

ISO 21111-11:2021-12 (E)

Road vehicles - In-vehicle Ethernet - Part 11: Application layer to session layer conformance test plans

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	1
4.1	Symbols	1
4.2	Abbreviated terms	2
5	Conventions	3
6	CTP test system set-up and CTC structure	3
6.1	General	3
6.2	Test system set-up	3
6.3	CTC definition	4
6.4	Terminology used in CTCs	5
6.5	IUT prerequisites - TCP/IP TestStub	6
6.5.1	General	6
6.5.2	TCP/IP TestStub methods (service primitives)	6
6.5.3	Result codes	6
6.6	IUT prerequisites - SOME/IP TestStub	7
6.6.1	General	7
6.6.2	SOME/IP TestStub methods	7
6.6.3	SOME/IP TestStub events and fields	14
6.6.4	ETS service interface description	16
7	Application, presentation, and session layers CTCs	20
7.1	AL - SOME/IP	20
7.1.1	General	20
7.1.2	Referenced specification	20
7.1.3	Test system topology - AL - SOME/IP, serialisation, and service discovery	20
7.1.4	Test system topology and related CTC configuration	21
7.1.5	SOME/IP parameters used in CTCs	21
7.1.6	SOME/IP server CTCs	23
7.1.7	SOME/IP ETS CTCs	128
7.2	SL - Dynamic host configuration protocol version 4 (DHCPv4) client	213
7.2.1	General	213
7.2.2	Referenced specification	213
7.2.3	Test system topology - SL - DHCPv4 client	213
7.2.4	Test system topology with two interfaces in the IUT	214
7.2.5	Test system topology and related CTC configuration	215
7.2.6	DHCPv4 parameters and constants used in CTCs	215
7.2.7	DHCPv4 client CTCs	217
Bibliography		255