Universal Mobile Telecommunications System (UMTS); Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 5.2.0 Release 5)

Reference

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Keywords

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Foreword

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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.

Introduction

The present document is the first part of a multi-part conformance specification valid for 3GPP Release 5 and later releases.

3GPP TS 34.229-1 (the present document): Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification- current document.

3GPP TS 34.229-2 [2]: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".

3GPP TS 34.229-3 [3]: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 3: Abstract Test Suites (ATS)".

1 Scope

The present document specifies the protocol conformance testing for the User Equipment (UE) supporting the Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP).

This is the first part of a multi-part test specification. The following information can be found in this part:

- 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 following information relevant to testing can be found in accompanying specifications:

- the applicability of each test case [2].

A detailed description of the expected sequence of messages can be found in the 3rd part of present test specification [3].

The Implementation Conformance Statement (ICS) pro-forma can be found in the 2nd part of the present test specification [2].

The present document is valid for UE implemented according to 3GPP Releases starting from Release 5 up to the Release indicated on the cover page of the present document.

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.

    - For a Release 1999 UE, references to 3GPP documents are to version 3.x.y, when available.

    - For a Release 4 UE, references to 3GPP documents are to version 4.x.y, when available.

    - For a Release 5 UE, references to 3GPP documents are to version 5.x.y, when available.

    - For a Release 6 UE, references to 3GPP documents are to version 6.x.y, when available

[1]   3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2]   3GPP TS 34.229-2: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".

[3]   3GPP TS 34.229-3: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 3: Abstract Test Suites (ATS)".

[4]   3GPP TS 34.229-1 (Release 6): "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification- current document".

3   Definitions, symbols and abbreviations

(void)

4   Overview

The requirements of the present document are provided in 3GPP TS 34.229-1 Release 6 [4].

Annex A (informative): Change history

Meeting -1st- Level	Doc-1st- Level	CR	Rev	Subject	Cat	Version - Current	Version -New	Doc-2nd- Level
RP-31	RP-060052	-	-	Update to version 1.0.0 and present to RAN#31 for information	-	0.0.1	1.0.0	R5-060292
-	-	-	-	Update to version 2.0.0 at RAN5#31	-	1.0.0	2.0.0	R5-061398
-	-	-	-	Update to version 2.1.0 during RAN5#31 e-mail agreement procedure	-	2.0.0	2.1.0	R5-061398r1
RP-32	RP-060269	-	-	MCC Editorial clean up version 2.1.1 - and present to RAN#32 for approval to go under revision control (as version 5.0.0)	-	2.1.0	2.1.1	-
-	-	-	-	Update to version 5.0.0 after RAN#32	-	2.1.1	5.0.0	-
RP-33	RP-060565	1	-	Correction to TS 34.229-1 contents	F	5.0.0	5.1.0	R5-062360
RP-33	RP-060565	2	-	Clarification to Emergency Test Case	F	5.0.0	5.1.0	R5-062543
RP-33	RP-060565	3	-	Clarifications for SDP handling in TC 12.1 MO Call Successful	F	5.0.0	5.1.0	R5-062309
RP-33	RP-060565	4	-	Test Case Correction on SigComp in the Initial registration	F	5.0.0	5.1.0	R5-062362
RP-33	RP-060565	5	-	New TC on SigComp in the MO Call	F	5.0.0	5.1.0	R5-062323
RP-33	RP-060565	6	-	Correction to authentication test case 9.2 Invalid Behaviour – SQN out of range	F	5.0.0	5.1.0	R5-062372
RP-33	RP-060565	7	-	New TC on SigComp in the MT Call	F	5.0.0	5.1.0	R5-062363
RP-33	RP-060565	8	-	New test cases for P-CSCF Discovery List	F	5.0.0	5.1.0	R5-062364
RP-33	RP-060565	9	-	General IMS testing corrections and clarifications	F	5.0.0	5.1.0	R5-062371
RP-33	RP-060565	10	-	Alignment with TS 24.229 version 5.16.0 affecting TCs 8.1, 8.2, 8.3 and the default message REGISTER.	F	5.0.0	5.1.0	R5-062215
RP-33	RP-060565	11	-	Correction for TC 8.4: Invalid Behaviour – 423 Interval Too Brief	F	5.0.0	5.1.0	R5-062216
RP-33	RP-060565	12	-	Correction for TCs 9.1and 9.2	F	5.0.0	5.1.0	R5-062370
RP-34	RP-060746	13	-	Introduction of default messages and generic registration test procedure for early IMS security	F	5.1.0	5.2.0	R5-063332
RP-34	RP-060746	14	-	Introduction of a registration test case for early IMS security	F	5.1.0	5.2.0	R5-063384
RP-34	RP-060746	15	-	Updating of test cases to cover both IMS support and early IMS security scenarios	F	5.1.0	5.2.0	R5-063529
RP-34	RP-060746	16	-	Introduction of a registration test case for combined IMS support and early IMS security	F	5.1.0	5.2.0	R5-063526
RP-34	RP-060746	17	-	Introduction of a registration test case for combined IMS support and early IMS security and UICC with SIM application	F	5.1.0	5.2.0	R5-063385
RP-34	RP-060746	18	-	Removal of MO Call - 488 not accepted here for rel 5	F	5.1.0	5.2.0	R5-063330
RP-34	RP-060746	19	-	Clarifications to MT test case	F	5.1.0	5.2.0	R5-063386
RP-34	RP-060746	20	-	Corrections to MO with sigcomp test case	F	5.1.0	5.2.0	R5-063387
RP-34	RP-060746	21	-	Corrections to P-CSCF Discovery (IPv6) test cases	F	5.1.0	5.2.0	R5-063388
RP-34	RP-060746	22	-	New TCs on SigComp Invalid Behaviour	F	5.1.0	5.2.0	R5-063389
RP-34	RP-060746	23	-	Addition of annex with the test ISIM parameters	F	5.1.0	5.2.0	R5-063390
RP-34	RP-060746	24	-	Introduction of a postamble for IMS testing	F	5.1.0	5.2.0	R5-063391
RP-34	RP-060746	25	-	Correction to Generic DHCP test procedure	F	5.1.0	5.2.0	R5-063242
RP-34	RP-060746	27	-	Clarifications for IMS emergency call test case 14.2	F	5.1.0	5.2.0	R5-063522
RP-34	RP-060746	28	-	Clarification of Default Message for IMS emergency call test case 14.2	F	5.1.0	5.2.0	R5-063523
RP-34	RP-060748	33	-	Update of PDP Context and P-CSCF Discovery test cases to Rel-6	F	5.1.0	5.2.0	R5-063572
RP-34	RP-060746	26	-	Production of pointer version 5.2.0 of TS 34.229-1 with no technical contents	F	5.1.0	5.2.0	R5-063291

History

Document history		
V5.0.0	June 2006	Publication
V5.1.0	October 2006	Publication
V5.2.0	December 2006	Publication