International

ISO 20038

Banking and related financial services — Key wrap using advanced encryption standard (AES)

Banque et autres services financiers — Enveloppe de clé utilisant AES (norme de chiffrement avancé)

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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

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This document was prepared by Technical Committee ISO/TC 68, *Financial services*, Subcommittee SC 2, *Financial services, security*.

This second edition cancels and replaces the first edition (ISO 20038:2017), which has been technically revised.

The main changes are as follows:

— updated for compatibility with ANSI X9.143-2022.

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The secure management of cryptographic keys requires that their values and usage constraints be protected for both confidentiality and integrity.

This document provides a method of wrapping cryptographic keys in order to provide confidentiality and integrity protection for the keys when being transmitted or stored. The mechanism is designed to use advanced encryption standard (AES) specified in FIPS 197 as the wrapping cipher.