# ISO 16684-1:2019 (E)

## Graphic technology — Extensible metadata platform (XMP) — Part 1: Data model, serialization and core properties

## Contents


Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Notations

5 Conformance

5.1 General
5.2 Conforming readers
5.3 Conforming writers
5.4 Conforming products

6 Data model

6.1 XMP packets
6.2 XMP names
6.3 XMP value forms
6.3.1 General
6.3.2 Simple values
6.3.3 Structure values
6.3.4 Array values
6.4 Qualifiers

7 Serialization

7.1 General
7.2 Equivalent RDF and XML
7.3 Optional outer XML
7.3.1 General
7.3.2 XMP packet wrapper
7.3.3 x:xmpmeta element
7.4 rdf:RDF and rdf:Description elements
7.5 Simple valued XMP properties
7.6 Structure valued XMP properties
7.7 Array valued XMP properties
7.8 Qualifiers
7.9 Equivalent forms of RDF
7.9.1 General
7.9.2 Allowed equivalent RDF
7.9.2.1 Summary
7.9.2.2 rdf:Description with property attributes
7.9.2.3 rdf:parseType="Resource" attribute
7.9.2.4 Structure element with field attributes
7.9.2.5 RDF Typed Nodes
7.9.3 Prohibited equivalent RDF
7.9.3.1 Summary
7.9.3.2 Arrays not using Typed Node form
7.9.3.3 rdf:_n elements and attributes

8 Core properties

8.1 Overview
8.2 Core value types
8.2.1 Basic value types
8.2.1.1 Boolean
8.2.1.2 Date
8.2.1.3 Integer
8.2.1.4 Real
8.2.1.5 Text
8.2.2 Derived value types
8.2.2.1 AgentName
8.2.2.2 Choice
8.2.2.3 GUID
8.2.2.4 Language alternative
8.2.2.5 Locale
8.2.2.6 MIMEType
8.2.2.7 Rational
8.2.2.8 RenditionClass
8.2.2.9 ResourceRef
8.2.2.10 URI
8.2.2.11 URL
8.3 Dublin Core namespace
8.4 XMP namespace
8.5 XMP Rights Management namespace
8.6 XMP Media Management namespace
8.7 xmpidq namespace

Annex A (informative) Document and instance IDs

Annex B (informative) Implementation guidance

B.1 General
B.2 Escaping XML markup in values
B.3 Namespace URI termination
B.4 Case-neutral xml:lang values

Annex C (informative) RDF parsing information

C.1 General
C.2 Top-down parsing of RDF
C.2.1 Overview
C.2.2 Outermost element, rdf:RDF
C.2.3 Top-level and inner nodeElements
C.2.4 Attributes of a nodeElement
C.2.5 Content of a nodeElement
C.2.6 The resourcePropertyElt
C.2.7 The literalPropertyElt
C.2.8 The parseTypeLiteralPropertyElt
C.2.9 The parseTypeResourcePropertyElt
C.2.10 The parseTypeCollectionPropertyElt
C.2.11 The parseTypeOtherPropertyElt
C.2.12 The emptyPropertyElt

Page count: 49