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Road vehicles - Standardized access to automotive repair and maintenance information (RMI) - Part 5: Heavy duty specific provision (ISO 18541-5:2018)

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# Road vehicles - Standardized access to automotive repair and maintenance information (RMI) - Part 5: Heavy duty specific provision (ISO 18541-5:2018)

Véhicules routiers - Normalisation de l'accès aux informations relatives à la réparation et à la maintenance pour l'automobile (RMI) - Partie 5: Dispositions particulières pour les véhicules utilitaires lourds (ISO 18541-5:2018)

Straßenfahrzeuge - Standardisierter Zugang zur Reparatur und Wartungsinformationen (RMI) - Teil 5: Spezifische Anforderungen an den Schwerlastverkehr (ISO 18541-5:2018)

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This document (EN ISO 18541-5:2018) has been prepared by Technical Committee ISO/TC 22 "Road vehicles" in collaboration with Technical Committee CEN/TC 301 “Road vehicles” the secretariat of which is held by AFNOR.

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# Road vehicles — Standardized access to automotive repair and maintenance information (RMI) —

## Part 5: Heavy duty specific provision

*Véhicules routiers — Normalisation de l'accès aux informations relatives à la réparation et à la maintenance pour l'automobile (RMI) —*

*Partie 5: Dispositions particulières pour les véhicules utilitaires lourds*

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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.

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This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 301, *Road* vehicles in collaboration with ISO/TC 22, *Road vehicles*, Subcommittee SC 31, *Data communication*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 18541 series can be found on the ISO website.

# Introduction

This set of standards 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[1]

"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 2007/46/EC[4], 2002/24/EC[2], 2003/37/EC[3] and, in particular, to requirements for access to vehicle repair and maintenance information by independent operators.

The ISO 18541 series covers the access to automotive repair and maintenance information for light passenger and commercial vehicles[1)] and heavy duty vehicles[2)] based on Directive 2007/46/EC[4].

The purpose of the EC Mandate M/421[1] 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 document derives from the legislative requirements on European level in the field of repair and maintenance information and related security requirements and can be referenced by legislation in other countries.

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[5], 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[6] and COMMISSION REGULATION (EC) No 566/2011 of 08 June 2011 implementing and amending Regulations (EC) No 715/2007 and (EC) 692/2008 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[6].

2) REGULATION (EC) No 595/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 June 2009 on type-approval of motor vehicles with respect to emissions from heavy duty vehicles (Euro VI) and on access to vehicle repair and maintenance information[8], COMMISSION REGULATION (EU) No 582/2011 of 25 May 2011[9]. implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI), and COMMISSION REGULATION (EU) No 64/2012 of 23 January 2012[10] amending Regulation (EU) No 582/2011 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI).

**INTERNATIONAL STANDARD** **ISO 18541-5:2018(E)**

# Road vehicles — Standardized access to automotive repair and maintenance information (RMI) —

# Part 5:
# Heavy duty specific provision

## 1 Scope

This document focus on the access to automotive repair and maintenance information for

— heavy duty motor vehicles as defined in regulation (EC) 595/2009 Article 2;

— engines and after-treatment systems (family) if they are type-approved as a separate technical unit, e.g. according to Directive 2007/46/EC.

This document includes a transposition of the standards ISO 18541-1:2014, ISO 18541-2:2014, ISO 18541-3:2014, and ISO 18541-4:2015 to these vehicle types and systems. The standards ISO 18541-1:2014, ISO 18541-2:2014, ISO 18541-3:2014, and ISO 18541-4:2015 focus on the access to automotive repair and maintenance information for passenger cars and light commercial vehicles.

Remote Diagnostic Support is a specific requirement for Access to RMI for heavy duty vehicles. It will be addressed separately in a future standard.

The standardized RMI terminology is contained in a 'Digital Annex' developed and maintained according to the complementary standard ISO 18542.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 18541-1:2014, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 1: General information and use case definition*

ISO 18541-2:2014, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 2: Technical requirements*

ISO 18541-3:2014, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 3: Functional user interface requirements*

ISO 18541-4:2015, *Road vehicles — Standardized access to automotive repair and maintenance information (RMI) — Part 4: Conformance test*

ISO 18542 (all parts), *Road vehicles — Standardized repair and maintenance information (RMI) terminology*

TMC RP1210B. *Recommended practice*



 