

Irish Standard I.S. EN ISO 17264:2009&A1:2019

Intelligent transport systems - Automatic vehicle and equipment identification -Interfaces (ISO 17264:2009)

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I.S. EN ISO 17264:2009&A1:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN ISO 17264:2009/A1:2019

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This document is based on: EN ISO 17264:2009 *Published:* 2009-11-15

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National Foreword

I.S. EN ISO 17264:2009&A1:2019 is the adopted Irish version of the European Document EN ISO 17264:2009, Intelligent transport systems - Automatic vehicle and equipment identification - Interfaces (ISO 17264:2009)

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EUROPEAN STANDARD NORME EUROPÉENNE

EN ISO 17264:2009/A1

EUROPÄISCHE NORM

March 2019

ICS 03.220.20; 35.240.60

English Version

Intelligent transport systems - Automatic vehicle and equipment identification - Interfaces - Amendment 1 (ISO 17264:2009/Amd 1:2019)

Systèmes intelligents de transport - Identification automatique des véhicules et de leurs équipements -Interfaces - Amendement 1 (ISO 17264:2009/Amd 1:2019) Intelligente Transportsysteme - Automatische Identifikation von Fahrzeugen und Ausrüstungen -Schnittstellen - Änderung 1 (ISO 17264:2009/Amd 1:2019)

This amendment A1 modifies the European Standard EN ISO 17264:2009; it was approved by CEN on 6 March 2019.

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EN ISO 17264:2009/A1:2019 (E)

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European foreword

This document (EN ISO 17264:2009/A1:2019) 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 Amendment to the European Standard EN ISO 17264:2009 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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The text of ISO 17264:2009/Amd 1:2019 has been approved by CEN as EN ISO 17264:2009/A1:2019 without any modification.

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INTERNATIONAL STANDARD

ISO 17264

First edition 2009-11-15 **AMENDMENT 1** 2019-02

Intelligent transport systems — Automatic vehicle and equipment identification — Interfaces

AMENDMENT 1

Systèmes intelligents de transport — Identification automatique des véhicules et de leurs équipements — Interfaces

AMENDEMENT 1



Reference number ISO 17264:2009/Amd.1:2019(E)



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This document was prepared by Technical Committee ISO/TC 204, Intelligent transport systems.

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EUROPEAN STANDARD

EN ISO 17264

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2009

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English Version

Intelligent transport systems - Automatic vehicle and equipment identification - Interfaces (ISO 17264:2009)

Systèmes intelligents de transport - Identification automatique des véhicules et de leurs équipements -Interfaces (ISO 17264:2009)

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INTERNATIONAL STANDARD

ISO 17264

First edition 2009-11-15

Intelligent transport systems — Automatic vehicle and equipment identification — Interfaces

Systèmes intelligents de transport — Identification automatique des véhicules et de leurs équipements — Interfaces



Reference number ISO 17264:2009(E)

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Foreword

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Introduction

This International Standard provides requirements for interoperable ITS transactions in an "Automatic Vehicle Identification" (AVI), "Automatic Equipment Identification" (AEI) or "Electronic Registration Identification" (ERI) context. An AVI/AEI transaction is based on defined sets of AVI/AEI functions and data attributes as specified in this International Standard.

NOTE The principal definitions of AVI, AEI, ERI are to be found in ISO 14814, ISO 14815, ISO 14816, ISO 17261, ISO/TS 17262, ISO 17263, ISO/TS 24534 (all parts) and ISO 24535.

This International Standard specifies an application interface for AVI/AEI systems, based on standardized air interface protocols enabling interoperability between different AVI/AEI service providers.

In order to achieve full interoperability, AVI/AEI service providers will additionally have to agree on issues such as:

- protocol implementation conformance statements from manufacturers, detailing which optional features in the AVI/AEI transaction and air interface protocol are actually being implemented and used;
- any contractual agreements needed between AVI/AEI service providers in order to regulate the handling of different AVI/AEI transactions.

NOTE The definitions and examples provided in this International Standard may also be used in an ERI context, and those interested in this context are advised to also refer to ISO 24534 (all parts) and ISO 24535.

This International Standard has the following structure:

- Clauses 1 to 5 comprise the Scope, Conformance, Normative references, Terms and definitions, and Abbreviated terms.
- In Clause 6, the AVI/AEI transaction requirements are defined, which are independent of any air interface protocol.
- In Annex A, the AVI/AEI application interface architecture is described in terms of its relation to the DSRC communication architecture, based on EN 12834/ISO 15628.
- In Annex B, the AVI/AEI application interface architecture is described in terms of its relation to the air interfaces defined by the ISO/IEC 18000 series.
- In Annex C, AVI/AEI transaction examples are provided.



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