



NSAI
Standards

Irish Standard Recommendation
S.R. CEN/TS 419221-6:2019

Conditions for use of EN 419221-5 as a
qualified electronic signature or seal
creation device

S.R. CEN/TS 419221-6:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

CEN/TS 419221-6:2019

Published:

2019-03-27

This document was published under the authority of the NSAI and comes into effect on:

2019-04-14

ICS number:

35.040.01

35.240.30

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

S.R. CEN/TS 419221-6:2019 is the adopted Irish version of the European Document CEN/TS 419221-6:2019, Conditions for use of EN 419221-5 as a qualified electronic signature or seal creation device

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 419221-6

March 2019

ICS 35.040.01; 35.240.30

English Version

**Conditions for use of EN 419221-5 as a qualified electronic
signature or seal creation device**

Conditions d'utilisation de l'EN 419221-5 en tant
dispositif de création de signature ou cachet
électronique qualifié

Bedingungen zu lokaler Verwendung von EN 419221-
5 als qualifizierte elektronische Signatur- oder
Siegelerstellungseinheit

This Technical Specification (CEN/TS) was approved by CEN on 11 February 2019 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

| Contents | Page |
|--|-------------|
| European foreword | 3 |
| Introduction | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Terms and definitions | 5 |
| 3.1 Terminology | 5 |
| 3.2 Abbreviations | 5 |
| 4 Conditions for use of EN 419221-5 Certified device as QSealCD | 6 |
| 5 Conditions for use of EN 419221-5 Certified device as QSigCD | 6 |
| Annex A (informative) Guidance on meeting Objectives of the Operation Environment | 7 |
| A.1 Introduction | 7 |
| A.2 OE.ExternalData — Protection of data outside TOE control | 7 |
| A.3 OE.Env — Protected operating environment | 7 |
| A.4 OE.DataContext — Appropriate use of TOE functions | 8 |
| A.5 OE.Uauth — Authentication of application users | 8 |
| A.6 OE.AuditSupport — Audit data review | 8 |
| A.7 OE.AppSupport — Application security support | 8 |
| Bibliography | 9 |

European foreword

This document (CEN/TS 419221-6:2019) 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.

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.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

FprCEN/TS 419221-6:2018 (E)**Introduction**

EU Regulation N° 910/2014 (eIDAS) on electronic identification and trust services for electronic transactions in the internal market [1] builds on the concept and requirements defined in the earlier EU Directive 1999/93 on Electronic Signatures [i.3]. eIDAS defines an electronic signature which has legal equivalence to handwritten signature. eIDAS defines a variant of the electronic signature called electronic seal. An electronic seal authenticates the origin of data but created under control, as opposed to “sole control” for electronic signatures, of a legal person (e.g. organization), as opposed to natural person (i.e. individual). eIDAS recognizes a special level of qualified electronic signature and seal which is created using a qualified signature creation device (QSigCD) or qualified seal creation device (QSealCD) and supported by a qualified certificate. The requirements for a qualified seal creation device are described to be “mutatis mutandis” as for a qualified signature creation device.

The EN 419221-5 standard states that a conformant cryptographic module is intended to be used as a qualified electronic signatures and seal creation device under Regulation 910/2014 (see Clause 1.2.1) but the scope of the document is aimed at trust service providers. This document aims to give users, implementers and regulators a clear basis for acceptance of EN 419221-5 certified devices for use as a qualified signature creation device or a qualified electronic seal creation device under Regulation 910/2014 even if not operated by a qualified TSP.

Annex A of EN 419221-5:2018 describes how the requirements for a Qualified Signature Creation Device (as defined in Annex II of (EU) No 910/2014) are covered by the standard. The equivalent may also be applied “Mutatis Mutandis” to Qualified Seal Creation Device where the requirements for control are considered to be less stringent (“control” instead of “sole control”).

1 Scope

This document specifies conditions for use of an EN 419221-5 certified device in the case the signatory or seal creator has direct local control of the cryptographic module with the aim of being recognized as a qualified seal and/or signature creation device as defined in Regulation EU 910/2014 [1].

This document is aimed at use by entities other than trust service providers. Trust service providers can use EN 419221-5 directly without the need to take into account specific conditions as specified in the present document.

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.

EN 419221-5:2018, *Protection Profiles for TSP Cryptographic Modules - Part 5: Cryptographic Module for Trust Services*

3 Terms and definitions

3.1 Terminology

For the purposes of this document the terms and definitions given in EU Regulation N° 910/2014 [1] apply.

The term “seal” is used to denote “Electronic Seal”.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.2 Abbreviations

For the purposes of this document the following abbreviations apply.

| | |
|---------|---|
| QSealCD | Qualified Seal Creation Device |
| QSignCD | Qualified Signature Creation Device |
| QTSP | Qualified Trust Service Provider |
| eIDAS | electronic Identification, Authentication and Signatures |
| NOTE | This is the informal name used for Regulation 910/2014 [1]. |

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-