



INTERNATIONAL STANDARD ISO 19005-1:2005
TECHNICAL CORRIGENDUM 1

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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.

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^[18], 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
Title	<i>text string</i>	dc:title	<i>Lang Alt</i>
Author	<i>text string</i>	dc:creator	<i>seq ProperName</i>
Subject	<i>text string</i>	dc:description["x-default"]	<i>Text</i>
Keywords	<i>text string</i>	pdf:Keywords	<i>Text</i>
Creator	<i>text string</i>	xmp:CreatorTool	<i>AgentName</i>
Producer	<i>text string</i>	pdf:Producer	<i>AgentName</i>
CreationDate	<i>date</i>	xmp:CreateDate	<i>Date</i>
ModDate	<i>date</i>	xmp:ModifyDate	<i>Date</i>

NOTE The XML namespace URI for the **dc** prefix is <http://purl.org/dc/elements/1.1/>; the namespace URI for the **pdf** prefix is <http://ns.adobe.com/pdf/1.3/>; and the namespace URI for the **xmp** prefix is <http://ns.adobe.com/xap/1.0/>.

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
pdfaExtension:schemas	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
pdfaSchema:schema	Text	Optional description of schema
pdfaSchema:namespaceURI	URI	Schema namespace URI
pdfaSchema:prefix	Text	Preferred schema namespace prefix
pdfaSchema:property	seq Property	Description of schema properties
pdfaSchema:valueType	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
pdfaProperty:name	Text	Property name
pdfaProperty:valueType	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
pdfaProperty:category	Closed Choice of Text	Property category: <i>internal</i> or <i>external</i>
pdfaProperty:description	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
pdfaType:type	Text	Property value type name
pdfaType:namespaceURI	URI	Property value type field namespace URI
pdfaType:prefix	Text	Preferred value type field namespace prefix
pdfaType:description	Text	Description of the property value type
pdfaType:field	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**.