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TECHNICAL SPECIFICATION

LTE;
Mission Critical (MC) services over LTE;
Part 3: Mission Critical Push To Talk (MCPTT)
Server Application conformance specification
(3GPP TS 36.579-3 version 13.4.0 Release 13)

Reference

RTS/TSGR-0536579-3vd40

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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 3 of a multi-part conformance test specification for Mission Critical Push To Talk (MCPTT) over LTE consisting of:

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

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

3GPP TS 36.579-3: "Mission Critical (MC) services over LTE; Part 3: Mission Critical Push To Talk (MCPTT) Server Application conformance specification" (the present specification)

3GPP TS 36.579-4 [4]: "Mission Critical (MC) services over LTE; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification"

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

1 Scope

The present document specifies the protocol conformance testing for testing a MCPTT Server for compliance to the Mission Critical Push To Talk (MCPTT) over LTE protocol requirements defined by 3GPP. The present document addresses only MCPTT Server-Client, and, MCPTT Server-Server communication scenarios. It does not cover e.g. MCPTT Server-EPS, MCPTT Server-SIP Core, etc. scenarios which involve interfaces which implementation may widely vary.

In particular the present specification contains:

- the overall test structure;

- the test configurations;

- the conformance requirement and reference to the core specifications;

- the test purposes; and

- a brief description of the test procedure, the specific test requirements and short message exchange table.

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

The following information relevant to testing specified in the present document could be found in accompanying specifications:

- default setting of the test parameters TS 36.579-1 [2];

- Implementation Conformance Statement (ICS) TS 36.579-4 [4] and Implementation eXtra Information for Testing (IXIT) TS 36.579-5 [5];

- the applicability of each test case TS 36.579-4 [4].

The present document does not specify the protocol conformance testing for the EPS (LTE) bearers which carry the MCPTT data sent or received by the MCPTT Server. The specification of such testing is out of the scope of RAN5.

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.

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[1] to [23]   (void)

[24]   3GPP TS 36.579-3 Release 14: "Mission Critical (MC) services over LTE; Part 3: Mission Critical Push To Talk (MCPTT) Server Application conformance specification"

3 Definitions, symbols and abbreviations

Void

4 General

4.1 Test methodology

The requirements of the present document are provided in 3GPP TS 36.579-3 Release 14 [24].

5 to 7 Void

Annex A (informative):
Change history

Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2017-02	RAN5#74	R5-171300	-	-	-	Introduction of TS 36.579-3.	0.0.1
2018-03	RAN5#78	R5-180688	-	-	-	Incorporates changes agreed in: R5-181269 "New MCPTT Server TC 5.1" R5-181270 "New MCPTT Server TC 6.1" R5-181271 "New MCPTT Server TC 7.1" R5-181272 "New MCPTT Server TC 7.2"	0.1.0
2018-03	RAN#79	RP-180128	-	-	-	Draft version for information purposes to the RAN Plenary	1.0.0
2018-05	RAN5#79	R5-182438	-	-	-	Incorporates changes agreed in: R5-182421 R5-183162 R5-182486 R5-182487 R5-182488	2.0.0
2018-06	RAN#80	RP-180655	-	-	-	put under revision control as v13.0.0 with small editorial changes	13.0.0
2018-09	RAN#81	R5-192160	0001	-	F	Update 36.579-3 Typos in Forward and Section 4.1.2	13.1.0
2021-12	RAN#94	R5-217642	0002	-	F	Update of Test Case 5.1 - Authentication Authorization Configuration	13.2.0
2021-12	RAN#94	R5-217972	0003	1	F	Update of Test Case 6.1 - Client-Server Call	13.2.0
2021-12	RAN#94	R5-217973	0004	1	F	Update of Test Case 7.1 - Controlling Server Call	13.2.0
2021-12	RAN#94	R5-217974	0005	1	F	Update of Test Case 7.2 - Participating Server Call	13.2.0
2023-12	RAN#102	R5-236599	0006	-	F	Correction of Test Case 7.1	13.3.0
2023-12	RAN#102	R5-236600	0007	-	F	Correction of clause 4.5	13.3.0
2024-06	RAN#104	R5-242298	0010	-	F	Removal of technical content in TS 36.579-3 v13.3.0 and substitution with pointer to the next Release	13.4.0

History

Document history		
V13.0.0	July 2018	Publication
V13.1.0	May 2019	Publication
V13.2.0	January 2022	Publication
V13.3.0	January 2024	Publication
V13.4.0	August 2024	Publication