ICS 35.240.60 SLOVENSKÁ TECHNICKÁ NORMA Júl 2021

STN	**Procesy, dátové prvky a dokumenty v obchode, priemysle a administratíve Dlhodobé profily podpisov Časť 1: Profily dlhodobého podpisu zaručených elektronických podpisov vo formáte CMS (CAdES)**	**STN ISO 14533-1** 97 4104

Processes, data elements and documents in commerce, industry and administration
Long term signature profiles
Part 1: Long term signature profiles for CMS Advanced Electronic Signatures (CAdES)

Processus, éléments d'informations et documents dans le commerce, l'industrie et l'administration
Profils de signature à long
Partie 1: Profils de signature à long terme pour les signatures électroniques avancées CMS (CAdES)

Prozesse, Datenelemente und Dokumente in Handel, Industrie und Verwaltung
Langzeitsignaturprofile
Teil 1: Langzeitsignaturprofile für CMS Advanced Electronic Signatures (CAdES)

Táto norma obsahuje anglickú verziu ISO 14533-1: 2014.

This standard includes the English version of ISO 14533-1: 2014.

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Anotácia

Táto časť ISO 14533 ustanovuje určité prvky CMS Enhanced Electronic Signatures (CAdES), ktoré umožňujú dlhodobé overovanie pravosti elektronického podpisu (ES).

Norma neobsahuje nové technické špecifikácie týkajúce sa samotných digitálnych podpisov a neukladá nové obmedzenia pri uplatňovaní už použitých technických špecifikácií ES.

POZNÁMKA. – Pokročilé elektronické podpisy CMS (CAdES) sú široko používanou rozšírenou špecifikáciou syntaktickej štruktúry kryptografických správ (CMS).

Národný predhovor

Normatívne referenčné dokumenty

Nasledujúce dokumenty, celé alebo ich časti, sú v tomto dokumente normatívnymi odkazmi a sú nevyhnutné pri jeho používaní. Pri datovaných odkazoch sa použije len citované vydanie. Pri nedatovaných odkazoch sa použije najnovšie vydanie citovaného dokumentu (vrátane všetkých zmien).

POZNÁMKA 1. – Ak bola medzinárodná publikácia zmenená spoločnými modifikáciami, čo je indikované označením (mod), použije sa príslušná EN/HD.

POZNÁMKA 2. – Aktuálne informácie o platných a zrušených STN možno získať na webovej stránke www.unms.sk.

ETSI/TS 101 733 v 2.2.1 (2013-04) dosiaľ nezavedená

Vypracovanie normy

Spracovateľ: Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, Bratislava

Technická komisia: TK 37 Informačné technológie

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 14533-1 was prepared by Technical Committee ISO/TC 154, *Processes, data elements and documents in commerce, industry and administration*.

This second edition cancels and replaces the first edition (ISO 14533-1:2012), which has been technically revised. The main changes compared with the previous edition are that Clause 6 and Annexes A and B have been technically revised with the addition of a new archive time-stamp format: archive-time-stamp-v3 (ATSv3) and an associated attribute ats-hash-index.

ISO 14533 consists of the following parts, under the general title *Processes, data elements and documents in commerce, industry and administration — Long term signature profiles*:

— *Part 1: Long term signature profiles for CMS Advanced Electronic Signatures (CAdES)*

— *Part 2: Long term signature profiles for XML Advanced Electronic Signatures (XAdES)*

The following part is under preparation:

— *Part 3: Long term signature profiles for PDF Advanced Electronic Signatures (PAdES)*

Introduction

The purpose of this part of ISO 14533 is to ensure the interoperability of implementations with respect to long term signatures that make electronic signatures verifiable for a long term. Long term signature specifications referenced by each implementation cover CMS Advanced Electronic Signatures (CAdES) developed by the European Telecommunications Standards Institute (ETSI).

INTERNATIONAL STANDARD ISO 14533-1:2014(E)

Processes, data elements and documents in commerce, industry and administration — Long term signature profiles —

Part 1:
Long term signature profiles for CMS Advanced Electronic Signatures (CAdES)

1 Scope

This part of ISO 14533 specifies the elements, among those defined in CMS Advanced Electronic Signatures (CAdES), that enable verification of a digital signature over a long period of time.

It does not give new technical specifications about the digital signature itself, nor new restrictions of usage of the technical specifications about the digital signatures which have already existed.

NOTE CMS Advanced Electronic Signatures (CAdES) is the extended specification of Cryptographic message syntax (CMS), used widely.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ETSI/TS 101 733 v2.2.1 (2013-04), *Electronic Signatures and Infrastructures (ESI); CMS Advanced Electronic Signatures (CAdES)*[1)]