

DIN EN ISO 18541-2:2021-10 (E)

Road vehicles - Standardized access to automotive repair and maintenance information (RMI) - Part 2: Technical requirements (ISO 18541-2:2021)

Contents		Page
European foreword		4
Foreword		5
Introduction		6
1	Scope	7
2	Normative references	7
3	Terms and definitions	7
4	Abbreviated terms	8
5	Requirements overview and principles	8
5.1	Basic principles for requirements definition	8
5.2	Requirements clustering	9
6	Requirements cluster 1 -- Access-related data administration	12
6.1	[TREQ-1] General access-related data administration	12
6.2	[TREQ-2], [TREQ-3] Administration of IO and IO employee data by the VM	12
6.2.1	[TREQ-2] Administration of IO data by the VM	12
6.2.2	[TREQ-3] Administration of IO employee data by the VM	13
6.3	[TREQ-4] Administration of payment data by the VM	13
6.4	[TREQ-5] Administration of access event data by the VM	14
6.5	[TREQ-6] Administration of access event data to security-related RMI by the VM	14
7	Requirements cluster 2 -- IT architecture	15
7.1	[TREQ-7] Conceptual architecture	15
7.2	[TREQ-8] Implementation principles	16
8	Requirements cluster 3 -- External interfaces	20
8.1	[TREQ-9] Vehicle communication interface (VCI)	20
8.2	[TREQ-10] Trust centre (certificate management)	23
8.3	[TREQ-11] Parts ordering for security-related features	23
8.4	[TREQ-12] Partnered accessory provider systems	24
9	Requirements cluster 4 -- Technical infrastructure	24
9.1	[TREQ-13] Type of device	24
9.2	[TREQ-14] PC requirements	24
9.3	[TREQ-15] Operating systems	25
9.4	[TREQ-16] Web browsers	25
9.5	[TREQ-17] Presentation formats for information packages	25
9.6	[TREQ-18] Internet connection	26
9.7	[TREQ-19] Performance of the VM RMI system	26
10	Requirements cluster 5 -- Co-existence of VM software on IO client	26
10.1	[TREQ-20] Requirements for installing VM-specific software on the IO client	26
10.2	[TREQ-21] Requirements for updating of installed VM data and applications on the IO client	27
10.3	[TREQ-22] Requirements for the operation of VM-specific software on the IO client	28

10.4	[TREQ-23] Requirements for the uninstalling of VM-specific software on the IO client	28
10.5	[TREQ-24] Requirements for restoring in case of an abnormal termination of the VM-specific software on the IO client	29
11	Requirements cluster 6 -- Operations	29
11.1	[TREQ-25] VM RMI system availability time	29
11.2	[TREQ-26] Support for the usage of the VM RMI system	30
11.3	[TREQ-27] Operation of the IO PC	30
12	Requirements cluster 7 -- [TREQ-28] Functional user interface	31
Annex A (normative) Requirements for access to security-related RMI according to SERMI scheme		32
Bibliography		37