

ISO 13209-3:2012-08 (E)

Road vehicles - Open Test sequence eXchange format (OTX) - Part 3: Standard extensions and requirements

Contents		Page
Foreword		vi
Introduction		vii
1	Scope	1
2	Normative references	1
3	Terms, definitions and abbreviated terms	2
3.1	Terms and definitions	2
3.2	Abbreviated terms	2
4	Requirements	3
4.1	Basic principles for requirements definition	3
4.2	Requirement priorities	3
4.3	Requirement listing	4
5	Extension overview	7
5.1	General	7
5.2	Dependencies	7
5.3	Basic characteristics of the OTX extensions	8
6	OTX DateTime extension	10
6.1	Introduction	10
6.2	Terms	10
7	OTX DiagCom extension	13
7.1	Introduction	13
7.2	General considerations	13
7.3	Data types	21
7.4	Exceptions	24
7.5	Variable access	26
7.6	Actions	27
7.7	Terms	42
8	OTX DiagDataBrowsing extension	67
8.1	Introduction	67
8.2	Data types	67
8.3	Variable access	69
8.4	Terms	69
9	OTX EventHandling extension	74
9.1	Introduction	74
9.2	Data types	74
9.3	Variable access	76
9.4	Actions	76
9.5	Terms	78
10	OTX Flash extension	85
10.1	Introduction	85
10.2	Data types	86

10.3	Exceptions	88
10.4	Variable access	89
10.5	Actions	89
10.6	Terms	92
11	OTX HMI extension	113
11.1	Introduction	113
11.2	Data types	116
11.3	Exceptions	118
11.4	Variable access	119
11.5	Actions	119
11.6	Terms	130
11.7	Signatures	134
12	OTX i18n extension	137
12.1	Introduction	137
12.2	Data types	137
12.3	Exceptions	138
12.4	Variable access	139
12.5	Terms	139
13	OTX Job extension	147
13.1	Introduction	147
13.2	Exceptions	147
13.3	Actions	148
13.4	Terms	153
13.5	Standard signature definitions	157
14	OTX Logging extension	160
14.1	Introduction	160
14.2	Data types	161
14.3	Variable access	162
14.4	Actions	163
14.5	Terms	165
15	OTX Math extension	167
15.1	Introduction	167
15.2	Terms	167
16	OTX Measure extension	170
16.1	Introduction	170
16.2	Data types	170
16.3	Exceptions	171
16.4	Variable access	172
16.5	Signatures	172
16.6	Actions	175
16.7	Terms	177
17	OTX Quantities extension	183
17.1	Introduction	183
17.2	Data types	185
17.3	Exceptions	187
17.4	Variable access	188
17.5	Terms	188
18	OTX StringUtil extension	196
18.1	Introduction	196
18.2	Data types	196
18.3	Exceptions	197
18.4	Variable access	198
18.5	Terms	198

Annex A (normative) Comprehensive checker rule listing	205
Annex B (normative) OTX DiagCom extension data type mappings	208
Annex C (normative) OTX DiagMetaData auxiliary for the OTX DiagCom extension	210
Annex D (normative) OTX standard signature documents	214
Annex E (informative) Test sequence examples	215
Annex F (informative) OTX DiagComRaw extension for resource-restrained systems	218
Annex G (normative) XML Schemas	231
Bibliography	278