



**International
Standard**

ISO 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

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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.

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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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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).

This first edition of ISO 17573-2 cancels and replaces ISO/TS 17573-2:2020, which has been technically revised.

The main changes are as follows:

- conversion of this document from a technical specification to an international standard;
- several new terms (e.g. mode of transport, true positive and negative events) have been added.

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.

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 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. Experiences were also drawn from more general work done on terminology, in particular from the work on the Nordic ITS terminology.^[30]

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 or deletion of deprecated terms.

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.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminology 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 *toll* (3.198) charge value and the value as determined by a reference system

Note 1 to entry: Positive error means that the measurement exceeds the value determined by a reference system.

3.2

acceptance testing

examination that a product, process or service is in conformity with its 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

3.4

access credentials

AC-CR

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