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TECHNICAL SPECIFICATION

LTE;
Mission Critical (MC) services over LTE;
Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification
(3GPP TS 36.579-4 version 16.8.0 Release 16)

Reference

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Contents

Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

x the first digit:

1 presented to TSG for information;

2 presented to TSG for approval;

3 or greater indicates TSG approved document under change control.

y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

z the third digit is incremented when editorial only changes have been incorporated in the document.

The present document is part 1 of a multi-part deliverable covering conformance test specification for Mission Critical Services over LTE consisting of:

3GPP TS 36.579-1 [2]: "Mission Critical (MC) services over LTE protocol conformance testing; Part 1: Common test environment"

3GPP TS 36.579-2 [3]: "Mission Critical (MC) services over LTE conformance testing; Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification"

3GPP TS 36.579-3 [4]: "Mission Critical (MC) services over LTE conformance testing; Part 3: Mission Critical Push To Talk (MCPTT) Server Application test specification"

3GPP TS 36.579-4: "Mission Critical (MC) services over LTE conformance testing; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification" (the present document)

3GPP TS 36.579-5 [5]: "Mission Critical (MC) services over LTE conformance testing; Part 5: Abstract test suite (ATS)"

3GPP TS 36.579-6 [11]: "Mission Critical (MC) services over LTE; Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification".

3GPP TS 36.579-7 [12]: "Mission Critical (MC) services over LTE; Part 7: Mission Critical Data (MCData) User Equipment (UE) Protocol conformance specification".

1 Scope

The present document provides the Implementation Conformance Statement (ICS) proforma for testing Client or Server implementations for compliance to the Mission Critical Services over LTE protocol requirements defined by 3GPP, and in accordance with the relevant guidance given in ISO/IEC 9646-1 [7] and ISO/IEC 9646-7 [8].

The present document specifies the recommended applicability statement for the test cases included in 3GPP TS 36.579-2 [3] and 3GPP TS 36.579-3 [4], as well as, TS 36.579-6 [3] and 3GPP TS 36.579-7 [4]. These applicability statements are based on the features implemented in the Client or the Server respectively.

The present document is valid for Mission Critical Services Servers and Clients implemented according to 3GPP releases starting from Release 13 up to the Release indicated on the cover page of the present document.

The present document is valid for Mission Critical Video (MCVideo) and Mission Critical Data (MCData) Clients implemented according to 3GPP releases starting from Release 14 up to the Release indicated on the cover page of the present document.

The present document does not specify applicability or ICS for protocol conformance testing for the EPS (LTE) bearers which carry the Mission Critical Services data sent or received by the Client and/or the Server. These are defined in TS 36.523-2 [6].

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] to [19]   (void)

[20]   3GPP TS 37.579-4 Release 17: "Mission Critical (MC) services; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification"

3 Definitions, symbols and abbreviations

3.1 Definitions

Void

4 Void

The requirements of the present document are provided in 3GPP TS 37.579-4 Release 17 [20].

Annex A (normative): Void

Annex B (informative): Change history

Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2017-02	R5#74	R5-171301	-	-	-	Introduction of TS 36.579-4.	0.0.1
2017-12	R5#77	R5-177038	-	-	-	Adding applicability for all Client tests	0.2.0
2017-12	RAN#78	RP-172184	-	-	-	Draft version for information purposes to the RAN Plenary	1.0.0
2018-03	R5#78	R5-180656	-	-	-	Various updates	1.1.0
2018-03	RAN#79	RP-180129	-	-	-	Draft version for approval to move the spec under revision control to the RAN Plenary	2.0.0
2018-03	RAN#79	-	-	-	-	Editorial changes and promoted to v13.0.0	13.0.0
2018-06	RAN#80	R5-182435	0001	-	F	Updates of 36.579-4 for MCPTT APN and more	13.1.0
2018-09	RAN#81	R5-184693	0002	-	F	Adding applicability for new MCPTT Rel-14 TCs	14.0.0
2019-09	RAN#85	R5-196356	0003	-	F	Updates to Table 4-1	14.1.0
2019-12	RAN#86	R5-198129	0005		F	Adding applicability for MCVideo TCs	14.2.0
2019-12	RAN#86	R5-198130	0006		F	Adding applicability for MCData TCs	14.2.0
2019-12	RAN#86	R5-198166	0007		F	Removal of px_MCPTT_APN_Default	14.2.0
2019-12	RAN#86	R5-199058	0004	1	F	Update for MCVideo and MCData Clients test applicability	14.2.0
2020-06	RAN#88	R5-203112	0009	3	F	Update to applicability	14.3.0
2020-09	RAN#89	R5-204369	0010	1	F	Corrections to MCVideo and MCData tables	14.4.0
2020-09	RAN#89	R5-204370	0011	-	F	Update of test case applicability to Rel-14	14.4.0
2020-09	RAN#89	R5-204370	0011	-	F	corrected wrong values to Rel-14 for 6.1.1.17-18	14.4.1
2021-03	RAN#91	R5-211254	0013	-	F	Adding an MCPTT test case to the applicability table	14.5.0
2021-03	RAN#91	R5-211545	0012	1	F	Addition of missing MCX PICS	14.5.0
2021-06	RAN#92	R5-213669	0015	1	F	Update to ICS proforma tables	14.6.0
2021-06	RAN#92	R5-212154	0014	-	F	Addition of applicability for new MCPTT Rel-15 test cases	15.0.0
2021-09	RAN#93	R5-215492	0017	-	F	Misc. updates to test case applicability and PICS	15.1.0
2021-12	RAN#94	R5-216752	0018	-	F	Misc. updates to test case applicability and PICS	15.2.0
2021-12	RAN#94	R5-217975	0020	1	F	Update of Clause 4 Test Applicability	15.2.0
2022-03	RAN#95	R5-221101	0022	-	F	Misc. updates to MC client test cases	15.3.0
2022-03	RAN#95	R5-222031	0021	1	F	Addition of PICS	15.3.0
2022-06	RAN#96	R5-223384	0023	1	F	Update of 36.579-4 Applicability for New MCVideo and MCData Test Cases	15.4.0
2023-03	RAN#99	R5-230146	0025	-	F	Correction of annex A.4 - ICS proforma tables	15.5.0
2023-03	RAN#99	R5-230147	0026	-	F	Correction of clause 2 - References	15.5.0
2023-03	RAN#99	R5-231919	0027	1	F	Addition of applicability for new Rel-16 test cases	16.0.0
2023-06	RAN#100	R5-232605	0029	-	F	Updates to Applicability	16.1.0
2023-09	RAN#101	R5-233867	0030	-	F	Correction of clause 4	16.2.0
2023-09	RAN#101	R5-234573	0031	-	F	Updates to Applicability for new Rel-16 MCData Test Cases	16.2.0
2023-12	RAN#102	R5-237442	0032	1	F	Addition of applicability for Rel-16 test cases	16.3.0
2024-03	RAN#103	R5-241685	0033	1	F	Addition of applicability for new Rel-16 test cases	16.4.0
2024-06	RAN#104	R5-242355	0034	-	F	Misc updates	16.5.0
2024-09	RAN#105	R5-244419	0035	-	F	Correction to the applicability of MCPTT TC 5.9	16.6.0
2024-09	RAN#105	R5-245672	0037	1	F	Condition for MBMS test cases	16.6.0
2024-09	RAN#105	R5-245708	0039	1	F	Addition of applicability for new Rel-16 test cases	16.6.0
2024-09	RAN#105	R5-245724	0036	1	F	Condition for ambient listening call	16.6.0
2024-09	RAN#105	R5-245725	0038	2	F	Clarification on applicability of MCData SDS and FD test cases	16.6.0
2024-12	RAN#106	R5-246418	0040	-	F	Corrections of test case applicabilities	16.7.0
2025-03	RAN#107	R5-251430	0042	1	F	Removal of technical content in TS 36.579-4 v16.7.0 and substitution with pointer to TS 37.579-4 on the next Release	16.8.0

History

Document history		
V16.0.0	April 2023	Publication
V16.1.0	July 2023	Publication
V16.2.0	October 2023	Publication
V16.3.0	January 2024	Publication
V16.4.0	May 2024	Publication
V16.5.0	August 2024	Publication
V16.6.0	October 2024	Publication
V16.7.0	February 2025	Publication
V16.8.0	April 2025	Publication