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Information technology — Security techniques — Privacy architecture framework

Technologies de l'information — Techniques de sécurité — Architecture de référence de la protection de la vie privée

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Contents

Page

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 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.

This document was prepared by Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *Security techniques*.

This second edition cancels and replaces the first edition (ISO/IEC 29101:2013) which has been technically revised. The main change compared to the previous edition is that old Annex D has been removed.

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.

Introduction

This document describes a high-level architecture framework and associated controls for the safeguarding of privacy in information and communication technology (ICT) systems that store and process personally identifiable information (PII).

The privacy architecture framework described in this document:

— provides a consistent, high-level approach to the implementation of privacy controls for the processing of PII in ICT systems;

— provides guidance for planning, designing and building ICT system architectures that safeguard the privacy of PII principals by controlling the processing, access and transfer of personally identifiable information; and

— shows how privacy enhancing technologies (PETs) can be used as privacy controls.

This document builds on the privacy framework provided by ISO/IEC 29100 to help an organization define its privacy safeguarding requirements as they relate to PII processed by any ICT system. In some countries, privacy safeguarding requirements are understood to be synonymous with data protection/privacy requirements and are the subject of data protection/privacy legislation.

Information technology — Security techniques — Privacy architecture framework

1 Scope

This document defines a privacy architecture framework that:

— specifies concerns for ICT systems that process PII;

— lists components for the implementation of such systems; and

— provides architectural views contextualizing these components.

This document is applicable to entities involved in specifying, procuring, architecting, designing, testing, maintaining, administering and operating ICT systems that process PII.

It focuses primarily on ICT systems that are designed to interact with PII principals.

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 29100, *Information technology — Security techniques — Privacy framework*

ISO/IEC/IEEE 42010, *Systems and software engineering — Architecture description*