

# ETSI TS 134 229-1 V8.6.0 (2010-06)

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*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 1: Protocol conformance specification  
(3GPP TS 34.229-1 version 8.6.0 Release 8)**

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Reference

RTS/TSGR-0534229-1v860

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Keywords

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## Foreword

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# Contents

|  |          |
|--|----------|
| Intellectual Property Rights .....                 | 2        |
| Foreword.....                                      | 2        |
| Foreword.....                                      | 4        |
| Introduction .....                                 | 4        |
| 1 Scope .....                                      | 5        |
| 2 References .....                                 | 5        |
| 3 Definitions, symbols and abbreviations .....     | 6        |
| 4 Overview .....                                   | 6        |
| 4.1 Test Methodology.....                          | 6        |
| 5 to 18 Void.....                                  | 6        |
| <b>Annex A to F: Void .....</b>                    | <b>7</b> |
| <b>Annex G (informative): Change history .....</b> | <b>8</b> |
| History .....                                      | 14       |

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## Foreword

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- 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.

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## 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 [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 2: Implementation Conformance Statement (ICS) proforma specification".

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 1: The ATS is written in a standard testing language, TTCN-3, as defined in ETSI ES 201 873 Parts 1 to 3 [36] [37] [38].

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

NOTE 3: Further information on testing can be found in ETSI ETS 300 406[9] and ISO/IEC 9646-1 [7].

For at least a minimum set of services, the prose descriptions of test cases will have a matching detailed test case implemented in TTCN-3 (and provided in 3GPP TS 34.229-3 [6]).

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# 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 [5].

A detailed description of the expected sequence of messages can be found in the 3<sup>rd</sup> part of present test specification [6].

The Implementation Conformance Statement (ICS) pro-forma can be found in the 2<sup>nd</sup> part of the present test specification [5].

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.

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

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

[2] to [94] (void)

[95] 3GPP TS 34.229-1: "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".

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## 3 Definitions, symbols and abbreviations

Void

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## 4 Overview

### 4.1 Test Methodology

The requirements of the present document are provided in 3GPP TS 34.229-1 Release 9 [95].

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## 5 to 18 Void

## Annex A to F: Void



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## Annex G (informative): Change history

| Meeting<br>-1 <sup>st</sup> -<br>Level | Doc-1 <sup>st</sup> -Level | CR | Rev | Subject | Cat | Version-<br>Current | Version-<br>New | Doc-2 <sup>nd</sup> -Level |
|--|----------------------------|----|-----|---------|-----|---------------------|-----------------|----------------------------|
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| Meeting<br>-1 <sup>st</sup> -<br>Level | Doc-1 <sup>st</sup> -Level | CR   | Rev | Subject   | Cat | Version-<br>Current | Version-<br>New | Doc-2 <sup>nd</sup> -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 RAN#31   | -   | 1.0.0               | 2.0.0           | R5-061398                  |
| -                                      | -                          | -    | -   | Update to version 2.1.0 during RAN#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                  | 0001 | -   | Correction to TS 34.229-1 contents  | F   | 5.0.0               | 5.1.0           | R5-062360                  |
| RP-33                                  | RP-060565                  | 0002 | -   | Clarification to Emergency Test Case  | F   | 5.0.0               | 5.1.0           | R5-062543                  |
| RP-33                                  | RP-060565                  | 0003 | -   | Clarifications for SDP handling in TC 12.1 MO Call Successful   | F   | 5.0.0               | 5.1.0           | R5-062309                  |
| RP-33                                  | RP-060565                  | 0004 | -   | Test Case Correction on SigComp in the Initial registration   | F   | 5.0.0               | 5.1.0           | R5-062362                  |
| RP-33                                  | RP-060565                  | 0005 | -   | New TC on SigComp in the MO Call  | F   | 5.0.0               | 5.1.0           | R5-062323                  |
| RP-33                                  | RP-060565                  | 0006 | -   | 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                  | 0007 | -   | New TC on SigComp in the MT Call  | F   | 5.0.0               | 5.1.0           | R5-062363                  |
| RP-33                                  | RP-060565                  | 0008 | -   | New test cases for P-CSCF Discovery List  | F   | 5.0.0               | 5.1.0           | R5-062364                  |
| RP-33                                  | RP-060565                  | 0009 | -   | General IMS testing corrections and clarifications  | F   | 5.0.0               | 5.1.0           | R5-062371                  |
| RP-33                                  | RP-060565                  | 0010 | -   | 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                  | 0011 | -   | Correction for TC 8.4: Invalid Behaviour – 423 Interval Too Brief   | F   | 5.0.0               | 5.1.0           | R5-062216                  |
| RP-33                                  | RP-060565                  | 0012 | -   | Correction for TCs 9.1 and 9.2  | F   | 5.0.0               | 5.1.0           | R5-062370                  |
| RP-34                                  | RP-060746                  | 0013 | -   | 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                  | 0014 | -   | Introduction of a registration test case for early IMS security   | F   | 5.1.0               | 5.2.0           | R5-063384                  |
| RP-34                                  | RP-060746                  | 0015 | -   | 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                  | 0016 | -   | 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                  | 0017 | -   | 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                  | 0018 | -   | Removal of MO Call - 488 not accepted here for rel 5  | F   | 5.1.0               | 5.2.0           | R5-063330                  |
| RP-34                                  | RP-060746                  | 0019 | -   | Clarifications to MT test case  | F   | 5.1.0               | 5.2.0           | R5-063386                  |
| RP-34                                  | RP-060746                  | 0020 | -   | Corrections to MO with sigcomp test case  | F   | 5.1.0               | 5.2.0           | R5-063387                  |
| RP-34                                  | RP-060746                  | 0021 | -   | Corrections to P-CSCF Discovery (IPv6) test cases   | F   | 5.1.0               | 5.2.0           | R5-063388                  |
| RP-34                                  | RP-060746                  | 0022 | -   | New TCs on SigComp Invalid Behaviour  | F   | 5.1.0               | 5.2.0           | R5-063389                  |
| RP-34                                  | RP-060746                  | 0023 | -   | Addition of annex with the test ISIM parameters   | F   | 5.1.0               | 5.2.0           | R5-063390                  |
| RP-34                                  | RP-060746                  | 0024 | -   | Introduction of a postamble for IMS testing   | F   | 5.1.0               | 5.2.0           | R5-063391                  |
| RP-34                                  | RP-060746                  | 0025 | -   | Correction to Generic DHCP test procedure   | F   | 5.1.0               | 5.2.0           | R5-063242                  |
| RP-34                                  | RP-060746                  | 0027 | -   | Clarifications for IMS emergency call test case 14.2  | F   | 5.1.0               | 5.2.0           | R5-063522                  |
| RP-34                                  | RP-060746                  | 0028 | -   | 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                  | 0033 | -   | 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                  | 0026 | -   | 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                  |
| RP-34                                  | RP-060748                  | 0029 | -   | Updates to TC 11.1 Network-initiated deregistration for IMS Rel-6   | F   | 5.1.0               | 6.0.0           | R5-063574                  |
| RP-34                                  | RP-060748                  | 0030 | -   | Updates to TC 11.2 Network initiated re-authentication for IMS Rel-6  | F   | 5.1.0               | 6.0.0           | R5-063573                  |
| RP-34                                  | RP-060748                  | 0031 | -   | Updates to TC 12.1 MO Call Successful for IMS Rel-6   | F   | 5.1.0               | 6.0.0           | R5-063570                  |
| RP-34                                  | RP-060748                  | 0032 | -   | Updates to TC 8.1 Initial registration for IMS Rel-6  | F   | 5.1.0               | 6.0.0           | R5-063569                  |
| RP-35                                  | RP-070088                  | 0034 | -   | New TC 12.6   | F   | 6.0.0               | 6.1.0           | R5-070408                  |
| RP-35                                  | RP-070088                  | 0035 | -   | New TC 12.7   | F   | 6.0.0               | 6.1.0           | R5-070447                  |
| RP-35                                  | RP-070088                  | 0036 | -   | New TC 12.8   | F   | 6.0.0               | 6.1.0           | R5-070446                  |
| RP-35                                  | RP-070088                  | 0037 | -   | TC 8.5 Conformance requirement update   | F   | 6.0.0               | 6.1.0           | R5-070099                  |
| RP-35                                  | RP-070088                  | 0038 | -   | TC 8.6 Conformance requirement update   | F   | 6.0.0               | 6.1.0           | R5-070410                  |
| RP-35                                  | RP-070088                  | 0039 | -   | TC 8.7 Conformance requirement update   | F   | 6.0.0               | 6.1.0           | R5-070101                  |
| RP-35                                  | RP-070088                  | 0040 | -   | TC 12.2 Conformance requirement update  | F   | 6.0.0               | 6.1.0           | R5-070102                  |
| RP-35                                  | RP-070088                  | 0041 | -   | Corrections and updating default message according release 6  | F   | 6.0.0               | 6.1.0           | R5-070407                  |
| RP-35                                  | RP-070088                  | 0042 | -   | IMS security and early IMS security capability update   | F   | 6.0.0               | 6.1.0           | R5-070104                  |
| RP-35                                  | RP-070088                  | 0043 | -   | Correct missing IMS security in TC 14.2   | F   | 6.0.0               | 6.1.0           | R5-070105                  |

| Meeting<br>-1 <sup>st</sup> -<br>Level | Doc-1 <sup>st</sup> -Level | CR   | Rev | Subject  | Cat | Version-<br>Current | Version-<br>New | Doc-2 <sup>nd</sup> -Level |
|--|----------------------------|------|-----|--|-----|---------------------|-----------------|----------------------------|
| RP-35                                  | RP-070088                  | 0044 | -   | Rename TC 8.6 and 8.7 to include 'IMS security' instead of 'IMS support'   | F   | 6.0.0               | 6.1.0           | R5-070106                  |
| RP-35                                  | RP-070088                  | 0045 | -   | Updates to 34.229 TC 12.1  | F   | 6.0.0               | 6.1.0           | R5-070412                  |
| RP-35                                  | RP-070088                  | 0046 | -   | Corrections to P-CSCF Discovery (IPv4) test cases  | F   | 6.0.0               | 6.1.0           | R5-070413                  |
| RP-35                                  | RP-070088                  | 0047 | -   | New IMS CC test case for MO call initiation when MO UE supports and uses preconditions whereas MT UE does not support preconditions (TC 12.5). | F   | 6.0.0               | 6.1.0           | R5-070414                  |
| RP-35                                  | RP-070088                  | 0048 | -   | Updates to TC 8.2 User Initiated Re-Registration for IMS Rel-6   | F   | 6.0.0               | 6.1.0           | R5-070415                  |
| RP-35                                  | RP-070088                  | 0049 | -   | Removal of IMS CC test cases 7.7 and 7.8   | F   | 6.0.0               | 6.1.0           | R5-070210                  |
| RP-35                                  | RP-070088                  | 0050 | -   | Update IMS default message content for 503 Service Unavailable response  | F   | 6.0.0               | 6.1.0           | R5-070416                  |
| RP-35                                  | RP-070088                  | 0051 | -   | Update Specific message Content for 503 response in IMS TCs 10.1 and 12.2.   | F   | 6.0.0               | 6.1.0           | R5-070417                  |
| RP-35                                  | RP-070088                  | 0052 | -   | Updates to TC 13.1 SigComp in the Initial registration for IMS Rel-6   | F   | 6.0.0               | 6.1.0           | R5-070418                  |
| RP-35                                  | RP-070088                  | 0053 | -   | Updates to TC 13.2 SigComp in the MO Call for IMS Rel-6  | F   | 6.0.0               | 6.1.0           | R5-070419                  |
| RP-35                                  | RP-070089                  | 0054 | -   | Updates to TC 13.3 SigComp in the MT Call for IMS Rel-6  | F   | 6.0.0               | 6.1.0           | R5-070420                  |
| RP-35                                  | RP-070089                  | 0055 | -   | Updates to TC 13.4 State creation before authentication for IMS Rel-6  | F   | 6.0.0               | 6.1.0           | R5-070421                  |
| RP-35                                  | RP-070089                  | 0056 | -   | Correction to test case 7.4  | F   | 6.0.0               | 6.1.0           | R5-070309                  |
| RP-35                                  | RP-070089                  | 0057 | -   | Rel-6 ISIM parameters  | F   | 6.0.0               | 6.1.0           | R5-070310                  |
| RP-35                                  | RP-070089                  | 0058 | -   | Updates to TC 12.4 Call initiation – Mobile termination for IMS Rel-6  | F   | 6.0.0               | 6.1.0           | R5-070424                  |
| RP-35                                  | RP-070089                  | 0059 | -   | Updates to TC 8.3 User initiated deregistration for IMS Rel-6  | F   | 6.0.0               | 6.1.0           | R5-070425                  |
| RP-36                                  | RP-070362                  | 0060 | -   | Usage of comp=sigcomp parameter in IMS TC 13.4   | F   | 6.1.0               | 6.2.0           | R5-071059                  |
| RP-36                                  | RP-070362                  | 0061 | -   | IMS TC 7.1: Additional option for coding the IPv4 address in PCO IE  | F   | 6.1.0               | 6.2.0           | R5-071437                  |
| RP-36                                  | RP-070362                  | 0062 | -   | Clarification on Require header in the UPDATE message for MT SigComp TC  | F   | 6.1.0               | 6.2.0           | R5-071489                  |
| RP-36                                  | RP-070362                  | 0063 | -   | Splitting MO Call TC 12.1 to Rel-5 and Rel-6 variants  | F   | 6.1.0               | 6.2.0           | R5-071496                  |
| RP-36                                  | RP-070362                  | 0064 | -   | Corrections and updates to TC 12.6   | F   | 6.1.0               | 6.2.0           | R5-071497                  |
| RP-36                                  | RP-070362                  | 0065 | -   | Corrections and updates to TC 12.7   | F   | 6.1.0               | 6.2.0           | R5-071498                  |
| RP-36                                  | RP-070362                  | 0066 | -   | Corrections and updates to TC 12.8   | F   | 6.1.0               | 6.2.0           | R5-071499                  |
| RP-36                                  | RP-070362                  | 0067 | -   | New TC MO Call (no resource reservation, preconditions used)   | F   | 6.1.0               | 6.2.0           | R5-071500                  |
| RP-36                                  | RP-070362                  | 0068 | -   | New TC MT Call (no resource reservation, preconditions used)   | F   | 6.1.0               | 6.2.0           | R5-071501                  |
| RP-36                                  | RP-070362                  | 0069 | -   | Clarification of test case purpose for TC 8.7 (wrong spec nr on the coversheet indicating 34.229-2, initially)                                 | F   | 6.1.0               | 6.2.0           | R5-071488                  |
| RP-37                                  | RP-070607                  | 0070 | -   | Clarify parameter description in specific message contents   | F   | 6.2.0               | 6.3.0           | R5-072111                  |
| RP-37                                  | RP-070607                  | 0071 | -   | Update the SDP RFC reference   | F   | 6.2.0               | 6.3.0           | R5-072112                  |
| RP-37                                  | RP-070607                  | 0072 | -   | New TC User initiated re-registration for early IMS  | F   | 6.2.0               | 6.3.0           | R5-072113                  |
| RP-37                                  | RP-070607                  | 0073 | -   | Correction to IMS CC test case 12.4  | F   | 6.2.0               | 6.3.0           | R5-072119                  |
| RP-37                                  | RP-070594                  | 0074 | -   | Default message correction for 401 response  | F   | 6.2.0               | 6.3.0           | R5-072504                  |
| RP-37                                  | RP-070594                  | 0075 | -   | Correct check of ACK message in 12.9   | F   | 6.2.0               | 6.3.0           | R5-072508                  |
| RP-37                                  | RP-070594                  | 0076 | -   | Handling of optional PUBLISH messages  | F   | 6.2.0               | 6.3.0           | R5-072507                  |
| RP-37                                  | RP-070607                  | 0077 | -   | Correct the check of SDP answer to the SDP offer   | F   | 6.2.0               | 6.3.0           | R5-072511                  |
| RP-37                                  | RP-070607                  | 0078 | -   | Correct the re-invite message in 12.6  | F   | 6.2.0               | 6.3.0           | R5-072481                  |
| RP-37                                  | RP-070594                  | 0079 | -   | IMSCC Test 8.3 / Supported header in Register message for de-registration  | F   | 6.2.0               | 6.3.0           | R5-072505                  |
| RP-37                                  | RP-070594                  | 0080 | -   | Format of home domain name within the ISIM   | F   | 6.2.0               | 6.3.0           | R5-072506                  |
| RP-37                                  | RP-070607                  | 0081 | -   | New TC Mobile initiated de-registration for early IMS  | F   | 6.2.0               | 6.3.0           | R5-072495                  |
| RP-38                                  | RP-070874                  | 0087 | -   | IMS - Change of SUBSCRIBE Via header default value   | F   | 6.3.0               | 6.4.0           | R5-073468                  |
| RP-38                                  | RP-070874                  | 0086 | -   | Production of 34.229-1 pointer version in Rel-6 pointing to Rel-7 version  | F   | 6.3.0               | 6.4.0           | R5-073278                  |
| RP-38                                  | RP-070882                  | 0082 | -   | Updating references of 34.229-1 for MTSI and GRUU  | F   | 6.3.0               | 7.0.0           | R5-073036                  |
| RP-38                                  | RP-070882                  | 0083 | -   | Updating case 8.1 Initial Registration for 24.229 Rel-7  | F   | 6.3.0               | 7.0.0           | R5-073440                  |
| RP-38                                  | RP-070882                  | 0084 | -   | New IMS Rel-7 test case for MO MTSI voice call   | F   | 6.3.0               | 7.0.0           | R5-073298                  |
| RP-38                                  | RP-070882                  | 0085 | -   | New IMS Rel-7 test case for MO MTSI call hold  | F   | 6.3.0               | 7.0.0           | R5-073444                  |
| RP-39                                  | RP-080113                  | 0088 | -   | Centralizing rules for dialog identifiers to common messages   | F   | 7.0.0               | 7.1.0           | R5-080025                  |
| RP-39                                  | RP-080113                  | 0089 | -   | Updating conformance requirements of registration test cases for Rel-7   | F   | 7.0.0               | 7.1.0           | R5-080026                  |

| Meeting<br>-1 <sup>st</sup> -<br>Level | Doc-1 <sup>st</sup> -Level | CR   | Rev | Subject  | Cat | Version-<br>Current | Version-<br>New | Doc-2 <sup>nd</sup> -Level |
|--|----------------------------|------|-----|--|-----|---------------------|-----------------|----------------------------|
| RP-39                                  | RP-080113                  | 0090 |     | Updating references of 34.229-1 to IETF RFCs related to MTSI                   | F   | 7.0.0               | 7.1.0           | R5-080368                  |
| RP-39                                  | RP-080113                  | 0091 |     | New Annex F for generic requirements of MTSI supplementary services            | F   | 7.0.0               | 7.1.0           | R5-080598                  |
| RP-39                                  | RP-080113                  | 0092 |     | Update of common messages for MTSI communication service identifier            | F   | 7.0.0               | 7.1.0           | R5-080029                  |
| RP-39                                  | RP-080113                  | 0093 |     | New MTSI test case 15.12 MT call hold  | F   | 7.0.0               | 7.1.0           | R5-080485                  |
| RP-39                                  | RP-080113                  | 0094 |     | New MTSI test case 15.13 Incoming Communication Barring                        | F   | 7.0.0               | 7.1.0           | R5-080031                  |
| RP-39                                  | RP-080113                  | 0095 |     | New MTSI test case 15.23 MO Explicit Communication Transfer                    | F   | 7.0.0               | 7.1.0           | R5-080486                  |
| RP-39                                  | RP-080113                  | 0096 |     | IMS test case 8.3 / Supported Header and expire rule during de-registration    | F   | 7.0.0               | 7.1.0           | R5-080518                  |
| RP-39                                  | RP-080113                  | 0097 |     | Align via header for early IMS   | F   | 7.0.0               | 7.1.0           | R5-080542                  |
| RP-39                                  | RP-080113                  | 0098 |     | New MTSI test case MO MTSI Text call   | F   | 7.0.0               | 7.1.0           | R5-080547                  |
| RP-39                                  | RP-080113                  | 0099 |     | New MTSI test case Speech AMR, indicate all codec modes                        | F   | 7.0.0               | 7.1.0           | R5-080558                  |
| RP-39                                  | RP-080113                  | 0100 |     | New MTSI test case Speech AMR-WB, indicate all codec modes                     | F   | 7.0.0               | 7.1.0           | R5-080559                  |
| RP-39                                  | RP-080113                  | 0101 |     | New MTSI test case MT Video, add speech remove speech                          | F   | 7.0.0               | 7.1.0           | R5-080560                  |
| RP-39                                  | RP-080113                  | 0102 |     | New MTSI test case MT Video, add speech remove video                           | F   | 7.0.0               | 7.1.0           | R5-080561                  |
| RP-39                                  | RP-080113                  | 0103 |     | Add generic secondary PDP context procedure                                    | F   | 7.0.0               | 7.1.0           | R5-080092                  |
| RP-39                                  | RP-080113                  | 0104 |     | New MTSI test case for MO Consultative Explicit Communication Transfer         | F   | 7.0.0               | 7.1.0           | R5-080505                  |
| RP-39                                  | RP-080113                  | 0105 |     | New MTSI test case for MT Consultative Explicit Communication Transfer         | F   | 7.0.0               | 7.1.0           | R5-080506                  |
| RP-40                                  | RP-080375                  | 0106 |     | Updating references and ICSI statements related to MTSI                        | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081047</a>  |
| RP-40                                  | RP-080375                  | 0107 |     | Fix to SDP handling in MTSI test case 16.3.                                    | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081540</a>  |
| RP-40                                  | RP-080375                  | 0108 |     | Branch value of Via header in MT messages                                      | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081049</a>  |
| RP-40                                  | RP-080375                  | 0109 |     | Introducing conditions for MO and MT versions of IMS common messages           | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081050</a>  |
| RP-40                                  | RP-080375                  | 0110 |     | New MTSI test case 15.6 Communication Deflection                               | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081539</a>  |
| RP-40                                  | RP-080375                  | 0111 |     | New MTSI test case 15.17 Creating a conference                                 | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081052</a>  |
| RP-40                                  | RP-080375                  | 0112 |     | New MTSI test case 17.1 MO Speech add video remove video                       | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081541</a>  |
| RP-40                                  | RP-080375                  | 0113 |     | New MTSI test case 15.5 Communication Forwarding unconditional                 | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081054</a>  |
| RP-40                                  | RP-080375                  | 0114 |     | New MTSI test case 15.24 MT ECT - Blind Call Transfer                          | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081055</a>  |
| RP-40                                  | RP-080375                  | 0115 |     | Update conformance requirement for TC 8.5                                      | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081070</a>  |
| RP-40                                  | RP-080375                  | 0116 |     | Update conformance requirement for TC 8.6                                      | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081071</a>  |
| RP-40                                  | RP-080375                  | 0117 |     | Update conformance requirement for TC 8.7                                      | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081072</a>  |
| RP-40                                  | RP-080375                  | 0118 |     | Update conformance requirement for TC 8.8                                      | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081073</a>  |
| RP-40                                  | RP-080375                  | 0119 |     | New MTSI test case MT MTSI Speech call   | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081542</a>  |
| RP-40                                  | RP-080375                  | 0120 |     | New MTSI test case MT MTSI Video call  | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081543</a>  |
| RP-40                                  | RP-080375                  | 0121 |     | New MTSI test case Speech AMR indicate selective codec modes                   | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081553</a>  |
| RP-40                                  | RP-080375                  | 0122 |     | New MTSI test case Speech AMR-WB indicate selective codec modes                | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081545</a>  |
| RP-40                                  | RP-080375                  | 0123 |     | New MTSI test case MT Speech add video remove video                            | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081546</a>  |
| RP-40                                  | RP-080375                  | 0124 |     | New MTSI test case MT Speech add video remove speech                           | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081547</a>  |
| RP-40                                  | RP-080375                  | 0125 |     | Updating the content of the default INVITE message to Rel-7                    | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081537</a>  |
| RP-40                                  | RP-080427                  | 0126 |     | Correction to 380 Alternative Service message                                  | F   | 7.1.0               | 7.2.0           | <a href="#">R5-081538</a>  |
| RP-41                                  | RP-080563                  | 0127 |     | Add generic procedures for MTSI MT speech call, MT video call and MT text call | F   | 7.2.0               | 7.3.0           | R5-083113                  |
| RP-41                                  | RP-080563                  | 0128 |     | Update MTSI test case 12.13  | F   | 7.2.0               | 7.3.0           | R5-083114                  |
| RP-41                                  | RP-080563                  | 0129 |     | Update MTSI test case 12.15  | F   | 7.2.0               | 7.3.0           | R5-083115                  |
| RP-41                                  | RP-080563                  | 0130 |     | New MTSI test case 12.17 MT MTSI Text call                                     | F   | 7.2.0               | 7.3.0           | R5-083116                  |
| RP-41                                  | RP-080563                  | 0131 |     | Update MTSI test case 16.1   | F   | 7.2.0               | 7.3.0           | R5-083126                  |
| RP-41                                  | RP-080563                  | 0132 |     | Update MTSI test case 16.2   | F   | 7.2.0               | 7.3.0           | R5-083127                  |
| RP-41                                  | RP-080563                  | 0133 |     | Update MTSI test case 16.3   | F   | 7.2.0               | 7.3.0           | R5-083128                  |
| RP-41                                  | RP-080563                  | 0134 |     | Update MTSI test case 16.4   | F   | 7.2.0               | 7.3.0           | R5-083129                  |
| RP-41                                  | RP-080563                  | 0135 |     | New MTSI test case 16.5 Video H.263 profile 0                                  | F   | 7.2.0               | 7.3.0           | R5-083130                  |
| RP-41                                  | RP-080563                  | 0136 |     | New MTSI test case 16.6 Video H.263 profile 3                                  | F   | 7.2.0               | 7.3.0           | R5-083131                  |
| RP-41                                  | RP-080563                  | 0137 |     | New MTSI test case 16.7 Video H.264  | F   | 7.2.0               | 7.3.0           | R5-083132                  |

| Meeting<br>-1 <sup>st</sup> -<br>Level | Doc-1 <sup>st</sup> -Level | CR   | Rev | Subject   | Cat | Version-<br>Current | Version-<br>New | Doc-2 <sup>nd</sup> -Level |
|--|----------------------------|------|-----|---|-----|---------------------|-----------------|----------------------------|
| RP-41                                  | RP-080563                  | 0138 |     | New MTSI test case 16.8 Video MPEG-4  | F   | 7.2.0               | 7.3.0           | R5-083133                  |
| RP-41                                  | RP-080563                  | 0139 |     | Update MTSI test case 12.16   | F   | 7.2.0               | 7.3.0           | R5-083392                  |
| RP-41                                  | RP-080557                  | 0140 |     | Removal of IMS test case 13.4   | F   | 7.2.0               | 7.3.0           | R5-083489                  |
| RP-41                                  | RP-080563                  | 0141 |     | New MTSI test case 17.12 MT Video, add text   | F   | 7.2.0               | 7.3.0           | R5-083554                  |
| RP-41                                  | RP-080563                  | 0142 |     | New MTSI test case 17.18 MT Text, add video   | F   | 7.2.0               | 7.3.0           | R5-083557                  |
| RP-41                                  | RP-080563                  | 0143 |     | Addition of new MTSI test case for Originating Identification Presentation                  | F   | 7.2.0               | 7.3.0           | R5-083558                  |
| RP-41                                  | RP-080563                  | 0144 |     | Addition of new MTSI test case for Origination Identification Restriction                   | F   | 7.2.0               | 7.3.0           | R5-083559                  |
| RP-41                                  | RP-080563                  | 0145 |     | Update MTSI test case 17.2  | F   | 7.2.0               | 7.3.0           | R5-083627                  |
| RP-41                                  | RP-080563                  | 0146 |     | Update MTSI test case 17.4  | F   | 7.2.0               | 7.3.0           | R5-083628                  |
| RP-41                                  | RP-080563                  | 0147 |     | Update MTSI test case 17.8  | F   | 7.2.0               | 7.3.0           | R5-083629                  |
| RP-41                                  | RP-080563                  | 0148 |     | Update MTSI test case 17.10   | F   | 7.2.0               | 7.3.0           | R5-083630                  |
| RP-41                                  | RP-080563                  | 0149 |     | New MTSI test case 17.14 MT Text, add speech remove speech                                  | F   | 7.2.0               | 7.3.0           | R5-083631                  |
| RP-41                                  | RP-080563                  | 0150 |     | New MTSI test case 17.16 MT Text, add speech remove text                                    | F   | 7.2.0               | 7.3.0           | R5-083632                  |
| RP-41                                  | RP-080563                  | 0151 |     | New MTSI test case 17.6 MT Speech, add text   | F   | 7.2.0               | 7.3.0           | R5-083119                  |
| RP-42                                  | RP-080966                  | 0152 |     | Removing unnecessary exceptions from MTSI test case 12.4.                                   | F   | 7.3.0               | 7.4.0           | R5-085040                  |
| RP-42                                  | RP-080966                  | 0153 |     | Updating generic requirements and XCAP test cases for XCAP authentication                   | F   | 7.3.0               | 7.4.0           | R5-085041                  |
| RP-42                                  | RP-080966                  | 0154 |     | New MTSI test case 15.14 Incoming Communication Barring for anonymous users                 | F   | 7.3.0               | 7.4.0           | R5-085043                  |
| RP-42                                  | RP-080966                  | 0155 |     | New MTSI test case 15.7 Communication Forwarding on non Reply: activation                   | F   | 7.3.0               | 7.4.0           | R5-085044                  |
| RP-42                                  | RP-080966                  | 0156 |     | New MTSI test case 15.21 Joining a conference after being invited to it                     | F   | 7.3.0               | 7.4.0           | R5-085046                  |
| RP-42                                  | RP-080966                  | 0157 |     | New MTSI test case 15.8 Communication Forwarding on non Reply: MO call initiation           | F   | 7.3.0               | 7.4.0           | R5-085047                  |
| RP-42                                  | RP-080966                  | 0158 |     | Corrections to IMS CC test case 11.2 Network initiated re-authentication                    | F   | 7.3.0               | 7.4.0           | R5-085050                  |
| RP-42                                  | RP-080966                  | 0159 |     | Update 12.13 MT MTSI speech call  | F   | 7.3.0               | 7.4.0           | R5-085265                  |
| RP-42                                  | RP-080966                  | 0160 |     | Update annex C.11 MTSI MT speech call   | F   | 7.3.0               | 7.4.0           | R5-085266                  |
| RP-42                                  | RP-080966                  | 0161 |     | Add chapter headings for chapter 16 and 17  | F   | 7.3.0               | 7.4.0           | R5-085267                  |
| RP-42                                  | RP-080966                  | 0162 |     | Correction to add the referencea to the PICS statements in Annex A                          | F   | 7.3.0               | 7.4.0           | R5-085341                  |
| RP-42                                  | RP-080966                  | 0163 |     | Remove non MTSI related call setup test cases   | F   | 7.3.0               | 7.4.0           | R5-085350                  |
| RP-42                                  | RP-080966                  | 0164 |     | Clarify GRUU applicability  | F   | 7.3.0               | 7.4.0           | R5-085351                  |
| RP-42                                  | RP-080966                  | 0165 |     | Add generic procedures for MTSI MO speech call, call hold and conference call               | F   | 7.3.0               | 7.4.0           | R5-085405                  |
| RP-42                                  | RP-080966                  | 0166 |     | New MTSI test case 16.10 MO MTSI Text session with MSRP                                     | F   | 7.3.0               | 7.4.0           | R5-085406                  |
| RP-42                                  | RP-080966                  | 0167 |     | Update 16.1 Speech AMR, indicate all codec modes  | F   | 7.3.0               | 7.4.0           | R5-085426                  |
| RP-42                                  | RP-080966                  | 0168 |     | Update 16.2 Speech AMR, indicate selective codec modes                                      | F   | 7.3.0               | 7.4.0           | R5-085427                  |
| RP-42                                  | RP-080966                  | 0169 |     | Update 16.3 Speech AMR-WB, indicate all codec modes   | F   | 7.3.0               | 7.4.0           | R5-085428                  |
| RP-42                                  | RP-080966                  | 0170 |     | Update 16.4 Speech AMR-WB, indicate selective codec mode                                    | F   | 7.3.0               | 7.4.0           | R5-085429                  |
| RP-42                                  | RP-080966                  | 0171 |     | Update 17.2 MT Speech, add video remove video   | F   | 7.3.0               | 7.4.0           | R5-085432                  |
| RP-42                                  | RP-080966                  | 0172 |     | Update of MTSI test cases for adding/removing media   | F   | 7.3.0               | 7.4.0           | R5-085443                  |
| RP-42                                  | RP-080966                  | 0173 |     | New MTSI test case 15.18 Inviting user to conference by sending a REFER request to the user | F   | 7.3.0               | 7.4.0           | R5-085445                  |
| RP-42                                  | RP-080966                  | 0174 |     | Remove MTSI test cases for non mandatory use cases  | F   | 7.3.0               | 7.4.0           | R5-085446                  |
| RP-43                                  | RP-090205                  | 0175 | -   | Update of TS 34.229-1 from Rel-7 to Rel-8   |     | 7.4.0               | 8.0.0           | R5-090763                  |
| RP-43                                  | RP-090213                  | 0202 | -   | IMS test case 8.9 / Supported Header and expire rule during de-registration                 |     | 8.0.0               | 8.1.0           | R5-090206                  |
| RP-43                                  | RP-090213                  | 0176 | -   | Addition of new MTSI test case for Terminating Identification Presentation                  |     | 8.0.0               | 8.1.0           | R5-090545                  |
| RP-43                                  | RP-090213                  | 0177 | -   | Addition of new MTSI test case for Terminating Identification Restriction                   |     | 8.0.0               | 8.1.0           | R5-090546                  |
| RP-43                                  | RP-090213                  | 0178 | -   | Updates to MTSI TCs 12.12 and 17.1 for MO speech and video                                  |     | 8.0.0               | 8.1.0           | R5-090584                  |
| RP-43                                  | RP-090213                  | 0179 | -   | New MTSI test case 15.19 for inviting user to conference via conference focus               |     | 8.0.0               | 8.1.0           | R5-090593                  |
| RP-43                                  | RP-090213                  | 0180 | -   | New MTSI test case 15.9 Communication Forwarding on Busy                                    |     | 8.0.0               | 8.1.0           | R5-090594                  |
| RP-43                                  | RP-090213                  | 0181 | -   | New MTSI test case 15.10 Communication Forwarding not logged in                             |     | 8.0.0               | 8.1.0           | R5-090595                  |

| Meeting<br>-1 <sup>st</sup> -<br>Level | Doc-1 <sup>st</sup> -Level | CR   | Rev | Subject   | Cat | Version-<br>Current | Version-<br>New | Doc-2 <sup>nd</sup> -Level |
|--|----------------------------|------|-----|---|-----|---------------------|-----------------|----------------------------|
| RP-43                                  | RP-090213                  | 0182 | -   | New MTSI test case 15.15 Subscription to the MWI event package                                    |     | 8.0.0               | 8.1.0           | R5-090596                  |
| RP-43                                  | RP-090213                  | 0183 | -   | New MTSI test case 17.5 MO Speech, add text   |     | 8.0.0               | 8.1.0           | R5-090597                  |
| RP-43                                  | RP-090213                  | 0184 | -   | Harmonizing the requirements within MTSI XCAP test cases  |     | 8.0.0               | 8.1.0           | R5-090598                  |
| RP-43                                  | RP-090213                  | 0185 | -   | Add annex MTSI MT speech call, SS resources available   |     | 8.0.0               | 8.1.0           | R5-090599                  |
| RP-43                                  | RP-090213                  | 0186 | -   | New MTSI test case 16.11  |     | 8.0.0               | 8.1.0           | R5-090600                  |
| RP-43                                  | RP-090213                  | 0187 | -   | New MTSI test case 16.12  |     | 8.0.0               | 8.1.0           | R5-090601                  |
| RP-43                                  | RP-090213                  | 0188 | -   | Remove video only based codec selection test cases  |     | 8.0.0               | 8.1.0           | R5-090603                  |
| RP-43                                  | RP-090213                  | 0189 | -   | Update MTSI test case 17.2  |     | 8.0.0               | 8.1.0           | R5-090613                  |
| RP-43                                  | RP-090213                  | 0190 | -   | Update MTSI test case 17.6  |     | 8.0.0               | 8.1.0           | R5-090614                  |
| RP-43                                  | RP-090213                  | 0191 | -   | Update MTSI test case 17.18   |     | 8.0.0               | 8.1.0           | R5-090615                  |
| RP-43                                  | RP-090213                  | 0192 | -   | Add annex MTSI MO text call   |     | 8.0.0               | 8.1.0           | R5-090617                  |
| RP-43                                  | RP-090213                  | 0193 | -   | Update MTSI test case 12.16   |     | 8.0.0               | 8.1.0           | R5-090618                  |
| RP-43                                  | RP-090213                  | 0194 | -   | New MTSI test case 17.17  |     | 8.0.0               | 8.1.0           | R5-090619                  |
| RP-43                                  | RP-090213                  | 0195 | -   | Update annex C.11 MTSI MT speech call   |     | 8.0.0               | 8.1.0           | R5-090620                  |
| RP-43                                  | RP-090214                  | 0196 | -   | Update annex C.13 MTSI MT text call   |     | 8.0.0               | 8.1.0           | R5-090621                  |
| RP-43                                  | RP-090214                  | 0197 | -   | Update MTSI test case 12.13   |     | 8.0.0               | 8.1.0           | R5-090622                  |
| RP-43                                  | RP-090214                  | 0198 | -   | Update MTSI test case 12.17   |     | 8.0.0               | 8.1.0           | R5-090623                  |
| RP-43                                  | RP-090214                  | 0199 | -   | New MTSI test case 16.13  |     | 8.0.0               | 8.1.0           | R5-090660                  |
| RP-43                                  | RP-090214                  | 0200 | -   | Remove non MTSI related call setup test cases (2 <sup>nd</sup> )                                  |     | 8.0.0               | 8.1.0           | R5-090661                  |
| RP-43                                  | RP-090214                  | 0201 | -   | Remove MTSI test case 17.8  |     | 8.0.0               | 8.1.0           | R5-090662                  |
| RP-44                                  | RP-090433                  | 0202 | -   | Update IMS test case 8.1, 8.2 and 8.6 with registration expire requirements                       |     | 8.1.0               | 8.2.0           | R5-092062                  |
| RP-44                                  | RP-090433                  | 0203 | -   | Update IMS test case 8.3 and 8.9 with registration expire requirements                            |     | 8.1.0               | 8.2.0           | R5-092063                  |
| RP-44                                  | RP-090433                  | 0204 | -   | Update IMS test case 8.5, 8.7 and 8.8 with registration expire requirements                       |     | 8.1.0               | 8.2.0           | R5-092064                  |
| RP-44                                  | RP-090433                  | 0205 | -   | Correction of registration expire requirements in annex A   |     | 8.1.0               | 8.2.0           | R5-092065                  |
| RP-44                                  | RP-090433                  | 0206 | -   | Update of MTSI test case 15.15  |     | 8.1.0               | 8.2.0           | R5-092217                  |
| RP-44                                  | RP-090433                  | 0207 | -   | Correction of MTSI icSI requirements  |     | 8.1.0               | 8.2.0           | R5-092566                  |
| RP-45                                  | RP-090794                  | 0208 | -   | Update test cases 16.1, 16.2, 16.3 and 16.4 with multiple SDP check                               | F   | 8.2.0               | 8.3.0           | R5-094352                  |
| RP-45                                  | RP-090794                  | 0209 | -   | Update annex C.13 and C.16 with multiple SDP check  | F   | 8.2.0               | 8.3.0           | R5-094353                  |
| RP-45                                  | RP-090795                  | 0210 | -   | Addition of P-Asserted-Identity header field to the 380 Alternative Service message               | F   | 8.2.0               | 8.3.0           | R5-094440                  |
| RP-46                                  | RP-091118                  | 0211 | -   | Update SDP speech offer for test case 12.13, annex C.11 and C.16                                  | F   | 8.3.0               | 8.4.0           | R5-095806                  |
| RP-46                                  | RP-091118                  | 0212 | -   | Update SDP speech offer for test cases 15.6   | F   | 8.3.0               | 8.4.0           | R5-095807                  |
| RP-46                                  | RP-091118                  | 0213 | -   | Update SDP speech offer for test cases 16.1, 16.2, 16.3 and 16.4                                  | F   | 8.3.0               | 8.4.0           | R5-095808                  |
| RP-46                                  | RP-091118                  | 0214 | -   | Update SDP speech offer for test cases 17.2 and 17.6  | F   | 8.3.0               | 8.4.0           | R5-095809                  |
| RP-46                                  | RP-091118                  | 0215 | -   | Correct gruU requirements in annex A  | F   | 8.3.0               | 8.4.0           | R5-095810                  |
| RP-46                                  | RP-091116                  | 0216 | -   | Update test case 14.2 with XML correction   | F   | 8.3.0               | 8.4.0           | R5-095812                  |
| RP-46                                  | RP-091116                  | 0217 | -   | Correct XML schema in 380 Alternative Service message   | F   | 8.3.0               | 8.4.0           | R5-095813                  |
| RP-46                                  | RP-091118                  | 0218 | -   | Update IMS test case 8.1, 8.5, 8.6 and 8.7 with registration expire corrections                   | F   | 8.3.0               | 8.4.0           | R5-095816                  |
| RP-46                                  | RP-091118                  | 0219 | -   | Update IMS test case 8.1, 8.5, 8.6 and 8.7 with subscribe correction                              | F   | 8.3.0               | 8.4.0           | R5-095817                  |
| RP-46                                  | RP-091118                  | 0220 | -   | Update test case 12.2   | F   | 8.3.0               | 8.4.0           | R5-096182                  |
| RP-46                                  | RP-091118                  | 0221 | -   | Update test cases 16.11, 16.12 and 16.13 with multiple SDP check                                  | F   | 8.3.0               | 8.4.0           | R5-096625                  |
| RP-46                                  | RP-091118                  | 0222 | -   | Update test cases 17.2, 17.6 and 17.18 with multiple SDP check                                    | F   | 8.3.0               | 8.4.0           | R5-096626                  |
| RP-47                                  | RP-100155                  | 0223 | -   | Add references for SMS over IP  | F   | 8.4.0               | 8.5.0           | R5-100505                  |
| RP-47                                  | RP-100155                  | 0224 | -   | Update message REGISTER for SMS   | F   | 8.4.0               | 8.5.0           | R5-100506                  |
| RP-47                                  | RP-100155                  | 0225 | -   | Update test case 8.1 for SMS  | F   | 8.4.0               | 8.5.0           | R5-100508                  |
| RP-47                                  | RP-100155                  | 0226 | -   | Add new test case 18.2 for SMS  | F   | 8.4.0               | 8.5.0           | R5-100509                  |
| RP-47                                  | RP-100155                  | 0227 | -   | Add default messages for SMS  | F   | 8.4.0               | 8.5.0           | R5-100785                  |
| RP-47                                  | RP-100155                  | 0228 | 1   | Addition of new SMS over IMS test case 18.1   | F   | 8.4.0               | 8.5.0           | R5-101180                  |
| RP-48                                  | RP-100511                  | 0239 | -   | Removal of technical content in 34.229-1 v8.5.0 and substitution with pointer to the next Release | B   | 8.5.0               | 8.6.0           | R5-103229                  |

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## History

| <b>Document history</b> |               |             |
|-------------------------|---------------|-------------|
| V8.0.0                  | January 2009  | Publication |
| V8.1.0                  | April 2009    | Publication |
| V8.2.0                  | June 2009     | Publication |
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