ETSI TS 136 579-7 V14.3.0 (2021-10)

TECHNICAL SPECIFICATION

LTE;
Mission Critical (MC) services over LTE;
Part 7: Mission Critical Data (MCData) User Equipment (UE)
Protocol conformance specification
(3GPP TS 36.579-7 version 14.3.0 Release 14)

Reference
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Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

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.

In the present document, modal verbs have the following meanings:

  shall   indicates a mandatory requirement to do something

  shall not   indicates an interdiction (prohibition) to do something

The constructions "shall" and "shall not" are confined to the context of normative provisions, and do not appear in Technical Reports.

The constructions "must" and "must not" are not used as substitutes for "shall" and "shall not". Their use is avoided insofar as possible, and they are not used in a normative context except in a direct citation from an external, referenced, non-3GPP document, or so as to maintain continuity of style when extending or modifying the provisions of such a referenced document.

  should   indicates a recommendation to do something

  should not   indicates a recommendation not to do something

  may   indicates permission to do something

  need not   indicates permission not to do something

The construction "may not" is ambiguous and is not used in normative elements. The unambiguous constructions "might not" or "shall not" are used instead, depending upon the meaning intended.

  can   indicates that something is possible

  cannot   indicates that something is impossible

The constructions "can" and "cannot" are not substitutes for "may" and "need not".

  will   indicates that something is certain or expected to happen as a result of action taken by an agency the behaviour of which is outside the scope of the present document

  will not   indicates that something is certain or expected not to happen as a result of action taken by an agency the behaviour of which is outside the scope of the present document

  might   indicates a likelihood that something will happen as a result of action taken by some agency the behaviour of which is outside the scope of the present document

might not   indicates a likelihood that something will not happen as a result of action taken by some agency the behaviour of which is outside the scope of the present document

In addition:

is   (or any other verb in the indicative mood) indicates a statement of fact

is not   (or any other negative verb in the indicative mood) indicates a statement of fact

The constructions "is" and "is not" do not indicate requirements.

Introduction

The present document is part 7 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 [24]: " Mission Critical (MC) services over LTE; Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification";

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

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

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

3GPP TS 36.579-6 [25]: " Mission Critical (MC) services over LTE; Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification";

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

1 Scope

The present document specifies the protocol conformance testing for testing a MCData Client for compliance to the Mission Critical Video (MCData) over LTE protocol requirements defined by 3GPP.

In particular the present document 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 MCData Clients 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 test cases are expected to be executed through the 3GPP radio interface. The present document does not specify the protocol conformance testing for the EPS (LTE) bearers which carry the MCData data sent or received by the MCData Client and which are required to be supported by the UE in which the MCData Client is installed. This is defined in TS 36.523-1 [6].

According to 3GPP drafting rules, the references clause shall list only documents that are explicitly mentioned in the deliverable. This reference is not used within the document and thus shall be removed from references clause.

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 [37] (void)

[38] 3GPP TS 36.579-7 Release 15: "Mission Critical (MC) services over LTE; Part 7: Mission Critical Data (MCDatas) User Equipment (UE) Protocol conformance specification"

3 Definitions of terms, symbols and abbreviations

Void

4 General

The requirements of the present document are provided in 3GPP TS 36.579-7 Release 15 [38].

5 to 7 Void

Annex A (informative):
Change history

Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2018-08	RAN5#80	R5-184608	-	-	-	Introduction of TS 36.579-7	0.0.2
2018-08	RAN5#80	R5-185143	-	-	-	Draft TS 36.579-7 v003	0.0.3
2019-03	RAN5#82	R5-192245	-	-	-	Draft TS 36.579-7 v005	0.0.5
2019-09	RAN5#84	R5-196352	-	-	-	Draft TS 36.579-7 v010	0.1.0
2019-11	RAN5#85	R5-198829	-	-	-	Draft TS 36.579-7 v021	0.2.1
2020-05	RAN5#87	R5-202051	-	-	-	Draft TS 36.579-7 v030	0.3.0
2020-07	RAN#88	RP-200718	-	-	-	Draft version for information purposes to the RAN Plenary	1.0.0
2020-08	RAN5#88	R5-203529	-	-	-	draft TS 36.579-7 v1.1.0	1.1.0
2020-09	RAN#89	RP-201797	-	-	-	Draft version for approval to move the spec under revision control to the RAN Plenary	2.0.0
2020-09	RAN#89	-	-	-	-	upgraded to v14.0.0 with small editorial changes	14.0.0
2020-12	RAN#90	R5-206466	0001	1	F	Update of MCDATA TC 6.1.2	14.1.0
2020-12	RAN#90	R5-206467	0002	1	F	Update of MCDATA TC 6.2.1	14.1.0
2021-03	RAN#91	R5-211355	0003	1	F	Editorial for correcting heading styles	14.2.0
2021-09	RAN#93	R5-215151	0005	-	F	Removal of technical content in 36.579-7 v14.2.0 and substitution with pointer to the next Release	14.3.0

History

Document history		
V14.0.0	November 2020	Publication
V14.1.0	January 2021	Publication
V14.2.0	April 2021	Publication
V14.3.0	October 2021	Publication