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

EESTI STANDARDI EESSÕNA

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ICS 43.040.15; 43.180

English Version

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

Véhicules routiers - Normalisation de l'accès aux
informations relatives à la réparation et à la maintenance
pour l'automobile (RMI) - Partie 2: Exigences techniques
(ISO 18541-2:2014)

Straßenfahrzeuge - Standardisierter Zugang zur Reparatur
und Wartung (RMI) - Teil 2: Technische Anforderungen
(ISO 18541-2:2014)

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Foreword

This document (EN ISO 18541-2:2014) 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.

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of an identical text or by endorsement, at the latest by March 2015, and conflicting national standards shall be withdrawn at the latest by March 2015.

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Endorsement notice

The text of ISO 18541-2:2014 has been approved by CEN as EN ISO 18541-2:2014 without any modification.

Contents

Page

Foreword.....	v
Introduction.....	vi
1 Scope.....	1
2 Normative references.....	1
3 Terms, definitions, symbols and abbreviated terms.....	1
3.1 Terms and definitions.....	1
3.2 Abbreviated terms.....	2
4 Conventions.....	3
5 Requirements overview and principles.....	3
5.1 Basic principles for requirements definition.....	3
5.2 Requirements clustering.....	3
6 Requirements cluster 1 — Access-related data administration.....	7
6.1 [TREQ-1] General access-related data administration.....	7
6.2 [TREQ-2], [TREQ-3] Administration of IO and IO employee data by the VM.....	7
6.3 [TREQ-4] Administration of payment data by the VM.....	8
6.4 [TREQ-5] Administration of access event data by the VM.....	9
6.5 [TREQ-6] Administration of access event data to security-related RMI by the VM.....	9
7 Requirements cluster 2 — IT architecture.....	10
7.1 [TREQ-7] Conceptual architecture.....	10
7.2 [TREQ-8] Implementation principles.....	12
8 Requirements cluster 3 — External interfaces.....	15
8.1 [TREQ-9] Vehicle communication interface (VCI).....	15
8.2 [TREQ-10] Trust centre (certificate management).....	19
8.3 [TREQ-11] Parts ordering for security-related features.....	19
8.4 [TREQ-12] Partnered accessory provider systems.....	19
9 Requirements cluster 4 — Technical infrastructure.....	20
9.1 [TREQ-13] Type of device.....	20
9.2 [TREQ-14] Hardware features.....	20
9.3 [TREQ-15] Operating systems.....	20
9.4 [TREQ-16] Web browsers.....	20
9.5 [TREQ-17] Presentation formats for information packages.....	21
9.6 [TREQ-18] Internet connection.....	21
9.7 [TREQ-19] Performance of the VM RMI system.....	21
10 Requirements cluster 5 — Co-existence of VM software on IO client.....	22
10.1 [TREQ-20] Requirements for installing VM-specific software on the IO client.....	22
10.2 [TREQ-21] Requirements for updating of installed VM data and applications on the IO client.....	23
10.3 [TREQ-22] Requirements for the operation of VM-specific software on the IO client.....	23
10.4 [TREQ-23] Requirements for the uninstalling of VM-specific software on the IO client.....	24
10.5 [TREQ-24] Requirements for restoring in case of an abnormal termination of the VM-specific software on the IO client.....	24
11 Requirements cluster 6 — Operations.....	25
11.1 [TREQ-25] VM RMI system availability time.....	25
11.2 [TREQ-26] Support for the usage of the VM RMI system.....	25
11.3 [TREQ-27] Operation of the IO PC.....	26
12 Requirements cluster 7 — Functional user interface.....	26
12.1 [TREQ-28] Functional user interface.....	26
Annex A (informative) PC specification.....	28

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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,^[5] dated Brussels, 21 January 2008.

This mandate relates to the EC type-approval system for vehicles falling into the scopes of Directives 70/156/EEC (replaced by 2007/46/EC^[8]), 2002/24/EC^[6] and 2003/37/EC^[7] and, in particular, to requirements for access to vehicle repair and maintenance information by independent operators.

This International Standard only covers access to automotive repair and maintenance information for light passenger and commercial vehicles (see NOTE 1) and heavy duty vehicles (see NOTE 2) based on Directive 70/156/EEC (replaced by 2007/46/EC^[8]).

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

The information included in this part of ISO 18541 derives from the legislative requirements on European level in the field of RMI and related security requirements and can be referenced by legislation in other countries.

NOTE 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 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 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.

NOTE 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, Commission Regulation (EU) No 582/2011 of 25 May 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), and Commission Regulation (EU) No 64/2012 of 23 January 2012 amending Regulation (EU) No 582/2011 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).

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

Part 2: Technical requirements

1 Scope

This part of ISO 18541 includes technical requirements which are related to automotive repair and maintenance information (RMI) systems in order to standardize access to RMI for independent operators.

This part of ISO 18541 specifies the minimum set of technical requirements related to a vehicle manufacturer's RMI system. These requirements will reflect the deriving needs from the use cases as specified in ISO 18541-1.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 RMI — Part 1: General information and use case definition*

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

ISO 22900-2, *Road vehicles — Modular vehicle communication interface (MVIC) — Part 2: Diagnostic protocol data unit application programming interface (D-PDU API)*

SAE J2534-1, *Recommended Practice for Pass-Thru Vehicle Programming*

SAE J2534-2, *Optional Pass-Thru Features*

3 Terms, definitions, symbols and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 18541-1 apply.