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First edition
2020-12

Blockchain and distributed ledger technologies — Security management of digital asset custodians



Reference number
ISO/TR 23576:2020(E)

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 307, *Blockchain and distributed ledger technologies*.

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

A digital asset custodian holds customers' digital assets for safekeeping in order to minimize the risk of their theft or loss. This document illustrates the security risks, threats, and measures which digital asset custodians consider, design, and implement in order to protect the assets of their customers, based on best practices, existing standards and research. For example, the management of signature keys for digital assets requires special attention, taking into account the specific nature of blockchains and DLT systems and the security challenges they face. A key topic discussed is the appropriate management of signature keys by digital asset custodians in order to prevent misuse and transactions by unauthorized individuals.