



NSAI
Standards

Irish Standard
I.S. EN ISO 18542-1:2012

Road vehicles - Standardized repair and maintenance information (RMI) terminology - Part 1: General information and use case definition (ISO 18542-1:2012)

I.S. EN ISO 18542-1:2012

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English Version

**Road vehicles - Standardized repair and maintenance
information (RMI) terminology - Part 1: General information and
use case definition (ISO 18542-1:2012)**

Véhicules routiers - Terminologie normalisée pour
l'information sur la réparation et la maintenance (RMI) -
Partie 1: Informations générales et définition de cas
d'utilisation (ISO 18542-1:2012)

Straßenfahrzeuge - Standardisierte Terminologie für
Reparatur- und Wartungsinformationen (RMI) - Teil 1:
Allgemeine Informationen und Beschreibung der
Anwendungsfälle (ISO 18542-1:2012)

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Foreword

This document (EN ISO 18542-1:2012) has been prepared by Technical Committee CEN/TC 301 "Road vehicles", the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 22 "Road vehicles".

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of an identical text or by endorsement, at the latest by June 2013, and conflicting national standards shall be withdrawn at the latest by June 2013.

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.

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INTERNATIONAL
STANDARD

ISO
18542-1

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**Road vehicles — Standardized repair
and maintenance information (RMI)
terminology —**

Part 1:
**General information and use case
definition**

*Véhicules routiers — Terminologie normalisée pour l'information sur
la réparation et la maintenance (RMI) —*

Partie 1: Informations générales et définition de cas d'utilisation



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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.

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 18542-1 was prepared by Technical Committee CEN/CENELEC/TC 301, *Road vehicles* in collaboration with Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

ISO 18542 consists of the following parts, under the general title *Road vehicles — Standardized repair and maintenance information (RMI) terminology*:

- *Part 1: General information and use case definition*
- *Part 2: Standardized process implementation requirements, Registration Authority*

Introduction

ISO 18542 includes the requirements to be fulfilled by repair and maintenance information (RMI) systems as applied by the:

EUROPEAN COMMISSION - ENTERPRISE AND INDUSTRY DIRECTORATE-GENERAL, Consumer goods - Automotive industry EC mandate M/421 [3]

“MANDATE TO THE EUROPEAN STANDARDIZATION ORGANISATIONS FOR STANDARDIZATION IN THE FIELD OF VEHICLE OBD, REPAIR AND MAINTENANCE INFORMATION”

dated Brussels, 21 January 2008.

This mandate relates to the EC type-approval system for vehicles falling into the scopes of Directives 2002/24/EC [5], 2003/37/EC [6] and 2007/46/EC [7], and, in particular, to requirements for access to vehicle repair and maintenance information by independent operators.

At this time, ISO 18542 only covers the terminology for access to automotive repair and maintenance information for light passenger and commercial vehicles¹⁾ based on Directive 2007/46/EC [7].

The purpose of the EC Mandate M/421 [3] is to develop a standard or set of standards which specify the requirements to provide “standardized access to repair and maintenance information (RMI)” for independent operators.

The information included in this part of ISO 18542 derives from the legislative requirements at a European level in the field of repair and maintenance information and related security requirements and can be referenced by legislation in other countries.

It is related to the following future International Standards:

- ISO 18542-2, *Road vehicles — Standardized repair and maintenance information (RMI) terminology — Part 2: Standardized process implementation requirements, Registration Authority*, which defines the process implementation requirements for a terminology management system and for a Registration Authority with a digital annex;
- ISO 18541-1, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 1: General information and use case definition*, which describes the requirements for the vehicle manufacturer (VM) repair and maintenance information (RMI) systems;
- ISO 18541-2, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 2: Technical requirements*;
- ISO 18541-3, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 3: Functional user interface requirements*;
- ISO 18541-4, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 4: Conformance test*.

The purpose of the standardized automotive terminology is to facilitate searching for RMI in the VM RMI systems.

1) REGULATION (EC) No 715/2007 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2007 on type approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information [7] and COMMISSION REGULATION (EC) No 692/2008 of 18 July 2008 implementing and amending Regulation (EC) No 715/2007 of the European Parliament and of the Council on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information [8] and amending COMMISSION REGULATION (EU) No 566/2011 of 8 June 2011 amending Regulation (EC) No 715/2007 of the European Parliament and of the Council and Commission Regulation (EC) No 692/2008 as regards access to vehicle repair and maintenance information.

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The information packages that are to be searched using the standardized terminology are described in this part of ISO 18542. Not all of the use cases and information types described in this part of ISO 18542 are pertinent; rather a subset is applicable to this standard.

This subset concerns the searching of the terms described in UC 4.2 according to ISO 18541-1 of the following information package types:

- Workshop Procedures (UC 5.1);
- Wiring Diagrams (UC 5.2);
- Technical Service Bulletins (UC 5.3).

Road vehicles — Standardized repair and maintenance information (RMI) terminology —

Part 1: General information and use case definition

1 Scope

ISO 18542 is structured in two parts:

- This part of ISO 18542 defines a framework and a process for agreeing terms.
- Part 2 defines the process implementation requirements for a terminology management system and for a Registration Authority with a digital annex.

The basic purpose of ISO 18542 is to facilitate searching of vehicle manufacturer (VM) repair and maintenance information (RMI) websites by independent operators (IOs).

This part of ISO 18542 provides a general overview and structure of each part of ISO 18542. It also specifies use cases related to repair and maintenance information (RMI) terminology in order to standardize the access to RMI for IOs.

The provision of the agreed automotive RMI terminology itself is outside the remit of ISO 18542 and therefore outside the scope of this part of ISO 18542. Rather, it is foreseen that the agreed automotive RMI terminology will follow a lifecycle beyond the timeframe of ISO 18542. It will be dependent upon the work of a Registration Authority, a Terminology Review Group for its creation and management, and of a digital annex for its publication. For the development of the digital annex, existing standards will be reviewed and elements included where appropriate and practical.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 18541-1, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 1: General information and use case definition*

ISO 18541-2, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 2: Technical requirements*

ISO 18542-2, *Road vehicles — Standardized repair and maintenance information (RMI) terminology — Part 2: Standardized process implementation requirements, Registration Authority*

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