



**International
Standard**

ISO/IEC 19794-14

**Information technology —
Biometric data interchange
formats —**

**Part 14:
DNA data**

**AMENDMENT 1: Conformance
requirements**

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

Partie 14: Données ADN

AMENDEMENT 1: Exigences de conformité

**Second edition
2022-10**

**AMENDMENT 1
2025-03**



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

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 or www.iec.ch/members_experts/refdocs).

ISO and IEC draw attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO and IEC take no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO and IEC had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents and <https://patents.iec.ch>. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html. In the IEC, see www.iec.ch/understanding-standards.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 37, *Biometrics*.

A list of all parts in the ISO/IEC 19794 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

Information technology — Biometric data interchange formats —

Part 14: DNA data

AMENDMENT 1: Conformance requirements

Clause B.1

Add the following paragraph at the end of the clause:

The Biometric Conformance Test Software (BioCTS) is a freeware developed by the National Institute of Standards and Technology (NIST) to perform conformance tests for various parts of the ISO/IEC 19794 series. One of the supported International Standards is ISO/IEC 19794-14:2022. The software is available for download at <https://www.nist.gov/itl/csd/biometrics-resource-center/biometric-conformance-test-software-biocts/biocts-isoiec>.

B.2.2

Add the following text at the end of subclause B.2.2:

Within Table B.1, a differentiation between requirements and other provisions is indicated through the use of the prefixes "R-x" (requirements) and "P-x" (other provisions). Requirements are mandatory provisions, which are critical for ensuring compliance and are non-negotiable. Other provisions offer options or permissions rather than mandates, giving users discretion in certain situations.

Table B.1

Replace the table with the following:

Table B.1 — Summary of Level 1 and Level 2 requirements and options

Requirement/ Provision ID	Subclause reference	Requirement/Provision summary	Level	Status	IUT sup- port	Supported range	Test result
R-1	6.1	XML documents encoding DNA data shall validate against the XML schema definition in Clause A.1.	1	M			
P-2	6.3.1	A DNA data XML document (DnaData field) may contain a list of representations (Representations field).	1	O			
P-3	6.3.1	A DNA data XML document (DnaData field) may contain a list of pedigrees (Pedigrees field).	1	O			
R-4	6.3.2.2	In an XML document following this document, the version field shall contain major version 4 and minor revision 0.	2	M			
R-5	6.3.2.3	When communication direction is "Response", the transaction field shall contain a TransactionProcessingStatus field.	2	M			
R-6	6.3.2.3	When communication direction is "Response", the transaction field shall contain a TransactionProcessingMessage field.	2	M			
R-7	6.3.2.3	When communication direction is "Response", the transaction field shall contain a RespondingToRequestId field.	2	M			
P-8	6.3.2.4	A sending party of the DNA data XML document (SendingParty field) may contain an OrganizationCode field.	1	O			
P-9	6.3.2.4	A sending party of the DNA data XML document (SendingParty field) may contain an OrganizationPOCName field.	1	O			
P-10	6.3.2.4	A category of the sending or receiving party (PartyCategory field) may contain a UnitCategory field.	1	O			
P-11	6.3.2.4	A category of the sending or receiving party (PartyCategory field) may contain a UnitLocation field.	1	O			
P-12	6.3.2.5	A receiving party of the DNA data XML document (ReceivingParty field) may contain an OrganizationCode field.	1	O			
P-13	6.3.2.5	A receiving party of the DNA data XML document (ReceivingParty field) may contain an OrganizationPOCName field.	1	O			
R-14	6.3.3.1	When the communication direction is "Request", the representation shall contain a Request field.	2	M			
R-15	6.3.3.1	When the communication direction is "Response", the representation shall contain a Response field.	2	M			
P-16	6.3.3.1	A DNA data representation (Representation field) may contain a CaseUr- gencyIndicator field.	1	O			
P-17	6.3.3.1	A DNA data representation (Representation field) may contain a Supple- mentaryMessage field.	1	O			