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Information security, cybersecurity and privacy protection — Application of ISO 31000 for assessment of identity-related risk

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Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *Information security, cybersecurity and privacy protection*.

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.

Introduction

ISO 31000 provides guidelines and a methodology for assessing risk. The additional guidance provided in this document supports the use of ISO 31000:2018 in the field of identity management, in particular for the risk management for identities. This document elaborates on the steps in the methodology provided in ISO 31000, demonstrating how to apply them to the assessment of identity-related risk. Therefore, this document is an application of ISO 31000 for the assessment of identity-related risk. This document is intended to be used in connection with ISO 31000:2018.

While the contexts in which identities are established differ between implementations, there are some elements that are consistent. This document presents those elements where they have been identified.

This document is intended to help organizations establishing and using identities to understand the risks posed by these identities, in order to determine what is needed to mitigate these risks. The manner in which this is done enables the output of the assessment process to be used as an input into processes which are described in other identity management standards, where a risk-based approach is specified for determining levels of assurance.

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1 Scope

This document provides guidelines for identity-related risk, as an extension of ISO 31000:2018. More specifically, it uses the process outlined in ISO 31000 to guide users in establishing context and assessing risk, including providing risk scenarios for processes and implementations that are exposed to identity-related risk.

This document is applicable to the risk assessment of processes and services that rely on or are related to identity. This document does not include aspects of risk related to general issues of delivery, technology or security.

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 31000:2018, *Risk management — Guidelines*