



SLOVENSKI STANDARD
oSIST prEN ISO 17573-2:2025
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Elektronsko pobiranje pristojbin - Sistemska arhitektura za cestninjenje vozil - 2.
del: Slovar (ISO/DIS 17573-2:2024)

Electronic fee collection - System architecture for vehicle related tolling - Part 2:
Vocabulary (ISO/DIS 17573-2:2024)

Elektronische Gebührenerhebung - Systemarchitektur für fahrzeugbezogene Maut - Teil
2: Vokabular (ISO/DIS 17573-2:2024)

Perception de télépéage - Architecture de systèmes pour le péage lié aux véhicules -
Partie 2: Vocabulaire (ISO/DIS 17573-2:2024)

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ICS:

03.220.20	Cestni transport	Road transport
35.240.60	Uporabniške rešitve IT v prometu	IT applications in transport

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en,fr,de



DRAFT International Standard

ISO/DIS 17573-2

Electronic fee collection — System architecture for vehicle related tolling —

Part 2: Vocabulary

Perception de télépéage – Architecture de systèmes pour le péage lié aux véhicules —

Partie 2: Vocabulaire

ICS: 01.040.35; 35.240.60; 01.040.03; 03.220.20

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 278, *Intelligent transport systems*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

The main changes are as follows:

- conversion of this document from a technical specification to an international standard;
- several new terms additions (e.g. mode of transport, true positive / negative event, etc.).

A list of all parts in the ISO 17573 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

This document is a part of the ISO 17573 series that defines the system architecture for vehicle-related tolling. ISO 17573-1 gives a reference model for the system architecture. ISO 17573-3 provides a data dictionary that contains the definitions of ASN.1 (data) types and the associated semantics.

This document (ISO 17573-2) provides a collection of terms and definitions within the field of electronic fee collection (EFC) and road user charging that are used in the different documents published in ISO and CEN under the general title, *Electronic fee collection*.

This document is based on guidelines from the relevant ISO International Standards for terminologies, in particular: ISO 704 and ISO 1087-1. Experiences were also drawn from more general work done on terminology, in particular from the work on the Nordic ITS terminology^[29].

This document is intended to be used as a reference by editors of documents in EFC and in related areas of standardization (such as Intelligent Transport Systems, ITS). It may also be used by the general public and the stakeholders in EFC as a vocabulary, fostering a harmonized language when describing EFC systems in specifications, reports and other texts.

As this document is the main source for standardized EFC terms, any previous source references have intentionally been left out. However, source references are listed in the Bibliography.

It is foreseen that the terminology work on EFC terms will continue with addition of new terms, revision of existing terms and replacement/deletion of deprecated terms.

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Electronic fee collection — System architecture for vehicle related tolling —

Part 2: Vocabulary

1 Scope

This document defines terms within the field of electronic fee collection (EFC).

This document defines:

- terms that are used in standards related to electronic fee collection;
- terms of a more general use that are used more specifically in standards related to electronic fee collection.

This document does not define:

- Terms related primarily to other fields that operate in conjunction with EFC, such as terms for intelligent transport systems (ITS), common payment systems, the financial sector, etc.
- Deprecated terms.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

absolute charging error

difference between the measured charge *toll* (3.198) value and the actual value as measured by a reference system where a positive error means that the measurement exceeds the actual value

3.2

acceptance testing

examination that a product, process or service is in conformity with the system specification

3.3

accepted charging error interval

interval of the *relative charging error* (3.159) that the *toll charger* (3.199) considers as acceptable, i.e. as correct charging

ISO/DIS 17573-2:2024(en)**3.4
access credentials****AC-CR**

trusted *attestation* (3.12) or secure module that establishes the claimed identity of an object or application

**3.5
access list**

list of users for which the service provider accepts contractual responsibility

Note 1 to entry: The previously used term was “white list” in the ISO/TS 17573-2:2020, which is deprecated and replaced with the term above.

**3.6
accountability**

property that ensures that the actions of an entity can be traced uniquely to the entity

**3.7
accreditation**

third-party *attestation* (3.12) related to a *conformity assessment body* (3.49) conveying formal demonstration of its competence, consistent operation and *impartiality* (3.94) in performing specific conformity assessment activities

**3.8
activist**

especially active, vigorous advocate of a cause, especially a political cause

**3.9
area charging
area pricing**

charging based on road usage within a given area

**3.10
asset**

anything that has value to a stakeholder

**3.11
assurance requirement**

security requirements to assure confidence in the implementation of *functional requirements* (3.91)

**3.12
attestation**

issue of a statement, based on a decision that fulfilment of *specified requirements* (3.181) has been demonstrated

Note 1 to entry: The resulting statement, referred to in this document as a “statement of conformity”, is intended to convey the assurance that the specified requirements have been fulfilled. Such an assurance does not, of itself, afford contractual or other legal guarantees.

**3.13
attack**

attempt to destroy, expose, alter, disable, steal or gain unauthorized access to or make unauthorized use of an *asset* (3.10)

**3.14
attribute**

addressable package of data consisting of a single *data element* (3.57) or structured sequences of data elements

**3.15
audit**

independent review and examination in order to ensure compliance with established *policy* (3.147) and operational procedures

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3.16

authentication

security mechanism allowing *verification* ([3.240](#)) of the provided identity

3.17

authenticator

data, possibly encrypted, that is used for *authentication* ([3.16](#))

3.18

authenticity

property that an entity is what it claims to be

3.19

automated number plate recognition

ANPR

technology to automatically read vehicle registration plates

Note 1 to entry: A vehicle registration plate typically contains the indicator or the code of the country that issued the vehicle registration plate.

Note 2 to entry: Optical character recognition techniques are typically part of the technology associated with automated number plate recognition.

3.20

autonomous EFC system

EFC system ([3.73](#)) which is able to obtain usage data using *on-board equipment* ([3.132](#)) independent from *roadside equipment (RSE)* ([3.166](#))

3.21

availability

property of being accessible and useable upon demand by an authorized entity

3.22

average relative charging error

ratio between the sum of computed charges (measurement) associated to a set of vehicles during a certain period of time and the actual charge due (reference) minus 1 [3-2:2025](#)

3.23

back end

part of a back-office system interfacing to one or more *front ends* ([3.90](#)) or other *back ends* ([3.23](#))

3.24

base standard

approved International Standard, Technical Specification or ITU-T Recommendation

Note 1 to entry: This includes but is not limited to approved standard deliverables from ISO, ITU, CEN, CENELEC, ETSI and IEEE.

3.25

big-endian

format for transmission of binary data in which the most significant byte appears first

3.26

billing detail

information needed to determine or verify the amount due for the usage of a given service

3.27

block list

list of users for which the service provider denies contractual responsibility

Note 1 to entry: The previously used term was “black list” in the ISO/TS 17573-2:2020 is deprecated and has been replaced with the term above.