



SLOVENSKI STANDARD SIST EN ISO 24534-3:2010

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Nadomešča:

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Avtomatična identifikacija vozil in opreme - Elektronska identifikacija registracije (ERI) za vozila - 3. del: Podatki o vozilu (ISO 24534-3:2010)

Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 3: Vehicle data (ISO 24534-3:2010)

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Identification automatique des véhicules et des équipements - Identification d'enregistrement électronique (ERI) pour les véhicules - Partie 3: Données du véhicule (ISO 24534-3:2010) <https://standards.iteh.ai/catalog/standards/sist/143cf959-da3b-4d96-ac95-4782094ef077/sist-en-iso-24534-3-2010>

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03.220.20	Cestni transport	Road transport
35.240.60	Uporabniške rešitve IT v transportu in trgovini	IT applications in transport and trade

SIST EN ISO 24534-3:2010 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

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July 2010

ICS 35.240.60; 03.220.20

Supersedes CEN ISO/TS 24534-3:2008

English Version

**Automatic vehicle and equipment identification - Electronic
Registration Identification (ERI) for vehicles - Part 3: Vehicle
data (ISO 24534-3:2010)**

Identification automatique des véhicules et des
équipements - Identification d'enregistrement électronique
(ERI) pour les véhicules - Partie 3: Données du véhicule
(ISO 24534-3:2010)

This European Standard was approved by CEN on 16 June 2010.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Contents

Page

Foreword.....3

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SIST EN ISO 24534-3:2010
<https://standards.iteh.ai/catalog/standards/sist/143cf959-da3b-4d96-ac95-4782094ef077/sist-en-iso-24534-3-2010>

Foreword

This document (EN ISO 24534-3:2010) 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".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2011, and conflicting national standards shall be withdrawn at the latest by January 2011.

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 ISO/TS 24534-3:2008.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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The text of ISO 24534-3:2010 has been approved by CEN as a EN ISO 24534-3:2010 without any modification.

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INTERNATIONAL
STANDARD

ISO
24534-3

First edition
2010-07-15

**Automatic vehicle and equipment
identification — Electronic registration
identification (ERI) for vehicles —**

**Part 3:
Vehicle data**

iTeh STANDARD PREVIEW
*Identification automatique des véhicules et des équipements —
Identification d'enregistrement électronique (ERI) pour les véhicules —
Partie 3: Données du véhicule*
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Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Normative references	2
3 Terms and definitions	2
4 Abbreviations.....	3
5 Requirements.....	3
5.1 Vehicle identification data	3
5.2 The vehicle identifier.....	4
5.3 The ERI data type	5
5.4 The additional ERI data type	5
5.5 Additional ERI registration data.....	6
5.6 Encoding	20
Annex A (normative) ASN.1 module	21
Annex B (informative) Combined ERI data and local registrations	27
Bibliography.....	31

[SIST EN ISO 24534-3:2010](https://standards.itech.ai/catalog/standards/sist/143cf959-da3b-4d96-ac95-4782094ef077/sist-en-iso-24534-3-2010)
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ISO 24534-3:2010(E)

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 24534-3 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).

This first edition of ISO 24534-3 cancels and replaces ISO/TS 24534-3:2008, which has been technically revised.

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ISO 24534 consists of the following parts, under the general title *Automatic vehicle and equipment identification — Electronic registration identification (ERI) for vehicles*:

- *Part 1: Architecture*
- *Part 2: Operational requirements*
- *Part 3: Vehicle data*
- *Part 4: Secure communications using asymmetrical techniques*
- *Part 5: Secure communications using symmetrical techniques*

Introduction

A quickly emerging need has been identified with administrations to improve the unique identification of vehicles for a variety of services. Situations are already occurring where manufacturers intend to fit lifetime tags to vehicles. Various governments are considering the needs and benefits of electronic registration identification (ERI) as a legal proof of vehicle identity with potential mandatory uses. There is commercial and economic justification in respect of both tags and infrastructure that a standard enables an interoperable solution.

ERI is a means of uniquely identifying road vehicles. The application of ERI will offer significant benefits over existing techniques for vehicle identification. It will be a suitable tool for the future management and administration of traffic and transport, including applications in free-flow, multi-lane traffic conditions with the capability to support mobile transactions. ERI addresses the need of authorities and other road users for a trusted electronic identification, including roaming vehicles.

This part of ISO 24534 specifies the vehicle-related data that can be exchanged between an onboard electronic registration tag (ERT) and an ERI reader/writer inside or outside the vehicle. The vehicle-related data consists of the vehicle identifier and might also include additional vehicle data as typically included in a vehicle registration certificate.

This part of ISO 24534 does not provide any accurate definitions for additional vehicle data items; this is left to the local registration authorities and/or local legislation. This part of ISO 24534 only provides the means for an unambiguous exchange of vehicle parameters registered by local registration authorities.

This part of ISO 24534 makes use of the basic automatic vehicle identification (AVI) definitions in ISO 14816.

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Automatic vehicle and equipment identification — Electronic registration identification (ERI) for vehicles —

Part 3: Vehicle data

1 Scope

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are based on an identifier assigned to a vehicle (e.g. for recognition by national authorities) suitable to be used for:

- electronic identification of local and foreign vehicles by national authorities;
- vehicle manufacturing, in-life maintenance and end-of-life identification (vehicle life cycle management);
- adaptation of vehicle data (e.g. for international resales);
- safety-related purposes;
- crime reduction;
- commercial services.

It adheres to privacy and data protection regulations.

This part of ISO 24534 defines the vehicle identification data. This data is called the ERI data and includes

- the vehicle identifier, and
- possible additional vehicle-related information (as typically included in a vehicle registration certificate).

All additional vehicle data elements are defined as optional. It is left to local legislation and/or the discretion of a registration authority to use or not to use a particular data element. If used, the value is assumed to be the one registered by the registration authority in accordance with local legislation. This part of ISO 24534 only provides the syntax for all these data elements.

NOTE The secure application layer interfaces for the exchange of ERI data with an ERI reader or writer are specified in ISO 24534-4 and ISO 24534-5.