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SMART CARD SYSTEMS: INTEROPERABLE

CITIZEN SERVICES: EXTENDED USER

RELATED INFORMATION - PART 1:

DEFINITION OF USER RELATED

INFORMATION AND IMPLEMENTATION

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WORKSHOP

AGREEMENT

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English version

Smart Card Systems: Interoperable Citizen Services: Extended User Related Information - Part 1: Definition of User Related Information and Implementation

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Foreword

CEN Workshop Agreement (CWA) 13987:2003 provides guidelines and specifications for designing an open scheme that supports the use of different types of smart card for accessing multiple applications at different types of system terminal. The CWA provides a method by which the smart card may store information relating to the Card Holder, for retrieval and use by card accepting devices (terminals), other networked systems, and on-card applications.

This document supersedes CWA 13987-1:2000.

This document (CWA 13987-1:2003 (CWA 13987 2nd edition)) is the normative part of the CWA. It details the data elements and structures required to support interoperability on smart cards. This work is an extension of CWA 13987:2000 (CWA 13987 1st edition), to include a detailed card edge specification and network message formats. CWA 13987:2000 was itself based on the DISTINCT IADS Project IA 1003 (DE) and represents a development of that work into an open environment.

This normative part of CWA 13987 constitutes the first part of the set of guidelines and specifications, which together form the complete CWA:

- CWA 13987-1:2003 Smart Card Systems: Interoperable Citizen Services: User Related Information: Part 1: Definition of User Related Information and Implementation

- CWA 13987-2:2003 Smart Card Systems: Interoperable Citizen Services: User Related Information: Part 2: Implementation Guidelines

- CWA 13987-3:2003 Smart Card Systems: Interoperable Citizen Services: User Related Information: Part 3: Guidelines to Creating, Operating and Maintaining an Interoperable Card Community

Conformance with the specifications given in Part 1 (the normative part) is essential for implementation of the open scheme in compliance with CWA 13987, whereas Parts 2 and 3 (informative parts) provide information and suggestions, but are not prescriptive.

This CWA has been agreed upon by the contributing partners in the eURI Workshop, representing a wide mix of interests, and coming from a variety of European countries. The list of companies who have supported the document's contents may be obtained from the CEN/ISSS Secretariat.

The CWA was approved following a final, electronically organized, review/endorsement round which was closed on 2003-07-04; the final text was submitted to CEN for publication on 2003-08-15.

0 Introduction

0.1 Background

Smart card interoperability is a key requirement of the developing Information Society, especially as citizen mobility around Europe increases. This requirement is strongly supported by two factors:

- The growing use of smart cards as enabling tokens for products and services emanating from the Information Society, i.e. products and services based on Information and Communications Technologies (ICT)

- The usefulness of smart cards in the creation of an inclusive society by informing ICT applications and services of the requirements profile of the Card Holder.

An organisation wishing to deliver services by means of a smart card enabled system may choose to invest in the issuing of its own smart cards and in the installation of its own equipment and provider network, or it may choose to share resources with other organisations. The effective and efficient sharing of resources among different organisations for service provision to the end user is what is intended in this specification by the term interoperability. The resources shared in an interoperable Card Community (CC) using smart cards may include:

- the cards

- terminals supporting card readers (Card Accepting Devices (CADs))

- data networks and network nodes used by Service Providers

- a Service Provider's customer base

- data and information.

The collective use of these resources for improving service delivery requires collaboration between Service Providers, Card Issuers, Card Acceptors and often also administrations or other regulatory bodies. Collaboration of this kind may be sought because the services offered by different providers are complementary or, indeed, they may be in direct competition. In any case, the benefits of participating in an interoperable CC of this kind are considerable.

0.2 Purpose and scope of the CWA 13987 specification

If organisations want to join in the interoperable use of smart cards, the schemes run by those organisations need to be sufficiently `open'. This means based on generally accepted international and national agreements, not dominated by one single party or supplier of infrastructure components, and accessible to all organisations that wish to participate.

This specification sets out to define an open solution that can support the use of different types of smart card for accessing multiple applications at different types of system terminal. The solution relies on the use of a dataset held on the smart card and designated in this CWA as User Related Information (URI). The URI dataset definition, together with methods for accessing the information on the smart card and sharing the information throughout the network, form the specification 'User Related Information extended to Multi-application Smart Cards' or eURI[1].

In particular, the eURI specification supports the following facilities:

- holding a user profile to inform both the terminal user interface and the selected application user interface of the human machine interface requirements of the user

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[1] pronounced 'e – U R I'

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