

Institut luxembourgeois de la normalisation de l'accréditation, de la sécurité et qualité des produits et services

ILNAS-EN ISO 24534-3:2016

Intelligent transport systems -Automatic vehicle and equipment identification - Electronic registration identification (ERI) for vehicles - Part

Intelligente Verkehrssysteme -Automatische Identifizierung von Fahrzeugen und Ausrüstungen -Elektronische Identifizierung für die

Systèmes de transport intelligents -Identification automatique des véhicules et des équipements - Identification d'enregistrement électronique (ERI) pour

01011010010 0011010010110100101010101111

National Foreword

This European Standard EN ISO 24534-3:2016 was adopted as Luxembourgish Standard ILNAS-EN ISO 24534-3:2016.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

EUROPEAN STANDARD LILNAS-EN ISO 24534-3:20 ISO 24534-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2016

ICS 03.220.20; 35.240.60

Supersedes EN ISO 24534-3:2010

English Version

Intelligent transport systems - Automatic vehicle and equipment identification - Electronic registration identification (ERI) for vehicles - Part 3: Vehicle data (ISO 24534-3:2016)

Systèmes de transport intelligents - Identification automatique des véhicules et des équipements - Identification d'enregistrement électronique (ERI) pour les véhicules - Partie 3: Données du véhicule (ISO 24534-3:2016)

Automatische Identifizierung von Fahrzeugen und Ausrüstungen - Elektronische Identifizierung für die Registrierung (ERI) von Fahrzeugen - Teil 3: Fahrzeugdaten (ISO 24534-3:2016)

This European Standard was approved by CEN on 4 March 2016.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword	3

European foreword

This document (EN ISO 24534-3:2016) has been prepared by Technical Committee ISO/TC 204 "Intelligent transport systems" in collaboration with Technical Committee CEN/TC 278 "Intelligent transport systems" the secretariat of which is held by NEN.

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 October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

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 EN ISO 24534-3:2010.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 24534-3:2016 has been approved by CEN as EN ISO 24534-3:2016 without any modification.

ILYNTERNATIONAL STANDARD

ISO 24534-3

Second edition 2016-04-01

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

Part 3: **Vehicle data**

Systèmes de transport intelligents — Identification automatique des véhicules et des équipements — Identification d'enregistrement électronique (ERI) pour les véhicules —

Partie 3: Données du véhicule





COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Ch. de Blandonnet 8 • CP 401 CH-1214 Vernier, Geneva, Switzerland Tel. +41 22 749 01 11 Fax +41 22 749 09 47 copyright@iso.org www.iso.org

Contents			Page
Fore	word		iv
Intro	ductio	on	v
1	Scon	oe	1
_	•	native references	
2			
3	Tern	ns and definitions	2
4	Abbi	reviations	3
5	Rea	uirements	3
	5.1	Vehicle identification data	
	5.2	Vehicle identifier	
	5.3	ERI data type	
	5.4	Additional ERI data type	5
	5.5	Additional ERI registration data	5
		5.5.1 Additional ERI registration data type	
		5.5.2 Administrative types	
		5.5.3 EU vehicle category code type	
		5.5.4 Other Vehicle type types	
		5.5.5 ISO 3833 vehicle type	
		5.5.6 Other vehicle shape types	
		5.5.7 Number of passenger, axles, and mass types	15
		5.5.8 Engine and power source types	
		5.5.9 Environmental types	
		5.5.10 Official test data type	
		5.5.11 Types used for EFC	
	F (5.5.12 Other types	
5.6	5.6	Attributes	
		5.6.1 Introduction	
		5.6.2 Useful types	
		5.6.4 Information object class ATTRIBUTES	
		5.6.5 Attribute definitions	
	5.7	Encoding	
Δnne		ormative) ASN.1 Modules	
	-	formative) Combined ERI data and local registrations	
		formative) Correspondance with EFC attributes	
	ngranl		56

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 204, *Intelligent transport systems*.

This second edition cancels and replaces the first edition (ISO 2453-3:2010), which has been technically revised.

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.