<b>ModDate</b>	<i>date</i>	<b>xmp:ModifyDate</b>	<i>Date</i>
NOTE The XML namespace URI for the <b>dc</b> prefix is <a href="http://purl.org/dc/elements/1.1/">http://purl.org/dc/elements/1.1/</a> ; the namespace URI for the <b>pdf</b> prefix is <a href="http://ns.adobe.com/pdf/1.3/">http://ns.adobe.com/pdf/1.3/</a> ; and the namespace URI for the <b>xmp</b> prefix is <a href="http://ns.adobe.com/xap/1.0/">http://ns.adobe.com/xap/1.0/</a> .			

Page 16, Subclause 6.7.8

Replace Subclause 6.7.8 with the following:

### 6.7.8 Extension schemas

All extension schemas used in a conforming file shall have their descriptions embedded within that file in the metadata stream defined by 6.7.2. These descriptions shall be specified using the PDF/A extension schema container schema defined in this clause.

NOTE 1 An extension schema is any XMP schema that is not defined in *XMP Specification*.

The extension schema container schema defined in Table 2 uses the namespace URI <http://www.aiim.org/pdfa/ns/extension/>. The required schema namespace prefix is **pdfaExtension**.

**Table 2 — PDF/A extension schema container schema**

Property	Value type	Category	Description
<b>pdfaExtension:schemas</b>	bag Schema	Internal	Container for all embedded extension schema descriptions

The Schema type defined in Table 3 is an XMP structure containing the description of an extension schema. The field namespace URI is <http://www.aiim.org/pdfa/ns/schema#>. The required field namespace prefix is **pdfaSchema**.

**Table 3 — PDF/A schema value type**

Field name	Value type	Description
<b>pdfaSchema:schema</b>	Text	Optional description of schema
<b>pdfaSchema:namespaceURI</b>	URI	Schema namespace URI
<b>pdfaSchema:prefix</b>	Text	Preferred schema namespace prefix
<b>pdfaSchema:property</b>	seq Property	Description of schema properties
<b>pdfaSchema:valueType</b>	seq ValueType	Description of schema-specific value types

The **Property** type defined in Table 4 is an XMP structure containing the description of a schema property. The field namespace URI is <http://www.aiim.org/pdfa/ns/property#>. The required field namespace prefix is **pdfaProperty**.

**Table 4 — PDF/A Property value type**

Field name	Value type	Description
<b>pdfaProperty:name</b>	Text	Property name
<b>pdfaProperty:valueType</b>	Open Choice of Text	Value type of the property, drawn from <i>XMP Specification 4</i> , or an embedded PDF/A extension schema value type
<b>pdfaProperty:category</b>	Closed Choice of Text	Property category: <i>internal</i> or <i>external</i>
<b>pdfaProperty:description</b>	Text	Description of the property

The preferred values for **pdfaProperty:valueType** should be the non-deprecated property value types defined in *XMP Specification 2004*, 4. Array types shall be preceded by their container type: *alt*, *bag* or *seq*, separated from the base type by a single white-space character.

The **ValueType** type defined in Table 5 is an XMP structure containing the description of all property value types used by embedded extension schemas that are not defined in *XMP Specification 4*. The field namespace URI is <http://www.aiim.org/pdfa/ns/type#>. The required field namespace prefix is **pdfaType**.

**Table 5 — PDF/A ValueType value type**

Field name	Value type	Description
<b>pdfaType:type</b>	Text	Property value type name
<b>pdfaType:namespaceURI</b>	URI	Property value type field namespace URI
<b>pdfaType:prefix</b>	Text	Preferred value type field namespace prefix
<b>pdfaType:description</b>	Text	Description of the property value type
<b>pdfaType:field</b>	seq Field	Optional description of the structured fields

The **Field** type defined in Table 6 is an XMP structure containing the description of a property value type field. The field namespace URI is <http://www.aiim.org/pdfa/ns/field#>. The required field namespace prefix is **pdfaField**.

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**Table 6 — PDF/A Field value type**

Field name	Value type	Description
<b>pdfaField:name</b>	Text	Field name
<b>pdfaField:valueType</b>	Open Choice of Text	Field value type, drawn from <i>XMP Specification</i> 2004, 4, or an embedded PDF/A value type extension schema
<b>pdfaField:description</b>	Text	Field description

*Page 18, Subclause 6.7.10, first paragraph*

In the second sentence, replace

**“xmp:Title”**

with

**“dc:title”**

In the second sentence, replace

**“xmpRights:Copyright”**

with

**“dc:rights”**

*Page 18, Subclause 6.7.11*

In the first sentence of the second paragraph, replace the reference to Table 6 with Table 7 and add a slash mark “/” at the end of the namespace URI as follows:

<http://www.aiim.org/pdfa/ns/id/>

Renumber Table 6 as Table 7.