

Irish Standard I.S. EN 419211-4:2013

Protection profiles for secure signature creation device - Part 4: Extension for device with key generation and trusted channel to certificate generation application

© CEN 2013

No copying without NSAI permission except as permitted by copyright law.

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: CWA 14169:2004

This document is based on:

Published:

EN 419211-4:2013

9 December, 2013

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

9 December, 2013

ICS number:

03.160 35.040 35.240.15

NSAI

T +353 1 807 3800

Sales:

1 Swift Square, Northwood, Santry Dublin 9

F +353 1 807 3838 E standards@nsai.ie T +353 1 857 6730 F +353 1 857 6729

W NSALie

W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 419211-4

November 2013

ICS 03.160; 35.040; 35.240.15

Supersedes CWA 14169:2004

English Version

Protection profiles for secure signature creation device - Part 4: Extension for device with key generation and trusted channel to certificate generation application

Profils de protection pour dispositif sécurisé de création de signature électronique - Partie 4: Extension pour un dispositif avec génération de clé et communication sécurisée avec l'application de génération de certificats

Schutzprofile für sichere Signaturerstellungseinheiten - Teil 4: Erweiterung für Einheiten mit Schlüsselerzeugung und vertrauenswürdigem Kanal zur Zertifikaterzeugungsanwendung

This European Standard was approved by CEN on 12 October 2013.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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, 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: Avenue Marnix 17, B-1000 Brussels

EN 419211-4:2013 (E)

Foreword	. 4 . 5 . 5 . 5 . 5 . 5 . 6 . 6
1 Scope 2 Normative references 3 Conventions and terminology 3.1 Conventions 3.2 Terms and definitions 4 PP introduction 4.1 PP reference 4.2 PP overview 4.3 TOE overview 5 Conformance claims 5.1 CC conformance claim 5.2 PP claim, Package claim 5.3 Conformance rationale 5.4 Conformance statement 6 Security problem definition 6.1 Assets, users and threat agents 6.2 Threats 6.3 Organizational security policies 6.4 Assumptions 7 Security objectives	.5.5.5.55
Normative references Conventions and terminology Conventions Conformance claims Conformance claims Conformance claims Conformance rationale Conformance statement C	.5.5.55
3.1 Conventions 3.2 Terms and definitions. 4 PP introduction. 4.1 PP reference. 4.2 PP overview. 5 Conformance claims. 5.1 CC conformance claim. 5.2 PP claim, Package claim. 5.3 Conformance rationale. 5.4 Conformance statement. 6 Security problem definition. 6.1 Assets, users and threat agents. 6.2 Threats. 6.3 Organizational security policies. 6.4 Assumptions. 7 Security objectives.	.5.5.55
3.1 Conventions 3.2 Terms and definitions 4 PP introduction 4.1 PP reference 4.2 PP overview 4.3 TOE overview 5 Conformance claims 5.1 CC conformance claim 5.2 PP claim, Package claim 5.3 Conformance rationale 5.4 Conformance statement 6 Security problem definition 6.1 Assets, users and threat agents 6.2 Threats 6.3 Organizational security policies 6.4 Assumptions 7 Security objectives	. 5
3.2 Terms and definitions	. 5 . 5 . 6
4 PP introduction 4.1 PP reference 4.2 PP overview 4.3 TOE overview 5 Conformance claims 5.1 CC conformance claim 5.2 PP claim, Package claim 5.3 Conformance rationale 5.4 Conformance statement 6 Security problem definition 6.1 Assets, users and threat agents 6.2 Threats 6.3 Organizational security policies 6.4 Assumptions 7 Security objectives	. 5 . 5 . 6
4.1 PP reference 4.2 PP overview 4.3 TOE overview 5 Conformance claims 5.1 CC conformance claim 5.2 PP claim, Package claim 5.3 Conformance rationale 5.4 Conformance statement 6 Security problem definition 6.1 Assets, users and threat agents 6.2 Threats 6.3 Organizational security policies 6.4 Assumptions 7 Security objectives	. 5 . 6
4.2 PP overview	. 6 . 6
4.3 TOE overview	. 6
5 Conformance claims	
5.1 CC conformance claim 5.2 PP claim, Package claim 5.3 Conformance rationale 5.4 Conformance statement 6 Security problem definition 6.1 Assets, users and threat agents 6.2 Threats 6.3 Organizational security policies 6.4 Assumptions 7 Security objectives	. 9
5.2 PP claim, Package claim 5.3 Conformance rationale 5.4 Conformance statement 6 Security problem definition 6.1 Assets, users and threat agents 6.2 Threats 6.3 Organizational security policies 6.4 Assumptions 7 Security objectives	
5.3 Conformance rationale	. 9
5.4 Conformance statement	. 9
6 Security problem definition	. 9
6.1 Assets, users and threat agents	10
6.2 Threats	10
6.3 Organizational security policies 6.4 Assumptions 7 Security objectives	10
6.4 Assumptions	10
7 Security objectives	11
• •	11
7.1 Security objectives for the TOE	11
	11
7.2 Security objectives for the operational environment	11
7.3 Security objectives rationale	12
8 Extended components definition	15
8.1 Definition of the family FPT_EMS	15
8.2 Definition of the family FIA_API	15
9 Security requirements	16
9.1 Security functional requirements	16
9.2 Security assurance requirements	18
9.3 Security requirements rationale	

Foreword

This document (EN 419211-4:2013) 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 May 2014 and conflicting national standards shall be withdrawn at the latest by May 2014.

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

This document supersedes CWA 14169:2004.

This series of European Standards, *Protection profiles for secure signature creation device* consists of the following parts:

- Part 1: Overview
- Part 2: Device with key generation
- Part 3: Device with key import
- Part 4: Extension for device with key generation and trusted channel to certificate generation application
- Part 5: Extension for device with key generation and trusted channel to signature creation application
- Part 6: Extension for device with key import and trusted channel to signature creation application

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 419211-4:2013 (E)

Introduction

This series of European Standards specifies Common Criteria protection profiles for secure signature creation devices and is issued by the European Committee for Standardization, Information Society Standardization System (CEN/ISSS) as update of the Electronic Signatures (E-SIGN) CEN/ISSS workshop agreement (CWA) 14169:2004, Annex B and Annex C on the protection profile secure signature creation devices, "EAL 4+".

Preparation of this document as a protection profile (PP) follows the rules of the Common Criteria version 3.1 [2], [3] and [4].



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation