ETSI TS 134 229-2 V9.12.0 (2013-04)

Technical Specification

**Universal Mobile Telecommunications System (UMTS);
LTE;
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)
specification
(3GPP TS 34.229-2 version 9.12.0 Release 9)**

Reference
RTS/TSGR-0534229-2v9c0

Keywords
LTE,UMTS

ETSI

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Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

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Foreword

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The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under http://webapp.etsi.org/key/queryform.asp.

Contents

Foreword

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Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).

The present document is 2rd part of a multi-part conformance test specification for UE and is *valid for 3GPP Release 5*. The specification contains the UE IMS CC capability and the applicability of the UE IMS CC conformance test cases.

   3GPP TS 34.229-1 [5]: 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.

   3GPP TS 34.229-2 (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 2: Implementation Conformance Statement (ICS) proforma specification" - current document.

   3GPP TS 34.229-3 [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 3: Abstract Test Suites (ATS)".

   Note: For conformance testing of the UTRAN requirements refer to 3GPP TS 34.123 Parts 1 to 3 [2] [3] [4].

1 Scope

The present document provides the Implementation Conformance Statement (ICS) proforma for 3rd Generation User Equipment (UE) supporting the Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP), in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [8] and ETS 300 406 [9].

The present document also specifies a recommended applicability statement for the test cases included in TS 34.229-1 [5]. These applicability statements are based on the features implemented in the UE.

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 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

  - For a Release 7 UE, references to 3GPP documents are to version 7.x.y, when available

  - For a Release 8 UE, references to 3GPP documents are to version 8.x.y, when available.

  - For a Release 9 UE, references to 3GPP documents are to version 9.x.y, when available.

[1] to [76]   (void)

[77]   3GPP TS 34.229-2 Release 10: "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) specification"

3 Definitions and abbreviations

Void

4 Recommended test case applicability

The requirements of the present document are provided in 3GPP TS 34.229-2 Release 10 [77].

Annex A: Void

Annex B (informative):
Change history

Meeting -1st- Level	Doc-1st- Level	CR	Rev	Subject	Cat	Version - Current	Version -New	Doc-2nd- Level

Meeting -1st- Level	Doc-1st- Level	CR	Rev	Subject	Cat	Version - Current	Version -New	Doc-2nd- Level
RP-31	RP-060053	-	-	Update to version 1.0.0 and present to RAN#31 for information	-	0.0.1	1.0.0	R5-060523
-	-	-	-	Update to version 2.0.0 during RAN5#31 e-mail agreement procedure	-	1.0.0	2.0.0	R5-061399
RP-32	RP-060320	-	-	MCC Editorial clean up version 2.0.1 - and present to RAN#32 for approval to go under revision control (as version 5.0.0)	-	2.0.0	2.0.1	-
-	-	-	-	Update to version 5.0.0 after RAN#32	-	2.0.1	5.0.0	-
RP-33	RP-060565	0001	-	Applicability for new P-CSCF Discovery List test cases	F	5.0.0	5.1.0	R5-062365
RP-33	RP-060565	0002	-	CR to 34.229-2: Update applicability table for IMSCC test	F	5.0.0	5.1.0	R5-062026
RP-34	RP-060746	0003	-	Updating of test cases to cover both IMS support and early IMS security scenarios, ICS part	F	5.1.0	5.2.0	R5-063528
RP-34	RP-060746	0004	-	ICS part for new registration test cases 8.5, 8.6 and 8.7 for early IMS security	F	5.1.0	5.2.0	R5-063527
RP-34	RP-060746	0005	-	Removal of MO Call - 488 not accepted here for rel 5, ICS part	F	5.1.0	5.2.0	R5-063331
RP-34	RP-060746	0006	-	Production of pointer version 5.2.0 of TS 34.229-2 with no technical contents	F	5.1.0	5.2.0	R5-063292
RP-34	RP-060748	0007	-	Update to 34.229-2 : Major capabilities	F	5.1.0	6.0.0	R5-063571
RP-35	RP-070089	0008	-	IMS security and early IMS security capability update	F	6.0.0	6.1.0	R5-070426
RP-35	RP-070089	0009	-	Removal of applicability statements for IMS test cases 7.7 and 7.8	F	6.0.0	6.1.0	R5-070330
RP-36	RP-070362	0010		Applicability of IMS TC 13.4	F	6.1.0	6.2.0	R5-071060
RP-36	RP-070362	0011		Coding options for the IPv4 address in PCO IE	F	6.1.0	6.2.0	R5-071438
RP-36	RP-070362	0013		Applicability of Call Control TCs	F	6.1.0	6.2.0	R5-071507
RP-37	RP-070607	0014	-	Applicability of re- and de-registration TCs for early IMS	F	6.2.0	6.3.0	R5-072115
RP-38	RP-070874	0017	-	Production of 34.229-2 pointer version in Rel-6 pointing to Rel-7 version	F	6.3.0	6.4.0	R5-073279
RP-38	RP-070882	0015	-	Applicability of new MTSI MO Call and Call Hold test cases	F	6.3.0	7.0.0	R5-073445
RP-38	RP-070882	0016		Add MTSI media capabilities	F	6.3.0	7.0.0	R5-073096
RP-39	RP-080113	0018		Applicability for new MTSI test cases 15.12, 15.13 and 15.23	F	7.0.0	7.1.0	R5-080597
RP-39	RP-080113	0019		Applicability for MTSI test case MO MTSI Text call	F	7.0.0	7.1.0	R5-080562
RP-39	RP-080114	0020		Applicability for MTSI test case Speech AMR, indicate all codec modes	F	7.0.0	7.1.0	R5-080081
RP-39	RP-080114	0021		Applicability for MTSI test case Speech AMR-WB, indicate all codec modes	F	7.0.0	7.1.0	R5-080083
RP-39	RP-080114	0022		Applicability for MTSI test case MT Video, add speech remove speech	F	7.0.0	7.1.0	R5-080590
RP-39	RP-080114	0023		Update SDP applicability tables	F	7.0.0	7.1.0	R5-080578
RP-39	RP-080114	0024		Update references in TS 34.229-2	F	7.0.0	7.1.0	R5-080090
RP-39	RP-080114	0025		Update key to status codes	F	7.0.0	7.1.0	R5-080091
RP-39	RP-080114	0026		Addition of Applicability Statement for new MTSI test cases	F	7.0.0	7.1.0	R5-080603
RP-40	RP-080376	0027		Applicability statements of new MTSI test cases	F	7.1.0	7.20	R5-081500
RP-40	RP-080376	0028		Media change capabilities	F	7.1.0	7.20	R5-081084
RP-40	RP-080376	0029		Applicability for new MTSI test case MT MTSI Speech call	F	7.1.0	7.20	R5-081085
RP-40	RP-080376	0030		Applicability for new MTSI test case MT MTSI Video call	F	7.1.0	7.20	R5-081086
RP-40	RP-080376	0031		Applicability for new MTSI test case Speech AMR indicate selective codec modes	F	7.1.0	7.20	R5-081088
RP-40	RP-080376	0032		Applicability for new MTSI test case Speech AMR-WB indicate selective codec modes	F	7.1.0	7.20	R5-081089
RP-40	RP-080376	0033		Applicability for new MTSI test case MT Speech add video remove video	F	7.1.0	7.20	R5-081090
RP-40	RP-080376	0034		Applicability for new MTSI test case MT Speech add video remove speech	F	7.1.0	7.20	R5-081091
RP-41	RP-080564	0035		Update applicabilities for clause 12 test cases	F	7.2.0	7.3.0	R5-083134
RP-41	RP-080564	0036		Update applicabilities for clause 17 test cases	F	7.2.0	7.3.0	R5-083135
RP-41	RP-080564	0037		Update applicabilities for clause 16 test cases	F	7.2.0	7.3.0	R5-083136
RP-41	RP-080564	0038		Remove table for MTSI media change	F	7.2.0	7.3.0	R5-083137
RP-41	RP-080564	0039		Correct applicability for test case 14.2	F	7.2.0	7.3.0	R5-083452
RP-41	RP-080564	0040		Applicability statements of new MTSI test cases	F	7.2.0	7.3.0	R5-083560
RP-41	RP-080557	0041		Removal of reference to IMS test case 13.4	F	7.2.0	7.3.0	R5-083586
RP-42	RP-080966	0042		Applicability statements of new MTSI test cases	F	7.3.0	8.0.0	R5-085049

Meeting -1st-Level	Doc-1st-Level	CR	Rev	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level
RP-42	RP-080966	0043		Remove applicabilities for non MTSI related call setup test cases	F	7.3.0	8.0.0	R5-085352
RP-42	RP-080966	0044		Remove applicabilities for non mandatory use cases	F	7.3.0	8.0.0	R5-085434
RP-42	RP-080966	0045		Update of applicability of MTSI test cases for adding/removing media	F	7.3.0	8.0.0	R5-085444
RP-43	RP-090205	0046		Update of TS 34.229-2 from Rel-7 to Rel-8	F	7.3.0	8.0.0	R5-090764
RP-43	RP-090214	0047		Applicability statements of new MTSI test cases	F	8.0.0	8.1.0	R5-090346
RP-43	RP-090214	0048		Applicability statements of new MTSI test cases	F	8.0.0	8.1.0	R5-090624
RP-43	RP-090214	0049		Remove applicabilities for non MTSI related call setup test cases (2nd)	F	8.0.0	8.1.0	R5-090626
RP-43	RP-090214	0050		Add applicabilities for new clause 16 test cases	F	8.0.0	8.1.0	R5-090627
RP-43	RP-090214	0051		Remove applicabilities for removed clause 16 test cases	F	8.0.0	8.1.0	R5-090628
RP-43	RP-090214	0052		Add applicability for new clause 17 test case	F	8.0.0	8.1.0	R5-090629
RP-44	RP-090433	0053		Addition of PICS for support of UI Message Waiting Indication	F	8.1.0	8.2.0	R5-092218
RP-45	RP-090794	0054		Update table A.318 SDP types	F	8.2.0	8.3.0	R5-094354
RP-46	RP-091116	0055		Update applicability for test cases 14.1 and 14.2	F	8.3.0	8.4.0	R5-095818
RP-46	RP-091118	0056		Update applicability for test case 12.2	F	8.3.0	8.4.0	R5-095820
RP-46	RP-091118	0057		Update table A.12	F	8.3.0	8.4.0	R5-096181
RP-47	RP-100155	0058	-	Addition of applicability for new SMS over IMS test case	F	8.4.0	8.5.0	R5-100083
RP-47	RP-100155	0059	-	Add capability for SMS over IP	F	8.4.0	8.5.0	R5-100510
RP-47	RP-100155	0060	-	Add applicability for SMS test cases	F	8.4.0	8.5.0	R5-100511
RP-47	-	-	-	Moved to v9.0.0 with no change	-	8.5.0	9.0.0	-
RP-48	RP-100511	0061	-	Adding capabilities to TS 34.229-2 for VoLTE profile alignment	F	9.0.0	9.1.0	R5-103856
RP-49	RP-100985	0063	-	Introducing new MTSI test cases for CF and CW	F	9.1.0	9.2.0	R5-104293
RP-49	RP-100986	0064	-	Add radio capabilities	F	9.1.0	9.2.0	R5-104312
RP-49	RP-100986	0065	-	Update security scheme with GIBA	F	9.1.0	9.2.0	R5-104436
RP-49	RP-100986	0066	-	Update applicability for clause 8 registration test cases	F	9.1.0	9.2.0	R5-104438
RP-49	RP-100986	0067	-	Update applicability for test case 13.1	F	9.1.0	9.2.0	R5-104439
RP-49	RP-100838	0068	-	Introducing new test cases for IMS emergency registration	F	9.1.0	9.2.0	R5-104737
-	-	-	-	Editorial renumbering of test cases 15.27 - 15.30 in order to align with GCF list	-	9.1.0	9.2.0	-
RP-50	RP-101146	0072	-	Remove applicability for test case 14.1 and 14.2	F	9.2.0	9.3.0	R5-106488
RP-50	RP-101146	0071	-	Update of applicability for MTSI test cases	F	9.2.0	9.3.0	R5-106302
RP-50	RP-101146	0070	-	Remove PSS tables	F	9.2.0	9.3.0	R5-106239
RP-50	RP-101146	0069	-	Add new test case 15.14a CB while roaming	F	9.2.0	9.3.0	R5-106153
RP-50	RP-101146	0073	-	Update security, adressing and SIP compression tables	F	9.2.0	9.3.0	R5-106579
RP-50	RP-101156	0076	-	Introducing TC 19.1.1 Basic IMS emergency call over EPS	F	9.2.0	9.3.0	R5-106591
RP-50	RP-101146	0075	-	Update MTSI information	F	9.2.0	9.3.0	R5-106584
RP-50	RP-101146	0074	-	Update additional information for IPv4	F	9.2.0	9.3.0	R5-106582
RP-50	RP-101146	0078	-	Update abbreviations and conventions	F	9.2.0	9.3.0	R5-106686
RP-50	RP-101146	0077	-	Rel-8 IMS test case applicabilities	F	9.2.0	9.3.0	R5-106685
-	-	-	-	Added email agreed R5-106685	-	9.3.0	9.3.1	-
RP-51	RP-110165	0079	-	Applicability for IMS TCs updated or added to Rel-8	F	9.3.1	9.4.0	R5-110264
RP-51	RP-110174	0080	-	Introducing IMS emergency TCs 19.1.2, 19.1.4, 19.5.6	F	9.3.1	9.4.0	R5-110270
RP-51	RP-110165	0081	-	Update roles and ICS related to SIP	F	9.3.1	9.4.0	R5-110291
RP-51	RP-110165	0082	-	Update applicability roles	F	9.3.1	9.4.0	R5-110292
RP-51	RP-110165	0083	-	Update SIP compression table	F	9.3.1	9.4.0	R5-110293

Meeting -1st- Level	Doc-1st- Level	CR	Rev	Subject	Cat	Version - Current	Version -New	Doc-2nd- Level
RP-51	RP-110165	0084	-	Remove SDP tables	F	9.3.1	9.4.0	R5-110294
RP-51	RP-110165	0085	-	Update additional information	F	9.3.1	9.4.0	R5-110295
RP-51	RP-110165	0086	-	Update UE implementation types	F	9.3.1	9.4.0	R5-110296
RP-51	RP-110165	0087	-	Update applicability for test case 10.1	F	9.3.1	9.4.0	R5-110378
RP-51	RP-110165	0088	-	Update applicability for test cases 12.2, 12.13, 12.16 and 12.17	F	9.3.1	9.4.0	R5-110379
RP-51	RP-110165	0089	-	Update applicability for test cases 16.1, 16.2, 16.3 and 16.4	F	9.3.1	9.4.0	R5-110381
RP-51	RP-110165	0090	-	Applicable release upgrade for clause 6 and 7 test cases	F	9.3.1	9.4.0	R5-110401
RP-51	RP-110165	0091	-	Update applicability of test cases 16.11, 16.12, 16.13, 17.2, 17.6, 17.17 and 17.18.	F	9.3.1	9.4.0	R5-110500
RP-51	RP-110165	0092	-	update applicability for test cases 13.1, 13.2 and 13.3	F	9.3.1	9.4.0	R5-110707
RP-51	RP-110174	0093	-	Introduction of applicability conditions for new test cases for CT1 aspects of IMS emergency call over GPRS and EPS	F	9.3.1	9.4.0	R5-110811
RP-51	RP-110174	0094	-	Applicability for new emergency test case 19.3.2	F	9.3.1	9.4.0	R5-110812
RP-51	RP-110165	0095	-	Introducing new MTSI test cases for Three Way Session and CW	F	9.3.1	9.4.0	R5-110822
RP-52	RP-110660	0096	-	New IMS emergency TCs 19.5.7, 19.5.8, 19.5.9, 19.5.10	F	9.4.0	9.5.0	R5-112175
RP-52	RP-110660	0097	-	Add applicability for new test case 19.4.1	F	9.4.0	9.5.0	R5-112497
RP-52	RP-110651	0098	-	Applicability for IMS TCs updated or added to Rel-8	F	9.4.0	9.5.0	R5-112647
RP-52	RP-110660	0099	-	Introduction of applicability conditions for new test cases for CT1 aspects of IMS emergency call over GPRS and EPS	F	9.4.0	9.5.0	R5-112652
RP-53	RP-111151	0100	-	Applicability of new test cases for SSAC	F	9.5.0	9.6.0	R5-113746
RP-54	RP-111591	0101	-	Correction to applicability for test case 19.5.9 and 19.5.10	F	9.6.0	9.7.0	R5-115183
RP-54	RP-111583	0102	-	Update test case numbering	F	9.6.0	9.7.0	R5-115345
RP-55	RP-120195	0103	-	Update to test case 12.19	F	9.7.0	9.8.0	R5-120437
RP-55	RP-120192	0104	-	Correcting applicability for test case 19.3.2 and a PICS condition	F	9.7.0	9.8.0	R5-120692
RP-56	RP-120657	0105	-	Update to ICS proforma table for Additional information	F	9.8.0	9.9.0	R5-121282
RP-56	RP-120655	0106	-	Removing TC 19.1.4 applicability	F	9.8.0	9.9.0	R5-121431
RP-56	RP-120655	0107	-	Adding applicability for test case 19.3.3 and 19.3.4	F	9.8.0	9.9.0	R5-121499
RP-56	RP-120649	0108	-	Applicability for video test cases 12.21, 12.22. 17.1 and 17.2	F	9.8.0	9.9.0	R5-122120
RP-57	RP-121103	0109	-	Update to ICS proforma table for Additional information	F	9.9.0	9.10.0	R5-123201
RP-58	RP-121664	0110	-	Update applicability for emergency test cases	F	9.10.0	9.11.0	R5-125617
RP-59	RP-130145	0112	-	Removal of technical content in 34.229-2 v9.11.0 and substitution with pointer to the next Release	F	9.11.0	9.12.0	R5-130150

History

Document history		
V9.0.0	April 2010	Publication
V9.1.0	July 2010	Publication
V9.2.0	October 2010	Publication
V9.3.1	January 2011	Publication
V9.4.0	April 2011	Publication
V9.5.0	July 2011	Publication
V9.6.0	November 2011	Publication
V9.7.0	January 2012	Publication
V9.8.0	March 2012	Publication
V9.9.0	July 2012	Publication
V9.10.0	October 2012	Publication
V9.11.0	January 2013	Publication
V9.12.0	April 2013	Publication