

ISO 21806-3:2020 (E)

Road vehicles — Media Oriented Systems Transport (MOST) — Part 3: Application layer conformance test plan

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Symbols and abbreviated terms
4.1	Symbols
4.2	Abbreviated terms
5	Conventions
6	CTP overview
6.1	Test set-up
6.2	Conformance test plan organisation
7	CTP general information
7.1	CTC remarks
7.1.1	Timer naming
7.1.2	Deadlock prevention
7.1.3	Un-initialised logical node address
7.1.4	Addresses of MOST nodes in the LT
7.1.5	Device manufacturer information list
7.1.6	States of the node that contains the IUT
7.1.7	Procedures
7.1.8	Violation of prerequisites of the CTC
7.2	CTC items
7.2.1	FBlock EnhancedTestability
7.2.2	Multi-node devices
7.2.3	Node kinds excluded from conformance testing
8	CTC specification
8.1	Static FBlock behaviour
8.1.1	CTC_2.1.0-1 – Generic FBlock property test
8.1.2	CTC_2.1.0-2 – Generic FBlock method test
8.2	Power management
8.2.1	Power management – PowerMaster
8.2.1.1	CTC_2.3.1-3 – Timeout execute/timeout suspend test
8.2.1.2	CTC_2.3.1-6 – Timeout suspend test
8.2.2	Power management – PowerSlave
8.2.2.1	CTC_2.3.2-2 – Shutdown.Start(Query) test
8.2.2.2	CTC_2.3.2-3 – Shutdown.Start(Execute) test
8.3	Error management
8.3.1	CTC_2.4.1-2 – Restart continue test
8.3.2	CTC_2.4.1-9 – Reaction on network change event test
8.4	Central registry
8.4.1	Central registry handling (NetworkMaster)
8.4.1.1	CTC_2.6.2-1 – FBlock polling test
8.4.1.2	CTC_2.6.2-3a – Device ignore test (a)

- 8.4.1.3 CTC_2.6.2-3b – Device ignore test (b)
- 8.4.1.4 CTC_2.6.2-4a – Device integration test (a)
- 8.4.1.5 CTC_2.6.2-4b – Device integration test (b)
- 8.4.1.6 CTC_2.6.2-4c – Device integration test (c)
- 8.4.1.7 CTC_2.6.2-5 – Config(OK) delay test
- 8.4.1.8 CTC_2.6.2-6 – Double FBlock test
- 8.4.1.9 CTC_2.6.2-7 – Config(New) order test
- 8.4.1.10 CTC_2.6.3-1 – FBlock status change detection test
- 8.4.2 Central registry handling test (NetworkSlave)
- 8.4.2.1 CTC_2.6.4-1 – Address initialisation test
- 8.4.2.2 CTC_2.6.4-3 – NetworkMaster address storage test
- 8.4.2.3 CTC_2.6.4-4 – Address reinitialisation test
- 8.4.2.4 CTC_2.6.4-8 – FBlock response test
- 8.4.3 CTC_2.6.4-10 – InstID wildcard test
- 8.5 CTC_2.7-1 – Node addressing test
- 8.6 Notification matrix test
- 8.6.1 CTC_2.8.3-1a – Notification matrix storage test (NetworkMaster)
- 8.6.2 CTC_2.8.3-1b – Notification matrix storage test (NetworkSlave)
- 8.6.3 CTC_2.8.3-2 – NotificationCheck test
- 8.6.4 CTC_2.8.3-7 – Notification matrix double entry test
- 8.6.5 CTC_2.8.3-10 – Notification error test
- 8.7 CTC_3.0-1 – TEST_GSI_GSO_Identification
- 8.8 Obligatory tests for sink and source MOST devices
- 8.8.1 General
- 8.8.2 Sink MOST devices
- 8.8.2.1 CTC_3.1-1 – TEST_GSI_SinkInfo
- 8.8.2.2 CTC_3.1-3 – TEST_GSI_Connect
- 8.8.2.3 CTC_3.1-4 – TEST_GSI_Connect_Repeat
- 8.8.2.4 CTC_3.1-5 – TEST_GSI_DisConnect
- 8.8.2.5 CTC_3.1-6 – TEST_GSI_DisConnect_Repeat
- 8.8.3 Source MOST devices
- 8.8.3.1 CTC_3.2-1 – TEST_GSO_SourceInfo
- 8.8.3.2 CTC_3.2-3 – TEST_GSO_Allocate
- 8.8.3.3 CTC_3.2-4 – TEST_GSO_Allocate_Repeat
- 8.8.3.4 CTC_3.2-5 – TEST_GSO_Allocate_NoChAvail
- 8.8.3.5 CTC_3.2-6 – TEST_GSO_Allocate_ReqChAvail
- 8.8.3.6 CTC_3.2-7 – TEST_GSO_Allocate_WrongSourceNr
- 8.8.3.7 CTC_3.2-8 – TEST_GSO_DeAllocate
- 8.8.3.8 CTC_3.2-9 – TEST_GSO_DeAllocate_Repeat
- 8.8.3.9 CTC_3.2-14 – TEST_GSO_SourceActivity

Annex A (normative) Measurement uncertainty for individual CTCs