
Information technology — Biometric data interchange formats —

Part 1: Framework

AMENDMENT 2: Framework for XML encoding

*Technologies de l'information — Formats d'échange de données
biométriques —*

Partie 1: Cadre

AMENDEMENT 2: Cadre pour le codage XML





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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, SC 37, *Biometrics*.

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Add the following normative references to Clause 2.

RFC 5141, *A Uniform Resource Name (URN) Namespace for the International Organization for Standardization (ISO)*

RFC 5234, *Augmented BNF for Syntax Specifications: ABNF*

XML Schema Part 0: Primer. W3C Recommendation, Second Edition, October 2004

Insert the following text in the appropriate alphabetical order to Clause 4.

ABNF Augmented BNF for Syntax Specifications

XML Extensible Markup Language

Replace the heading title of Clause 12 from “Coding scheme for format types” to “Binary encoding scheme for format types”.

Insert the following text at the end of 12.1.

The record formats may have a binary encoding and an XML encoding. The binary encoding shall follow the description in Clause 12 of this part of ISO/IEC 19794. The XML encoding shall follow the description in Clause 13 of this part of ISO/IEC 19794.

Insert the following clause after Clause 12.

13 XML encoding scheme for format types

13.1 General

13.1.1 Structure of XML Data Record

Each of the parts 2 through N of ISO/IEC 19794 may specify an XML data type and element names. The XML data type and element names shall be mapped to corresponding elements and data types in the binary format specified in the same part of ISO/IEC 19794, if any. The methodology and terms used for the XML encoding in the parts 2 through N of ISO/IEC 19794 shall conform to the description in this Clause. The syntax and semantics of XML schema used to describe biometric data interchange formats are defined in the XML Schema Part 0: Primer, W3C Recommendation, Second Edition, 28 October 2004.

All parts of ISO/IEC 19794 shall identify optional and mandatory elements — both for common and part-specific elements. An element is optional if the value of the [minOccurs](#) attribute is 0.