

# ISO 21111-11:2021-12 (E)

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

---

<b>Contents</b>		<b>Page</b>
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