ICS 35.240.15 SLOVENSKÁ TECHNICKÁ NORMA Január 2015

| STN | **Systémy s identifikačnými kartami. Európsky občiansky preukaz. Časť 3: Interoperabilita európskeho občianskeho preukazu pomocou aplikačného rozhrania.** | **STN P CEN/TS 15480-3**<br><br>36 9726 |
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Identification card systems - European Citizen Card - Part 3: European Citizen Card Interoperability using an application interface

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/14

Táto predbežná STN je určená na overenie. Pripomienky zasielajte ÚNMS SR najneskôr do 30. 4. 2016.

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TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

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# CEN/TS 15480-3

April 2014

ICS 35.240.15

Supersedes CEN/TS 15480-3:2010

English Version

# Identification card systems - European Citizen Card - Part 3: European Citizen Card Interoperability using an application interface

Systèmes de carte d'identification - Carte Européenne du Citoyen - Partie 3 : Interopérabilité de la Carte européenne du Citoyen utilisant une interface applicative

Identifikationskartensysteme - Europäische Bürgerkarte - Teil 3: Anwendungsschnittstelle für die Interoperabilität von Europäischen Bürgerkarten

This Technical Specification (CEN/TS) was approved by CEN on 14 October 2013 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.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**



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# Foreword

This document (CEN/TS 15480-3:2014) 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 [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN/TS 15480-3:2010.

CEN/TS 15480, *Identification card systems — European Citizen Card*, is composed of the following parts:

— *Part 1: Physical, electrical and transport protocol characteristics*;

— *Part 2: Logical data structures and security services*;

— *Part 3: European Citizen Card Interoperability using an application interface* (the present document);

— *Part 4: Recommendations for European Citizen Card issuance, operation and use*;

— *Part 5: General Introduction*.

The following technical changes have been made in this new edition of CEN/TS 15480-3:

— addition of mention of SAL Lite component, abstraction of GCI and GCAL through Registry processed at SAL level, decision tree update, scope update, etc (5.3.5.3);

— removal of all subclauses under 6.6.3 (Data structures mapping) that were already incorporated in ISO/IEC 24727-4;

— removal of Annex J dedicated to ECC-3 API (handling ISO/IEC 7816-15 objects) considered not appropriate in ECC-3 because implementation-specific and not fundamental to interoperability;

— removal of XML Binding details for SAL API from Clause 10 and Annex G (removal of Annex G); it was incorporated in ISO/IEC 24727-3:2008/DAmd 1, Annex F;

— maintainance of the annex investigating SAL post-issuance personalisation;

— removal of Annex H describing XML binding for Authentication protocols since these protocols are now part of ISO/IEC 24727-3:2008/DAmd 1, i.e. EACv2 protocol binding doesn’t need to be reflected in ECC-3 since it is incorporated in ISO/IEC 24727-3:2008, Annex E;

— removal of Annex D “example of CIA implementation for Card –Application Service description” since it is updated and incorporated in ISO/IEC 24727-4:2008/DAmd 1;

— removal of XML-based CardInfo Types (XML Registry) since it is incorporated in ISO/IEC 24727-3:2008/DAmd 1, Annex D, Clause D.3;

— IFD-API shows enhancements in comparison with ISO/IEC 24727 (e.g. SlotCapabilityType with support of transmission protocol descriptor, Transmit command with support of batch APDU, SignalEvent error coding with additional error code), therefore IFD API Annex B are removed from ECC-3 and the clauses describing enhancements are reflected in ECC-3, Annex D amongst the differences with ISO/IEC 24727;

— addition of Annex D, Additional features versus ISO/IEC 24727 (all parts), to incorporate the description of IFD API extensions in terms of API definition and binding;

— removal of 6.2.1.1, Definition for CardInfoRepository.XSD, and 6.2.1.2, Definition for CardInfoRepository.WSDL, since these binding descriptions are now part of ISO/IEC 24727-4:2008/DAmd, 1;

— addition of a new Clause 11 dedicated to Authenticate API: the Authenticate() call makes the service layer module transparent to the Service Provider, it occurs above SAL layer;

— provision of an introductory text describing the layout where Authenticate API fits;

— IFD API C-Language Binding remains in ECC-3 till its endorsement in ISO/IEC 24727 if deemed useful;

— maintainance of ExecuteSAL API in ECC-3 (both C-language binding and java binding);

— incorporation under Annex G of “Application Discovery Profile” for the purposes of integration in ISO/IEC 24727 framework.

According to the CEN-CENELEC Internal Regulations, the national standards organizations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

# 1 Scope

This Technical Specification provides an Interoperability Model, which will enable an eService compliant with technical requirements, to interoperate with different implementations of the European Citizen Card.

This Interoperability model will be developed as follows:

— starting from the ECC Part 2, Part 3 of the ECC series provides additional technical specifications for a middleware architecture based on ISO/IEC 24727 (all parts); this middleware will provide an API to an eService as per ISO/IEC 24727-3.

— a set of additional API provides the middleware stack with means to facilitate ECC services.

— a standard mechanism for the validation of the e-ID credential is stored in the ECC and retrieved by the eService.

In order to support the ECC services over an ISO/IEC 24727 middelware configuration, this part of the standard specifies the following:

— a set of mandatory requests to be supported by the middleware implementation based on ISO/IEC 24727 (all parts).

— data set content for interoperability to be personalised in the ECC.

— three middleware architecture solutions: one based on a stack of combined ISO/IEC 24727 configurations and the other based on Web Service configuration whereas the third one is relying on a SAL Lite component.

— an Application DiscoveryProfile featuring the guidelines for card-applications to fit in ISO/IEC 24727 framework.

# 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.

CEN/TS 15480-2:2012, *Identification card systems — European Citizen Card — Part 2: Logical data structures and security services*

CEN/TS 15480-4, *Identification card systems — European Citizen Card — Part 4: Recommendations for European Citizen Card issuance, operation and use*

ISO/IEC 7816-4, *Identification cards — Integrated circuit cards — Part 4: Organization, security and commands for interchange*

ISO/IEC 7816-15, *Identification cards — Integrated circuit cards — Part 15: Cryptographic information application*

ISO/IEC 24727-1, *Identification cards — Integrated circuit card programming interfaces — Part 1: Architecture*

ISO/IEC 24727-2:2008 [1)], *Identification cards — Integrated circuit card programming interfaces — Part 2: Generic card interface*

ISO/IEC 24727-3:2008 [2)], *Identification cards — Integrated circuit card programming interfaces — Part 3: Application interface*

ISO/IEC 24727-4:2008 [3)], *Identification cards — Integrated circuit card programming interfaces — Part 4: Application programming interface (API) administration*

ISO/IEC 24727-5, *Identification cards — Integrated circuit card programming interfaces — Part 5: Testing procedures*

ISO/IEC 24727-6, *Identification cards — Integrated circuit card programming interfaces — Part 6: Registration authority procedures for the authentication protocols for interoperability*



1) This document is currently impacted by the draft amendment ISO/IEC 24727-2:2008/DAmd 1.

2) This document is currently impacted by the draft amendment ISO/IEC 24727-3:2008/DAmd 1.

3) This document is currently impacted by the draft amendment ISO/IEC 24727-4:2008/DAmd 1.