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Protection profile for trustworthy systems supporting time stamping

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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Protection profile for trustworthy systems supporting time stamping

Profil de protection pour des systèmes fiables d'horodatage

Schutzprofil für vertrauenswürdige Systeme, die Zeitstempel unterstützen

This European Standard was approved by CEN on 7 July 2019.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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Contents   Page

European foreword

This document (EN 419231:2019) has been prepared by Technical Committee CEN/TC 224 "Personal identification, electronic signature and cards and their related systems and operations", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2020, and conflicting national standards shall be withdrawn at the latest by February 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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EN 419231:2019 (E)

Introduction

This document specifies a protection profile for a software component that is part of time stamping system that provides time-stamp tokens to requesters. The TOE operational environment is composed of an operating system, other software applications, drivers and an external UTC time source that is considered to be trusted by the TOE. When a cryptographic module is being used, it is outside of the TOE perimeter.

The TOE is expected to be protected by physical and organisational protection measures implemented by the TOE environment. Those measures are expected to restrict the TOE physical access (e.g. for administration purposes) to authorized persons only and are expected to require dual control. ETSI EN 319 421 specifies additional policy and security requirements relating to the operation and management practices of TSPs issuing time-stamps.

This protection profile is issued by the European Committee for Standardization, Information Society Standardization System (CEN/ISSS).

Correspondence and comments to this document should be referred to:

Editor: Dr. Jorge López Hernández-Ardieta

Email: jlhardieta@indra.es

Main contributor: Mr. Julien Groslambert

Email: julien.groslambert@mybusinesseducation.fr

After EN approval the contact address will be:

CEN/ISSS Secretariat

Rue de Stassart 36

1050 Brussels, Belgium

Tel +32 2 550 0813

Fax +32 2 550 0966

Email: isss@cenorm.be

For Revision history, see Annex A.

For document structure, see Annex B.

1 Scope

This document specifies a protection profile for trustworthy systems supporting time stamping.

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.

CEN/TS 419221-2, *Protection Profiles for TSP cryptographic modules - Part 2: Cryptographic module for CSP signing operations with backup*

CEN/TS 419221-4, *Protection Profiles for TSP cryptographic modules - Part 4: Cryptographic module for CSP signing operations without backup*

EN 419221-5, *Protection Profiles for TSP Cryptographic Modules - Part 5: Cryptographic Module for Trust Services*

ISO/IEC 15408 (all parts),[1] *Information technology — Security techniques — Evaluation criteria for IT security*

ISO/IEC 19790, *Information technology — Security techniques — Security requirements for cryptographic modules*

ETSI EN 319 421:2016, *Electronic Signatures and Infrastructures (ESI) - Policy and Security Requirements for Trust Service Providers providing Time-Stamping*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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[1] The following documents are equivalent to ISO/IEC 15408:

Common Criteria for Information Technology Security Evaluation, Part 2: Security Functional Components; Version 3.1, Revision 4. CCMB-2012-09-002, September 2012.

Common Criteria for Information Technology Security Evaluation, Part 3: Security Assurance Components; Version 3.1, Revision 4. CCMB-2012-09-003, September 2012.