Nederlandse

Ontwerp

norm

NEN-EN 419111-5

Protection profiles for signature creation and verification application - Signature verification application - Part 5: Possible extensions

Publicatie uitsluitend voor commentaar

april 2013
ICS 35.240.15

Commentaar vóór 2013-06-28

Zal vervangen CWA 14171:2004 ,deels

Als Europees normontwerp is gepubliceerd: prEN 416111-5:2013,IDT

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Normcommissie 381017 "Identificatie kaarten en persoonlijke identificatie"

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 419111-5

February 2013

ICS 35.240.15

Will supersede CWA 14171:2004

English Version

Protection profiles for signature creation and verification application - Signature verification application - Part 5: Possible extensions

Profils de protection pour application de création et de vérification de signature - Application de vérification de signature - Partie 5: Extensions possibles

Schutzprofile für eine Anwendung zum Erzeugen und Prüfen von Signaturen - Signatur Verifikation Anwendung - Teil 5: Mögliche Extentionen

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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Ref. No. prEN 419111-5:2013: E

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Foreword

This document (prEN 416111-5:2013) 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 document is currently submitted to the CEN Enquiry.

This document, together with prEN 419111-4:2013, will supersede CWA 14171:2004.

EN 419111 consists of the following parts under the general title "*Protection profiles for signature creation and verification application*":

— *Part 1: Introduction.*
This part is an introduction to EN 419111;

— *Part 2: Signature creation application – Core PP.*
This part is a PP for the SCA, specifying only the core security functions;

— *Part 3: Signature creation application – Possible extensions.*
This part specifies possible additional security functions that can be added to the core SCA PP;

— *Part 4: Signature verification application – Core PP.*
This part is a PP for the SVA, specifying only the core security functions;

— *Part 5: Signature verification application – Possible extensions.*
This part specifies possible additional security functions that can be added to the core SVA PP.

1 Scope

This document contains a set of packages. These packages describe security functions that may be added to the core SVA PP prEN 419111-4:2013 [4]. The following packages are available:

— Checker package

— Certificate management package

— Explicit SP management package

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.

prEN 419111-1:2013, *Protection profiles for signature creation and verification application – Part 1: Introduction*

[NR1] *Common Criteria for Information Technology Security Evaluation – Part 1: Introduction and general model – July 2009 – Version 3.1 Rev. 3 CCMB-2009-07-001*

[NR2] *Common Criteria for Information Technology Security Evaluation – Part 2: Security functional components – July 2009 – Version 3.1 Rev. 3 CCMB-2009-07-002*

[NR3] *Common Criteria for Information Technology Security Evaluation – Part 3: Security assurance components – July 2009 – Version 3.1 Rev. 3 CCMB-2009-07-003*

[NR4] *Common Criteria for Information Technology Security Evaluation – Evaluation methodology – July 2009 – Version 3.1 Rev. 3 CCMB-2009-07-004*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in prEN 419111-1:2013 apply.

4 Symbols and abbreviations

For the purposes of this document, the symbols and abbreviations given in prEN 419111-1:2013 apply.

5 Extended component definition

5.1 Definition of the Family FDP_SVR

In order to define the IT-security requirements of the TOE completely, an additional functional family (FDP_SVR) of class FDP (user data protection) is defined. This family describes the functional requirements for a secure viewer component of a signature application component.

Due to the complexity of a legal binding viewer component as required by the signature law this component could not be modelled from the components that are provided by the Common Criteria framework. Therefore the introduction of a separate functional family is necessary that covers the requirements to describe the TOE consistently as needed for a confirmation that is based on the results of the Common Criteria evaluation.

FDP_SVR Secure Viewer

Family behaviour

This family defines the functional requirements to a secure viewer component for electronic signature applications. Electronic signature applications require a viewer component, which ensures, that the displayed data is unambiguous. The user shall be informed about content, that may not be displayed but the electronic signature will refer to.

Component levelling

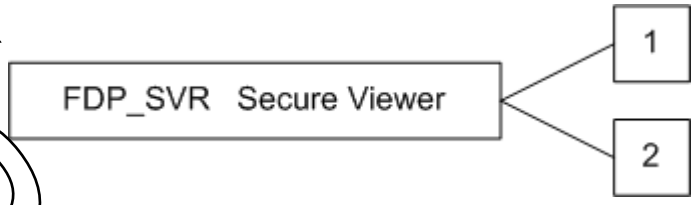

Figure 1 — FDP_SVR component levelling

FDP_SVR.1 Secure Viewer requires the TSF to display the documents content in an unambiguous way, which is free of hidden content. In addition, the ability to inform the user about hidden content is required.

FDP_SVR.2 Secure Viewer requires the TSF to display the results of the signature verification according to the signature policy.

Management: FDP_SVR.1, FDP_SVR.2

For this component no management activities are foreseen.

Audit: FDP_SVR.1, FDP_SVR.2

No actions are identified, that should be logged, if FAU_GEN is part of the PP/ST.

FDP_SVR.1 Secure viewer of data content

Hierarchical to: No other components.

Dependencies: No dependencies.

FDP_SVR.1.1 The TSF shall ensure, that the displayed content of a document is unambiguous according to [assignment: *norms for displaying content*].

FDP_SVR.1.2 The TSF shall ensure that the displayed content of a document is free of active or hidden content. The TSF shall ensure that the user is informed about hidden or active content.

FDP_SVR.1.3 The TSF shall ensure, that the user is informed about content that cannot be displayed.

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