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2022-XX-XX/2023-02

Information technology
Cross-jurisdictional and societal aspects of implementation of biometric
technologies — Biometrics and elderly people

*Technologies de l'information —
Aspects interjuridictionnel et sociétaux et
transjuridictionnels de la mise en œuvre des technologies
biométriques — Biométrie et personnes âgées*



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Foreword

ISO (the International Organization for Standardization) ~~is a~~ and IEC (the International Electrotechnical Commission) ~~form the specialized system for worldwide federation of national standards standardization. National bodies (that are members of ISO member bodies). The work of IEC participate in the development of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. Internationally 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.~~

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 ~~ISO documents 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 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

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This document was prepared by ~~Joint Technical Committee JTC1 ISO/IEC JTC 1, Information Technology technology~~, Subcommittee SC-37, *Biometrics*.

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 www.iso.org/members.html and www.iec.ch/national-committees.

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Introduction

This document provides support for the further development of ISO/IEC ~~biometric standards~~ International Standards on biometrics in the context of cross-jurisdictional and societal applications of biometrics, in relation to usage with elderly persons.

The contents of this document are descriptive and ~~don't do not~~ provide recommended practices and guidelines.

~~Legal requirements of the respective countries take precedence and biometric data should be obtained in accordance with local norms of behaviour.~~

Examples of the benefits to be gained ~~by following the Technical Report~~ using this document are:

- ~~Operational~~ operational support in using biometrics applied to the context of elderly people;
- ~~Enhanced~~ enhanced acceptance by subjects of systems (elderly people and relatives) using biometric technology;
- ~~Improved~~ improved public perception and understanding of these systems;
- ~~Smoother~~ smoother introduction and operation of these systems.

The primary stakeholders are identified as:

- ~~Users~~ users - those who use the results of the biometric data;
- ~~Developers~~ developers - those who develop technical standards;
- ~~Subjects~~ subjects - those who provide the biometric sample;
- ~~Writers~~ writers of system specifications, system architects and IT designers;
- ~~Public~~ public policy makers - those who make policies affecting the use of biometrics-

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Information technology — Cross-jurisdictional and societal aspects of implementation of biometric technologies — Biometrics and elderly people

1 Scope

This document builds upon the information provided in ISO/IEC TR 24714-1, ISO/IEC TR 29194:2015, and ISO/IEC TR 29138-1:2009. It highlights in order to highlight in a more detailed way the medical, physical and cognitive aspects that are specific for the use of biometrics by elderly persons.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 2382-37, *Information technology — Vocabulary — Part 37: Biometrics*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 2382-37:2017¹ and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

2.1 elderly person-

Every~~every~~ human being over the age of 65 years².

¹ For a freely available copy of ISO/IEC 2382-37:2017, see: <https://standards.iso.org/ittf/PubliclyAvailableStandards/index.html>

² Clause 6 explains why 65 years was chosen as the age that defines an elderly person

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