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Standard Recommendation
S.R. CEN ISO/TS 17575-4:2011

Electronic fee collection - Application interface definition for autonomous systems - Part 4: Roaming (ISO/TS 17575 -4:2011)

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This document replaces:

This document is based on:
CEN ISO/TS 17575-4:2011

Published:
5 May, 2011

This document was published under the authority of the NSAI and comes into effect on:
5 May, 2011

ICS number:
03.220.20

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

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TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

CEN ISO/TS 17575-4

April 2011

ICS 03.220.20; 35.240.60

English Version

Electronic fee collection - Application interface definition for autonomous systems - Part 4: Roaming (ISO/TS 17575-4:2011)

Perception du télépéage - Définition de l'interface d'application pour les systèmes autonomes - Partie 4: Itinérance (ISO/TS 17575-4:2011)

Elektronische Gebührenerfassung - Anwendungsschnittstelle für autonome Systeme - Teil 4: Roaming (ISO/TS 17575-4:2011)

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Ref. No. CEN ISO/TS 17575-4:2011: E

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Foreword

This document (CEN ISO/TS 17575-4:2011) has been prepared by Technical Committee CEN/TC 278 “Road transport and traffic telematics” the secretariat of which is held by NEN, in collaboration with Technical Committee ISO/TC 204 "Intelligent transport systems".

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TECHNICAL SPECIFICATION

ISO/TS 17575-4

First edition
2011-04-15

Electronic fee collection — Application interface definition for autonomous systems —

Part 4: Roaming

Perception du télépéage — Définition de l'interface d'application pour les systèmes autonomes —

Partie 4: Itinérance

Reference number
ISO/TS 17575-4:2011(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO/TS 17575-4 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 278, *Road transport and traffic telematics,* in collaboration with Technical Committee ISO/TC 204, *Intelligent transport systems*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

ISO/TS 17575 consists of the following parts, under the general title *Electronic fee collection — Application interface definition for autonomous systems:*

— *Part 1: Charging*

— *Part 2: Communication and connection to the lower layers*

— *Part 3: Context data*

— *Part 4: Roaming*

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Electronic fee collection — Application interface definition for autonomous systems —

Part 4:
Roaming

1 Scope

Roaming in the context of this part of ISO/TS 17575 is understood as the ability of a Front End to operate in more than one EFC context either consecutively or at the same time. Data elements required defining operational properties of a single EFC context are defined in ISO/TS 17575-3. The additional data elements required providing interoperability in overlapping and/or interdependent EFC contexts are defined in this part of ISO/TS 17575.

2 Normative References

The following referenced documents are indispensable for the application 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.

ISO/IEC 8824-1, *Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation*

ISO/IEC 8825-2, *Information technology — ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)*

ISO 14906, *Road transport and traffic telematics — Electronic fee collection — Application interface definition for dedicated short-range communication*

ISO/TS 17575-2, *Electronic fee collection — Application interface definition for autonomous systems — Part 2: Communication and connection to the lower layers*

ISO/TS 17575-3:2011, *Electronic fee collection — Application interface definition for autonomous systems — Part 3: Context data*

EN 15509:2007, *Road transport and traffic telematics — Electronic fee collection — Interoperability application profile for DSRC*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
associated EFC context
EFC context for which an individual user has the contractual consent that his or her Front End is interoperable

3.2
attribute
application information formed by one or by a sequence of data elements, used for implementation of a transaction

NOTE Adapted from ISO 14906:2011.

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