



**5G;**  
**Internet Protocol (IP) multimedia call control protocol based on**  
**Session Initiation Protocol (SIP)**  
**and Session Description Protocol (SDP);**  
**User Equipment (UE) conformance specification;**  
**Part 5: Protocol conformance specification**  
**using 5G System (5GS)**  
**(3GPP TS 34.229-5 version 16.11.0 Release 16)**



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Reference

RTS/TSGR-0534229-5v0

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Keywords

5G

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# 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:

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where:

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  - 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, certain 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" shall not be used as 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.

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## Introduction

The present document is the fifth part of a multi-part conformance specification valid for 3GPP Release 15 and later releases:

3GPP TS 34.229-1 [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 1: Protocol conformance specification".

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

3GPP TS 34.229-3 [4]: "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)".

3GPP TS 34.229-4 [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 4: Enabler for IP multimedia applications testing".

**3GPP TS 34.229-5 (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 5: Protocol conformance specification using 5G System (5GS)".**

NOTE 1: The ATS is written in a standard testing language, TTCN-3, as defined in ETSI ES 201 873, Parts 1 to 3 [8], [9] and [10].

NOTE 2: Further information on testing can be found in ETSI ETS 300 406 [11] and ISO/IEC 9646-1 [12].

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 [4]).

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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) when using the 5G System (5GS).

This is the fifth 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
- the test procedure.

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

- Implementation Conformance Statement (ICS) pro-forma and the applicability of each test case [3].

The present document is valid for UE implemented according to 3GPP Releases starting from Release 15 up to the Release indicated on the cover page of the present document.

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# 2 References

## 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 [53] (void)

[54] 3GPP TS 34.229-5 Release 17: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 5: Protocol conformance specification using 5G System (5GS)"

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## 3 Definitions of terms, 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 34.229-5 Release 17 [54].

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## 5 to 11 Void



## Annex A: Void

## Annex B (informative): Change history

Change history							
Date	Meeting	TDoc	CR	Re v	Cat	Subject/Comment	New version
2019-10	RAN5#85	R5-197746	-	-	-	First draft version V0.1.0 made available	0.1.0
2019-11	RAN5#85	R5-198832	-	-	-	Second draft version V0.2.0 made available, implementing pCRs R5-197934, R5-198899, R5-198239, R5-198240, and R5-198241	0.2.0
2020-06	RAN5#87-e	R5-201458	-	-	-	Third draft version V0.3.0 made available, implementing pCRs R5-202693, R5-202686, R5-202687, R5-202688, R5-202689, R5-202678, R5-202679, R5-202680, R5-202681, R5-202682, R5-202690, R5-202683, R5-202684, R5-202685, R5-202691, R5-202692	0.3.0
2020-06	RAN5#87-e	-	-	-	-	Raised to v15.0.0	15.0.0
2020-09	RAN5#88-e	R5-203437	0004	-	F	Corrections to A.2 on IMS Registration	15.1.0
2020-09	RAN5#88-e	R5-203439	0006	-	F	New generic procedure for MT Call Release	15.1.0
2020-09	RAN5#88-e	R5-203440	0007	-	F	Adding references as needed	15.1.0
2020-09	RAN5#88-e	R5-203441	0008	-	F	Corrections to test cases 7.6 and 7.7	15.1.0
2020-09	RAN5#88-e	R5-203442	0009	-	F	Corrections to test case 6.1	15.1.0
2020-09	RAN5#88-e	R5-203443	0010	-	F	Corrections to test case 6.2	15.1.0
2020-09	RAN5#88-e	R5-203445	0012	-	F	Corrections to test case 6.4	15.1.0
2020-09	RAN5#88-e	R5-203447	0013	-	F	Corrections to test case 6.5	15.1.0
2020-09	RAN5#88-e	R5-203448	0014	-	F	Corrections to test case 6.6	15.1.0
2020-09	RAN5#88-e	R5-203452	0015	-	F	Corrections to test case 6.7	15.1.0
2020-09	RAN5#88-e	R5-203453	0016	-	F	Corrections to test case 6.8	15.1.0
2020-09	RAN5#88-e	R5-203454	0017	-	F	Corrections to test case 6.9	15.1.0
2020-09	RAN5#88-e	R5-203461	0018	-	F	Corrections to MTSI MT Voice Call TC 7.6	15.1.0
2020-09	RAN5#88-e	R5-203462	0019	-	F	Corrections to Annex A.5.1	15.1.0
2020-09	RAN5#88-e	R5-204477	0001	1	F	Addition of IMS NR TC 9.4-MT Concatenated SMS	15.1.0
2020-09	RAN5#88-e	R5-204478	0002	1	F	Addition of IMS NR TC 9.5-MO SMS RP-ERROR	15.1.0
2020-09	RAN5#88-e	R5-204479	0003	1	F	Addition of IMS NR TC 10.1-emergency call with registration and Location	15.1.0
2020-09	RAN5#88-e	R5-204480	0005	1	F	Adding details for A.3 for IMS Emergency Registration	15.1.0
2020-09	RAN5#88-e	R5-204481	0011	1	F	Corrections to test case 6.3	15.1.0
2020-09	RAN5#88-e	R5-204482	0020	1	F	Addition of new IMS 5GS test case 9.1	15.1.0
2020-09	RAN5#88-e	R5-204483	0021	1	F	Addition of new IMS 5GS test case 9.2	15.1.0
2020-09	RAN5#88-e	R5-204484	0022	1	F	New generic IMS procedures for use in EPS fallback	15.1.0
2020-09	RAN5#88-e	R5-204485	0023	1	F	Addition of NR TC 8.18 Barring of All Incoming Calls / except for a specific user / 5GS	15.1.0
2020-09	RAN5#88-e	R5-204486	0024	1	F	Addition of NR TC 9.3 Mobile Originating Concatenated SMS / 5GS	15.1.0
2020-09	RAN5#88-e	R5-204487	0026	1	F	Addition of new IMS test case 8.1	15.1.0
2020-12	RAN5#89-e	R5-205113	0029		F	Corrections to A.9 on EPS Fallback	15.2.0
2020-12	RAN5#89-e	R5-205115	0030		F	Corrections to A.2 and addition of A.10	15.2.0
2020-12	RAN5#89-e	R5-205157	0033		F	Correction to 5GS IMS test case 9.3	15.2.0
2020-12	RAN5#89-e	R5-205158	0034		F	Correction to 5GS IMS test case 9.4	15.2.0
2020-12	RAN5#89-e	R5-205159	0035		F	Correction to 5GS IMS test case 9.5	15.2.0
2020-12	RAN5#89-e	R5-205185	0037		F	New generic procedure for Re-Registration	15.2.0
2020-12	RAN5#89-e	R5-205217	0043		F	Corrections to test case 6.6	15.2.0
2020-12	RAN5#89-e	R5-205219	0044		F	Corrections to A.7	15.2.0
2020-12	RAN5#89-e	R5-205220	0045		F	New References	15.2.0
2020-12	RAN5#89-e	R5-205311	0046		F	Corrections to generic procedure A.4 on MO Voice Call	15.2.0
2020-12	RAN5#89-e	R5-205312	0047		F	Corrections to generic procedure A.5 on MT Voice Call	15.2.0
2020-12	RAN5#89-e	R5-205518	0057		F	Corrections to A.6	15.2.0
2020-12	RAN5#89-e	R5-205585	0063		F	Correction to Clause A.2	15.2.0
2020-12	RAN5#89-e	R5-206287	0031	1	F	Correction to 5GS IMS test case 9.1	15.2.0
2020-12	RAN5#89-e	R5-206372	0032	1	F	Correction to 5GS IMS test case 9.2	15.2.0
2020-12	RAN5#89-e	R5-206373	0036	1	F	New generic procedure for Mobile Initiated De-Registration	15.2.0
2020-12	RAN5#89-e	R5-206374	0038	1	F	Introduction of generic procedures for IMS MO and MT SMS	15.2.0
2020-12	RAN5#89-e	R5-206375	0039	1	F	Addition of MTSI MT Voice Call Test Case 7.8	15.2.0
2020-12	RAN5#89-e	R5-206376	0040	1	F	Addition of MTSI MT Voice Call Test Case 7.9	15.2.0
2020-12	RAN5#89-e	R5-206377	0041	1	F	Addition of MTSI MT Voice Call Test Case 7.11	15.2.0
2020-12	RAN5#89-e	R5-206378	0048	1	F	Editorial correction to add the title of section 10	15.2.0
2020-12	RAN5#89-e	R5-206379	0049	1	F	Addition of IMS NR TC 7.3-MO Voice 421 Extension Required	15.2.0
2020-12	RAN5#89-e	R5-206468	0050	2	F	Addition of IMS NR TC 7.12-MO Voice MO-MT UE with-without preconditions	15.2.0
2020-12	RAN5#89-e	R5-206381	0051	1	F	Addition of IMS NR TC 7.10-MT Voice without preconditions and SDP offer	15.2.0
2020-12	RAN5#89-e	R5-206382	0058	1	F	Update test case 7.4, 7.5, 7.6 and 7.7	15.2.0
2020-12	RAN5#89-e	R5-206383	0060	1	F	Correction to 5GS IMS TC 6.1	15.2.0
2020-12	RAN5#89-e	R5-206384	0062	1	F	Addition of New IMS over 5GS TC 7.2 MTSI MO Voice Call / 504 Server Time-out / 5GS	15.2.0
2020-12	RAN5#89-e	R5-206385	0068	1	F	Addition of new IMS over 5GS TC 7.1 MTSI MO Voice Call / 503 Service Unavailable / 5GS	15.2.0
2020-12	RAN5#89-e	R5-206386	0069	1	F	Correction to 5GS IMS TC 6.7	15.2.0

2021-01	RAN5#89-e	-	-	-	-	History correction for R5-206468. Corrected parts of implementations of R5-206287 and R5-206386	15.2.1
2021-03	RAN5#90-e	R5-210056	0070	-	F	Corrections to A.5 on MT Voice Call	15.3.0
2021-03	RAN5#90-e	R5-210057	0071	-	F	Corrections to test case 6.3	15.3.0
2021-03	RAN5#90-e	R5-210095	0073	-	F	Corrections to test case 6.4	15.3.0
2021-03	RAN5#90-e	R5-210196	0084	-	F	Corrections to SMS test case 9.5	15.3.0
2021-03	RAN5#90-e	R5-210259	0085	-	F	Corrections to A.11	15.3.0
2021-03	RAN5#90-e	R5-210343	0090	-	F	Corrections and extensions to test case 7.4	15.3.0
2021-03	RAN5#90-e	R5-210348	0091	-	F	Adding NG.114 dependencies to Annex A.4	15.3.0
2021-03	RAN5#90-e	R5-210659	0104	-	F	Withdrawing NR IMS TC 7.3-MO voice-UE preconditions enabled but not included in INVITE	15.3.0
2021-03	RAN5#90-e	R5-210882	0114	-	F	Correction to NR IMS TC 7.1-Shorter Retry-after period	15.3.0
2021-03	RAN5#90-e	R5-211334	0072	1	F	Addition of IMS over 5GS test case 7.25	15.3.0
2021-03	RAN5#90-e	R5-211421	0074	1	F	Addition of IMS over 5GS test case 7.27	15.3.0
2021-03	RAN5#90-e	R5-211422	0075	1	F	Addition of IMS over 5GS test case 7.28	15.3.0
2021-03	RAN5#90-e	R5-211423	0076	1	F	Addition of IMS over 5GS test case 7.29	15.3.0
2021-03	RAN5#90-e	R5-211424	0077	1	F	Addition of IMS over 5GS test case 7.30	15.3.0
2021-03	RAN5#90-e	R5-211425	0078	1	F	Addition of IMS over 5GS test case 7.31	15.3.0
2021-03	RAN5#90-e	R5-211426	0079	1	F	Addition of IMS over 5GS test case 7.32	15.3.0
2021-03	RAN5#90-e	R5-211427	0080	1	F	Addition of IMS over 5GS test case 7.33	15.3.0
2021-03	RAN5#90-e	R5-211428	0081	1	F	Addition of IMS over 5GS test case 7.34	15.3.0
2021-03	RAN5#90-e	R5-211429	0083	1	F	Update test case 7.4, 7.5, 7.6 and 7.7	15.3.0
2021-03	RAN5#90-e	R5-211430	0092	1	F	Editorial corrections to TS 34.229-5	15.3.0
2021-03	RAN5#90-e	R5-211431	0094	1	F	Addition of IMS over 5GS TC 7.14	15.3.0
2021-03	RAN5#90-e	R5-211432	0095	1	F	Adding references	15.3.0
2021-03	RAN5#90-e	R5-211433	0096	1	F	Addition of A.15.1 MTSI MO Video Call / with preconditions / 5GS	15.3.0
2021-03	RAN5#90-e	R5-211434	0099	1	F	Correction to IMS over 5GS TC 7.2	15.3.0
2021-03	RAN5#90-e	R5-211435	0100	1	F	Correction to IMS over 5GS TC 7.11	15.3.0
2021-03	RAN5#90-e	R5-211436	0102	1	F	Correction to NR IMS TC 7.10-Content Type not present	15.3.0
2021-03	RAN5#90-e	R5-211437	0103	1	F	Correction to NR IMS A.9.2-Optional UPDATE after EPS fallback	15.3.0
2021-03	RAN5#90-e	R5-211438	0105	1	F	Correction to NR IMS TC 10.1-Conformance requirement update	15.3.0
2021-03	RAN5#90-e	R5-211439	0106	1	F	Addition of NR IMS TC 7.26-MO CAT forking model	15.3.0
2021-03	RAN5#90-e	R5-211440	0107	1	F	Addition of NR IMS TC 8.26-MO hold without announcement	15.3.0
2021-03	RAN5#90-e	R5-211441	0108	1	F	Addition of NR IMS TC 8.28-MT hold without announcement	15.3.0
2021-03	RAN5#90-e	R5-211442	0109	1	F	Addition of NR IMS TC 8.30-Subscription to MWI event	15.3.0
2021-03	RAN5#90-e	R5-211443	0110	1	F	Addition of NR IMS TC 8.31-Creating and leaving conference	15.3.0
2021-03	RAN5#90-e	R5-211444	0111	1	F	Addition of NR IMS TC 8.32-Inviting user to conference by REFER	15.3.0
2021-03	RAN5#90-e	R5-211445	0112	1	F	Addition of NR IMS TC 8.34-Three way session	15.3.0
2021-03	RAN5#90-e	R5-211446	0113	1	F	Addition of NR IMS TC 8.36-MO explicit communication transfer	15.3.0
2021-03	RAN5#90-e	R5-211447	0115	1	F	Addition of new IMS over 5GS TC 8.38 Communication Waiting and cancelling the call / 5GS	15.3.0
2021-06	RAN5#91-e	R5-212047	0116	-	F	Corrections to test case 7.4 regarding NG.114 Profile Requirements	15.4.0
2021-06	RAN5#91-e	R5-212048	0117	-	F	Corrections to generic procedure A.4 on MO Voice Call	15.4.0
2021-06	RAN5#91-e	R5-212060	0118	-	F	New References	15.4.0
2021-06	RAN5#91-e	R5-212076	0119	-	F	Corrections to TC 7.26	15.4.0
2021-06	RAN5#91-e	R5-212104	0121	-	F	Addition of IMS over 5GS test case 7.19	15.4.0
2021-06	RAN5#91-e	R5-212127	0123	-	F	Corrections to TC 6.4	15.4.0
2021-06	RAN5#91-e	R5-212160	0125	-	F	Corrections to TC 7.25	15.4.0
2021-06	RAN5#91-e	R5-212208	0126	-	F	Corrections to TC 7.8	15.4.0
2021-06	RAN5#91-e	R5-212209	0127	-	F	Corrections to TC 7.7	15.4.0
2021-06	RAN5#91-e	R5-212387	0133	-	F	Corrections to TC 10.1	15.4.0
2021-06	RAN5#91-e	R5-212388	0134	-	F	Corrections to A.6	15.4.0
2021-06	RAN5#91-e	R5-213367	0161	-	F	Addition of MTSI MO video call without precondition	15.4.0
2021-06	RAN5#91-e	R5-213520	0120	1	F	Addition of IMS over 5GS test case 7.18	15.4.0
2021-06	RAN5#91-e	R5-213521	0122	1	F	Corrections to TC 7.1	15.4.0
2021-06	RAN5#91-e	R5-213522	0128	1	F	Corrections to TC 8.36	15.4.0
2021-06	RAN5#91-e	R5-213523	0130	1	F	Corrections regarding a=sendrecv and a=inactive	15.4.0
2021-06	RAN5#91-e	R5-213524	0131	1	F	Addition of generic procedure for MT Video Call	15.4.0
2021-06	RAN5#91-e	R5-213525	0132	1	F	Corrections to TC 7.11	15.4.0
2021-06	RAN5#91-e	R5-213526	0135	1	F	Correction to NR IMS TC 8.26-MO hold without announcement	15.4.0
2021-06	RAN5#91-e	R5-213527	0136	1	F	Correction to NR IMS TC 8.28-MT hold without announcement	15.4.0
2021-06	RAN5#91-e	R5-213528	0137	1	F	Correction to NR IMS TC 8.34-Three way session	15.4.0
2021-06	RAN5#91-e	R5-213529	0139	1	F	Addition of NR IMS Generic Procedure A.17-MTSI speech hold or resume	15.4.0
2021-06	RAN5#91-e	R5-213530	0140	1	F	Addition of NR IMS Generic Procedure A.18-MTSI speech hold or resume from SS	15.4.0
2021-06	RAN5#91-e	R5-213531	0141	1	F	Addition of NR IMS Generic Procedure A.19-MTSI conference creation	15.4.0
2021-06	RAN5#91-e	R5-213532	0142	1	F	Addition of NR IMS Generic Procedure A.20-REFER inviting user to conference	15.4.0
2021-06	RAN5#91-e	R5-213533	0162	1	F	Corrections to IMS over 5GS Test Case 7.31 and 7.32	15.4.0
2021-06	RAN5#91-e	R5-213534	0146	1	F	Corrections to IMS over 5GS Test Case 6.2	15.4.0

2021-06	RAN5#91-e	R5-213535	0148	1	F	Clarifications on usage of preconditions	15.4.0
2021-06	RAN5#91-e	R5-213536	0149	1	F	Addition of NR IMS 7.13-MT Voice with RTCP disabled	15.4.0
2021-06	RAN5#91-e	R5-213537	0150	1	F	Addition of NR IMS 7.15-MO Video without preconditions	15.4.0
2021-06	RAN5#91-e	R5-213538	0151	1	F	Addition of NR IMS 7.16-MT Video with preconditions	15.4.0
2021-06	RAN5#91-e	R5-213539	0152	1	F	Addition of NR IMS 7.17-MT Video without preconditions	15.4.0
2021-06	RAN5#91-e	R5-213540	0153	1	F	Addition of NR IMS 7.20-MO Voice-add and remove video-with preconditions	15.4.0
2021-06	RAN5#91-e	R5-213541	0154	1	F	Addition of NR IMS 7.21-MO Voice-add and remove video-without preconditions	15.4.0
2021-06	RAN5#91-e	R5-213542	0155	1	F	Addition of NR IMS 7.23-MT Voice-add and remove video-without preconditions	15.4.0
2021-06	RAN5#91-e	R5-213543	0156	1	F	Addition of NR IMS 7.24-Forking-two responses one cancel	15.4.0
2021-06	RAN5#91-e	R5-213544	0157	1	F	Addition of new IMS over 5GS TC 7.22 MTSI MT Voice Call / add video and remove video / with preconditions at both originating UE and terminating UE / 5GS	15.4.0
2021-06	RAN5#91-e	R5-213545	0160	1	F	Correction to test cases 7.33	15.4.0
2021-06	RAN5#91-e	R5-213674	0147	1	F	Corrections to IMS over 5GS Test Case 7.14	15.4.0
2021-09	RAN5#92-e	R5-214205	0164	-	F	Corrections to IMS5GS test case 6.4	15.5.0
2021-09	RAN5#92-e	R5-214223	0168	-	F	Corrections to IMS5GS test case 7.24	15.5.0
2021-09	RAN5#92-e	R5-214225	0169	-	F	Corrections to IMS5GS Generic Procedures A.7 and A.8	15.5.0
2021-09	RAN5#92-e	R5-214226	0170	-	F	Corrections to IMS5GS test case 7.25	15.5.0
2021-09	RAN5#92-e	R5-214314	0171	-	F	Corrections to IMS5GS test case 7.21	15.5.0
2021-09	RAN5#92-e	R5-214386	0176	-	F	Corrections to IMS5GS Generic Procedure A.15	15.5.0
2021-09	RAN5#92-e	R5-214442	0180	-	F	New generic procedure for activation and de-activation of Supplementary Services	15.5.0
2021-09	RAN5#92-e	R5-214443	0181	-	F	New generic procedure for GAA XCAP authentication	15.5.0
2021-09	RAN5#92-e	R5-214444	0182	-	F	Corrections to IMS5GS test case 7.27	15.5.0
2021-09	RAN5#92-e	R5-214445	0183	-	F	Corrections to IMS5GS test case 7.28	15.5.0
2021-09	RAN5#92-e	R5-214446	0184	-	F	Corrections to IMS5GS test case 7.29	15.5.0
2021-09	RAN5#92-e	R5-214450	0188	-	F	Corrections to IMS over 5GS test case 7.33	15.5.0
2021-09	RAN5#92-e	R5-214451	0189	-	F	Corrections to IMS5GS test case 7.34	15.5.0
2021-09	RAN5#92-e	R5-214812	0190	-	F	Correction to IMS NR A.5.1-adding conf in SDP	15.5.0
2021-09	RAN5#92-e	R5-214813	0191	-	F	Correction to IMS NR A.14-wrong arrows	15.5.0
2021-09	RAN5#92-e	R5-214815	0193	-	F	Correction to IMS NR 8.32-using generic procedures of inviting user to conference	15.5.0
2021-09	RAN5#92-e	R5-214821	0199	-	F	Addition of IMS NR generic procedures-leaving a conference	15.5.0
2021-09	RAN5#92-e	R5-214893	0214	-	F	Corrections to IMS over 5GS TC 7.14	15.5.0
2021-09	RAN5#92-e	R5-215694	0226	-	F	To void the IMS registration test case 6.5	15.5.0
2021-09	RAN5#92-e	R5-215721	0179	1	F	Corrections to IMS5GS test case 8.30	15.5.0
2021-09	RAN5#92-e	R5-215722	0185	1	F	Corrections to IMS5GS test case 7.30	15.5.0
2021-09	RAN5#92-e	R5-215723	0219	1	F	Update test case 7.4	15.5.0
2021-09	RAN5#92-e	R5-216210	0166	1	F	Corrections to IMS5GS test case 7.1	15.5.0
2021-09	RAN5#92-e	R5-216211	0167	1	F	Adding references	15.5.0
2021-09	RAN5#92-e	R5-216212	0173	1	F	Corrections to IMS5GS test case 7.20	15.5.0
2021-09	RAN5#92-e	R5-216213	0174	1	F	Corrections to IMS5GS test case 7.22	15.5.0
2021-09	RAN5#92-e	R5-216214	0175	1	F	Corrections to IMS5GS test case 7.23	15.5.0
2021-09	RAN5#92-e	R5-216215	0177	1	F	Corrections to IMS5GS Generic Procedure A.16	15.5.0
2021-09	RAN5#92-e	R5-216216	0186	1	F	Corrections to IMS5GS test case 7.31	15.5.0
2021-09	RAN5#92-e	R5-216217	0187	1	F	Corrections to IMS5GS test case 7.32	15.5.0
2021-09	RAN5#92-e	R5-216218	0192	1	F	Correction to IMS NR 8.31-using generic procedures of creating and leaving a conference	15.5.0
2021-09	RAN5#92-e	R5-216219	0194	1	F	Addition of IMS NR TC 10.2-emergency call with reg-location unavailable	15.5.0
2021-09	RAN5#92-e	R5-216220	0195	1	F	Addition of IMS NR TC 10.3-emergency call with reg-other IMS in parallel	15.5.0
2021-09	RAN5#92-e	R5-216221	0196	1	F	Addition of IMS NR TC 10.11-new emergency reg after new IP	15.5.0
2021-09	RAN5#92-e	R5-216222	0197	1	F	Addition of IMS NR TC 10.12-uer initiated emergency reg with ongoing dialog	15.5.0
2021-09	RAN5#92-e	R5-216223	0198	1	F	Addition of IMS NR TC 10.13-uer initiated emergency reg-initiates a call	15.5.0
2021-09	RAN5#92-e	R5-216224	0200	1	F	Addition of new 5GS IMS test case 8.27	15.5.0
2021-09	RAN5#92-e	R5-216225	0201	1	F	Addition of new 5GS IMS test case 8.29	15.5.0
2021-09	RAN5#92-e	R5-216226	0202	1	F	Addition of new 5GS IMS test case 8.33	15.5.0
2021-09	RAN5#92-e	R5-216227	0203	1	F	Addition of new 5GS IMS test case 8.35	15.5.0
2021-09	RAN5#92-e	R5-216228	0204	1	F	Addition of new 5GS IMS test case 8.37	15.5.0
2021-09	RAN5#92-e	R5-216229	0205	1	F	Addition of new 5GS IMS test case 8.40	15.5.0
2021-09	RAN5#92-e	R5-216230	0206	1	F	Addition of new 5GS IMS test case 8.41	15.5.0
2021-09	RAN5#92-e	R5-216231	0207	1	F	Addition of new 5GS IMS test case 10.14	15.5.0
2021-09	RAN5#92-e	R5-216232	0208	1	F	Addition of new 5GS IMS test case 10.15	15.5.0
2021-09	RAN5#92-e	R5-216233	0209	1	F	Addition of new 5GS IMS generic procedure A.24	15.5.0
2021-09	RAN5#92-e	R5-216234	0210	1	F	Addition of new 5GS IMS generic procedure A.25	15.5.0
2021-09	RAN5#92-e	R5-216235	0211	1	F	Addition of new 5GS IMS generic procedure A.26	15.5.0

2021-09	RAN5#92-e	R5-216236	0213	1	F	Corrections to IMS over 5GS TCs 8.1 and 8.18	15.5.0
2021-09	RAN5#92-e	R5-216237	0215	1	F	Addition of new IMS over 5GS TC 10.6 Non-UE detectable emergency call / IM CN sends 380 with an Alternative Service / Previous emergency IMS registration not expired / 5GS	15.5.0
2021-09	RAN5#92-e	R5-216238	0218	1	F	Update to Re-Registration test case 6.6	15.5.0
2021-09	RAN5#92-e	R5-216240	0223	1	F	Addition of test case 10.4	15.5.0
2021-09	RAN5#92-e	R5-216241	0224	1	F	Addition of test case 10.9	15.5.0
2021-09	RAN5#92-e	R5-216242	0225	1	F	Correction to IMS video call test case 7.15	15.5.0
2021-09	RAN5#92-e	R5-216331	0216	1	F	Generic test procedure for eCall setup and MSD Update in 5GS	16.0.0
2021-09	RAN5#92-e	R5-216332	0217	1	F	Addition of new IMS over 5GS TC 11.1 eCall over IMS / Manual initiation / Normal registration / Emergency registration / Success / 200 OK with ACK / 5GS	16.0.0
2021-12	RAN5#93-e	R5-216443	0228	-	F	Corrections to IMS5GS Generic Procedure A.16	16.1.0
2021-12	RAN5#93-e	R5-216495	0229	-	F	Corrections to IMS5GS test cases 8.32 and 8.33	16.1.0
2021-12	RAN5#93-e	R5-216606	0255	-	F	Corrections regarding the To header in usages of MO REFER	16.1.0
2021-12	RAN5#93-e	R5-216801	0261	-	F	Corrections to IMS5GS Generic Procedure A.24	16.1.0
2021-12	RAN5#93-e	R5-217007	0269	-	F	Correction to IMS NR TC 6.7 authentication MAC-wrong steps numbering	16.1.0
2021-12	RAN5#93-e	R5-217170	0274	-	F	Extend test cases for video addition to voice call with resource reservation	16.1.0
2021-12	RAN5#93-e	R5-217449	0276	-	F	DNN/PDU usage for generic XCAP procedure	16.1.0
2021-12	RAN5#93-e	R5-217598	0278	-	F	Corrections to IMS5GS MT video call test cases 7.16 and 7.17	16.1.0
2021-12	RAN5#93-e	R5-217773	0256	1	F	Corrections to IMS5GS test case 8.37	16.1.0
2021-12	RAN5#93-e	R5-217835	0231	1	F	Add test case MTSI MO Voice Call with default configuration	16.1.0
2021-12	RAN5#93-e	R5-217836	0232	1	F	Add test case MTSI MT Voice Call with default configuration	16.1.0
2021-12	RAN5#93-e	R5-217837	0233	1	F	Addition of new 5GS IMS test case 8.2	16.1.0
2021-12	RAN5#93-e	R5-217838	0234	1	F	Addition of new 5GS IMS test case 8.3	16.1.0
2021-12	RAN5#93-e	R5-217839	0235	1	F	Addition of new 5GS IMS test case 8.4	16.1.0
2021-12	RAN5#93-e	R5-217840	0236	1	F	Addition of new 5GS IMS test case 8.5	16.1.0
2021-12	RAN5#93-e	R5-217841	0237	1	F	Addition of new 5GS IMS test case 8.6	16.1.0
2021-12	RAN5#93-e	R5-217842	0238	1	F	Addition of new 5GS IMS test case 8.7	16.1.0
2021-12	RAN5#93-e	R5-217843	0239	1	F	Addition of new 5GS IMS test case 8.8	16.1.0
2021-12	RAN5#93-e	R5-217844	0240	1	F	Addition of new 5GS IMS test case 8.9	16.1.0
2021-12	RAN5#93-e	R5-217845	0241	1	F	Addition of new 5GS IMS test case 8.11	16.1.0
2021-12	RAN5#93-e	R5-217846	0242	1	F	Addition of new 5GS IMS test case 8.13	16.1.0
2021-12	RAN5#93-e	R5-217847	0243	1	F	Addition of new 5GS IMS test case 8.15	16.1.0
2021-12	RAN5#93-e	R5-217848	0244	1	F	Addition of new 5GS IMS test case 8.17	16.1.0
2021-12	RAN5#93-e	R5-217849	0245	1	F	Addition of new 5GS IMS test case 8.19	16.1.0
2021-12	RAN5#93-e	R5-217850	0246	1	F	Addition of new 5GS IMS test case 8.21	16.1.0
2021-12	RAN5#93-e	R5-217851	0247	1	F	Addition of new 5GS IMS test case 8.22	16.1.0
2021-12	RAN5#93-e	R5-217852	0248	1	F	Addition of new 5GS IMS test case 8.23	16.1.0
2021-12	RAN5#93-e	R5-217853	0249	1	F	Addition of new 5GS IMS test case 8.24	16.1.0
2021-12	RAN5#93-e	R5-217854	0250	1	F	Addition of new 5GS IMS test case 8.25	16.1.0
2021-12	RAN5#93-e	R5-217855	0251	1	F	Addition of new 5GS IMS generic procedure A.28	16.1.0
2021-12	RAN5#93-e	R5-217856	0252	1	F	Update of new 5GS IMS test case 8.29	16.1.0
2021-12	RAN5#93-e	R5-217857	0254	1	F	Addition of new 5GS IMS test case 10.10	16.1.0
2021-12	RAN5#93-e	R5-217858	0257	1	F	Adding references	16.1.0
2021-12	RAN5#93-e	R5-217859	0258	1	F	Corrections to IMS5GS test case 7.24	16.1.0
2021-12	RAN5#93-e	R5-217860	0259	1	F	Addition of IMS5GS test case 7.24a	16.1.0
2021-12	RAN5#93-e	R5-217861	0260	1	F	Addition of IMS5GS test case 7.24b	16.1.0
2021-12	RAN5#93-e	R5-217862	0268	1	F	Correction to NR IMS TC 8.36-MO Explicit Communication Transfer	16.1.0
2021-12	RAN5#93-e	R5-217863	0275	1	F	Correction to IMS over 5GS test case 6.4	16.1.0
2021-12	RAN5#93-e	R5-217864	0277	1	F	Corrections to IMS5GS test cases 8.1 and 8.18	16.1.0
2021-12	RAN5#93-e	R5-217865	0279	1	F	Implementing decision on precondition wording	16.1.0
2021-12	RAN5#93-e	R5-217866	0281	1	F	Update to Session timer test cases	16.1.0
2021-12	RAN5#93-e	R5-217998	0272	1	F	Corrections to IMS5GS test cases 7.10 and 7.25	16.1.0
2021-12	RAN5#93-e	R5-218010	0282	1	F	Addition of new IMS over 5GS TC 11.2 eCall over IMS / Automatic initiation / Normal registration / Emergency registration / Success / 200 OK with ACK / 5GS	16.1.0
2021-12	RAN5#93-e	R5-218011	0283	1	F	Addition of new IMS over 5GS TC 11.4 eCall over IMS / Manual initiation / MSD transfer and 200 OK with ACK / SIP INFO request for MSD Update / Success / 5GS	16.1.0
2022-03	RAN5#94-e	R5-220171	0285	-	F	Add generic procedure for default MO voice call	16.2.0
2022-03	RAN5#94-e	R5-220214	0288	-	F	Corrections to A.6	16.2.0
2022-03	RAN5#94-e	R5-220220	0294	-	F	Corrections to TC 7.24	16.2.0
2022-03	RAN5#94-e	R5-220221	0295	-	F	Corrections to TC 7.24a	16.2.0
2022-03	RAN5#94-e	R5-220224	0298	-	F	Corrections to TC 8.34	16.2.0
2022-03	RAN5#94-e	R5-220225	0299	-	F	Corrections to TC 8.35	16.2.0
2022-03	RAN5#94-e	R5-220227	0301	-	F	Corrections to TC 8.37	16.2.0
2022-03	RAN5#94-e	R5-220229	0303	-	F	Corrections to TC 8.41	16.2.0
2022-03	RAN5#94-e	R5-220230	0304	-	F	Corrections to TC 7.25	16.2.0
2022-03	RAN5#94-e	R5-220231	0305	-	F	Corrections to TC 7.27	16.2.0

2022-03	RAN5#94-e	R5-220233	0307	-	F	Corrections to TC 8.28	16.2.0
2022-03	RAN5#94-e	R5-220234	0308	-	F	Addition of IMS5GS TC 8.39	16.2.0
2022-03	RAN5#94-e	R5-220235	0309	-	F	Addition of IMS5GS TC 8.39a	16.2.0
2022-03	RAN5#94-e	R5-220238	0312	-	F	Corrections to test case titles	16.2.0
2022-03	RAN5#94-e	R5-220244	0314	-	F	Corrections to TC 7.26	16.2.0
2022-03	RAN5#94-e	R5-220565	0322	-	F	Correction to NR IMS TC 7.4-MTSI MO Voice Call with preconditions	16.2.0
2022-03	RAN5#94-e	R5-220647	0325	-	F	Correction to NR IMS generic procedure A.4.1-MTSI MO Voice Call with preconditions	16.2.0
2022-03	RAN5#94-e	R5-220763	0326	-	F	Corrections to TC 10.9	16.2.0
2022-03	RAN5#94-e	R5-221470	0284	1	F	Update test case 7.4a	16.2.0
2022-03	RAN5#94-e	R5-221471	0289	1	F	Corrections to usage or non-usage of mode-set	16.2.0
2022-03	RAN5#94-e	R5-221472	0291	1	F	Corrections to TC 10.2	16.2.0
2022-03	RAN5#94-e	R5-221473	0292	1	F	Addition of IMS5GS test case 10.7	16.2.0
2022-03	RAN5#94-e	R5-221474	0293	1	F	Addition of IMS5GS TC 10.8	16.2.0
2022-03	RAN5#94-e	R5-221475	0296	1	F	Corrections to TC 7.24b	16.2.0
2022-03	RAN5#94-e	R5-221476	0302	1	F	Corrections to TC 8.38	16.2.0
2022-03	RAN5#94-e	R5-221477	0306	1	F	Corrections to TC 7.6	16.2.0
2022-03	RAN5#94-e	R5-221478	0310	1	F	Corrections to TC 8.8	16.2.0
2022-03	RAN5#94-e	R5-221479	0311	1	F	Corrections to TC 8.36	16.2.0
2022-03	RAN5#94-e	R5-221480	0313	1	F	Voiding unused test case numbers	16.2.0
2022-03	RAN5#94-e	R5-221481	0315	1	F	Corrections to TC 7.20	16.2.0
2022-03	RAN5#94-e	R5-221482	0316	1	F	Corrections to TC 7.21	16.2.0
2022-03	RAN5#94-e	R5-221483	0318	1	F	Correction of 5GS IMS test case 10.9	16.2.0
2022-03	RAN5#94-e	R5-221484	0320	1	F	Correction to NR IMS TC 7.21-MTSI MT Voice Call to add video and remove video without preconditions	16.2.0
2022-03	RAN5#94-e	R5-221485	0321	1	F	Correction to NR IMS TC 7.23-MTSI MT Voice Call to add video and remove video without preconditions	16.2.0
2022-03	RAN5#94-e	R5-221486	0323	1	F	Correction to NR IMS TC 8.40-User initiated USSI	16.2.0
2022-03	RAN5#94-e	R5-221487	0332	1	F	Corrections to TC 10.3	16.2.0
2022-03	RAN5#94-e	R5-221488	0333	1	F	Update of XCAP test case Preambles	16.2.0
2022-03	RAN5#94-e	R5-221489	0334	1	F	Corrections to A.9	16.2.0
2022-03	RAN5#94-e	R5-221597	0328	1	F	Addition of new IMS over 5GS TC 11.5 eCall over IMS / Automatic initiation / MSD transfer and 200 OK with ACK / SIP INFO request for MSD Update / Success / 5GS	16.2.0
2022-03	RAN5#94-e	R5-221598	0329	1	F	Addition of new IMS over 5GS TC 11.6 eCall over IMS / Automatic initiation / MSD transfer and 200 OK with ACK / SIP INFO request for unsupported MSD / UE indicates unsuccessful in SIP INFO / 5GS	16.2.0
2022-03	RAN5#94-e	R5-222021	0287	1	F	Update generic procedure A.6	16.2.0
2022-03	RAN5#94-e	R5-222037	0290	1	F	Corrections to TC 10.1	16.2.0
2022-03	RAN5#94-e	R5-222046	0335	1	F	Update to test case 6.4	16.2.0
2022-06	RAN5#95-e	R5-222076	0336	-	F	Corrections to A.15	16.3.0
2022-06	RAN5#95-e	R5-222077	0337	-	F	Corrections to A.4	16.3.0
2022-06	RAN5#95-e	R5-222078	0338	-	F	Corrections to A.5	16.3.0
2022-06	RAN5#95-e	R5-222085	0345	-	F	Corrections to TC 7.6	16.3.0
2022-06	RAN5#95-e	R5-222099	0359	-	F	Corrections to TC 7.23	16.3.0
2022-06	RAN5#95-e	R5-222100	0360	-	F	Corrections to TC 7.24a	16.3.0
2022-06	RAN5#95-e	R5-222101	0361	-	F	Corrections to TC 7.24b	16.3.0
2022-06	RAN5#95-e	R5-222104	0364	-	F	Corrections to TC 8.25	16.3.0
2022-06	RAN5#95-e	R5-222105	0365	-	F	Corrections to TC 8.27	16.3.0
2022-06	RAN5#95-e	R5-222106	0366	-	F	Corrections to TC 8.34	16.3.0
2022-06	RAN5#95-e	R5-222109	0369	-	F	Corrections to TC 8.38	16.3.0
2022-06	RAN5#95-e	R5-222110	0370	-	F	Corrections to TC 10.4	16.3.0
2022-06	RAN5#95-e	R5-222127	0371	-	F	Corrections to IMS over 5GS XCAP test cases	16.3.0
2022-06	RAN5#95-e	R5-222269	0374	-	F	Corrections to A.21	16.3.0
2022-06	RAN5#95-e	R5-222346	0378	-	F	Corrections to TC 7.21	16.3.0
2022-06	RAN5#95-e	R5-222410	0381	-	F	Correction of A.17 - Generic test procedure for putting a MTSI speech call to hold or to resume the call from the UE / 5GS	16.3.0
2022-06	RAN5#95-e	R5-222411	0382	-	F	Editorial updates to title of several generic test procedures	16.3.0
2022-06	RAN5#95-e	R5-222757	0390	-	F	Correction to NR IMS TC 7.4a-MO Voice Call with preconditions and default Configuration	16.3.0
2022-06	RAN5#95-e	R5-222758	0391	-	F	Correction to NR IMS TC 7.5-MO Voice Call without preconditions at both side	16.3.0
2022-06	RAN5#95-e	R5-222760	0393	-	F	Correction to NR IMS TC 7.7-MT Voice Call without preconditions at both side	16.3.0
2022-06	RAN5#95-e	R5-222763	0396	-	F	Correction to NR IMS TC 7.10-MT Voice call without preconditions and without SDP offer	16.3.0
2022-06	RAN5#95-e	R5-222765	0398	-	F	Correction to NR IMS TC 7.13-MTSI MT Voice Call with RTCP disabled	16.3.0
2022-06	RAN5#95-e	R5-222766	0399	-	F	Correction to NR IMS TC 7.18-MTSI MO Voice Call with AMR-WB Encoded Media	16.3.0
2022-06	RAN5#95-e	R5-222767	0400	-	F	Correction to NR IMS TC 7.19-MTSI MO Voice Call with AMR-WB IO Encoded Media	16.3.0

2022-06	RAN5#95-e	R5-222770	0403	-	F	Correction to NR IMS TC 7.25-MT Voice Call without SDP offer in INVITE	16.3.0
2022-06	RAN5#95-e	R5-222776	0409	-	F	Correction to NR IMS TC 7.31-Session Timer for MT Voice Call	16.3.0
2022-06	RAN5#95-e	R5-222777	0410	-	F	Correction to NR IMS TC 7.32-Session Timer for MT Voice Call	16.3.0
2022-06	RAN5#95-e	R5-222784	0417	-	F	Correction to NR IMS TC 9.1-MO SMS 5GS	16.3.0
2022-06	RAN5#95-e	R5-222785	0418	-	F	Correction to NR IMS TC 9.3-MO Concatenated SMS 5GS	16.3.0
2022-06	RAN5#95-e	R5-222786	0419	-	F	Correction to NR IMS TC 9.5-MO SMS RP-ERROR 5GS	16.3.0
2022-06	RAN5#95-e	R5-223079	0423	-	F	Corrections to test case 7.4a	16.3.0
2022-06	RAN5#95-e	R5-223293	0426	-	F	Update of 5GS IMS test case 10.15	16.3.0
2022-06	RAN5#95-e	R5-223349	0386	1	F	Corrections to TC 7.25 precondition	16.3.0
2022-06	RAN5#95-e	R5-223455	0339	1	F	Corrections to A.9	16.3.0
2022-06	RAN5#95-e	R5-223456	0340	1	F	Corrections to initial EVS offers	16.3.0
2022-06	RAN5#95-e	R5-223457	0342	1	F	Corrections to TC 7.4	16.3.0
2022-06	RAN5#95-e	R5-223458	0343	1	F	Corrections to TC 7.4a	16.3.0
2022-06	RAN5#95-e	R5-223459	0357	1	F	Corrections to TC 7.20	16.3.0
2022-06	RAN5#95-e	R5-223460	0362	1	F	Corrections to TC 7.25	16.3.0
2022-06	RAN5#95-e	R5-223461	0363	1	F	Corrections to TC 8.6	16.3.0
2022-06	RAN5#95-e	R5-223462	0367	1	F	Corrections to TC 8.35	16.3.0
2022-06	RAN5#95-e	R5-223463	0373	1	F	Correction to IMS 5GS TC 8.34, 8.35 and 8.36	16.3.0
2022-06	RAN5#95-e	R5-223464	0376	1	F	Correction to IMS 5GS TC 10.9	16.3.0
2022-06	RAN5#95-e	R5-223465	0377	1	F	Correction to IMS 5GS TC 10.10	16.3.0
2022-06	RAN5#95-e	R5-223466	0380	1	F	Corrections to TC 10.11	16.3.0
2022-06	RAN5#95-e	R5-223467	0383	1	F	Correction to 5GS IMS Test Case 10.2	16.3.0
2022-06	RAN5#95-e	R5-223468	0384	1	F	Correction to IMS testcase 10.6	16.3.0
2022-06	RAN5#95-e	R5-223469	0392	1	F	Correction to NR IMS TC 7.6-MT Voice Call with preconditions at both side	16.3.0
2022-06	RAN5#95-e	R5-223470	0394	1	F	Correction to NR IMS TC 7.8-MT Voice Call without preconditions at MO UE	16.3.0
2022-06	RAN5#95-e	R5-223471	0395	1	F	Correction to NR IMS TC 7.9-MT Voice Call without preconditions at MT UE	16.3.0
2022-06	RAN5#95-e	R5-223472	0411	1	F	Correction to NR IMS TC 7.33-Session Timer for MT Voice Call	16.3.0
2022-06	RAN5#95-e	R5-223473	0412	1	F	Correction to NR IMS TC 7.34-Session Timer for MT Voice Call	16.3.0
2022-06	RAN5#95-e	R5-223474	0414	1	F	Correction to NR IMS TC 8.6-Terminating Identification Restriction Signalling 5GS	16.3.0
2022-06	RAN5#95-e	R5-223475	0422	1	F	Corrections to TC 8.40	16.3.0
2022-06	RAN5#95-e	R5-223476	0427	1	F	Update to call control test case 7.21	16.3.0
2022-06	RAN5#95-e	R5-223481	0358	1	F	Corrections to TC 7.22	16.3.0
2022-06	RAN5#95-e	R5-223484	0388	1	F	Correction to NR IMS TC 7.1-MO Voice Call with 503	16.3.0
2022-06	RAN5#95-e	R5-223485	0397	1	F	Correction to NR IMS TC 7.12-MO Voice Call without preconditions at MT UE	16.3.0
2022-06	RAN5#95-e	R5-223486	0402	1	F	Correction to NR IMS TC 7.24-UE receives CANCEL request for a forked MT voice call	16.3.0
2022-06	RAN5#95-e	R5-223487	0404	1	F	Correction to NR IMS TC 7.26-Mobile Originating CAT	16.3.0
2022-06	RAN5#95-e	R5-223488	0405	1	F	Correction to NR IMS TC 7.27-Session Timer for MO Voice Call	16.3.0
2022-06	RAN5#95-e	R5-223489	0406	1	F	Correction to NR IMS TC 7.28-Session Timer for MO Voice Call	16.3.0
2022-06	RAN5#95-e	R5-223490	0407	1	F	Correction to NR IMS TC 7.29-Session Timer for MO Voice Call	16.3.0
2022-06	RAN5#95-e	R5-223491	0408	1	F	Correction to NR IMS TC 7.30-Session Timer for MO Voice Call	16.3.0
2022-06	RAN5#95-e	R5-223492	0413	1	F	Correction to NR IMS TC 8.3-Originating Identification Restriction Signalling 5GS	16.3.0
2022-06	RAN5#95-e	R5-223493	0415	1	F	Correction to NR IMS TC 8.8-Communication Forwarding Unconditional Signalling 5GS	16.3.0
2022-06	RAN5#95-e	R5-223494	0416	1	F	Correction to NR IMS TC 8.41-Communication Forwarding on No Reply MO Voice Call	16.3.0
2022-09	RAN5#96-e	R5-224194	0430	-	F	Correction to IMS test case 10.13	16.4.0
2022-09	RAN5#96-e	R5-224670	0443	-	F	Correction to NR IMS TC 6.6-Re-Registration after capability update	16.4.0
2022-09	RAN5#96-e	R5-224683	0456	-	F	Correction to NR IMS TC 10.10-Emergency call without emergency registration	16.4.0
2022-09	RAN5#96-e	R5-225266	0461	-	F	Corrections to USSI test case 8.40	16.4.0
2022-09	RAN5#96-e	R5-225284	0447	1	F	Correction to NR IMS TC 8.18-Barring of All Incoming Calls except for a Specific User	16.4.0
2022-09	RAN5#96-e	R5-225423	0429	1	F	Correction for IMS 5GS Call Control test case 7.21	16.4.0
2022-09	RAN5#96-e	R5-225424	0431	1	F	Updates to IMS emergency over 5G test cases 10.1 and 10.2	16.4.0
2022-09	RAN5#96-e	R5-225425	0432	1	F	Corrections to IMS emergency over 5G test case 10.15	16.4.0
2022-09	RAN5#96-e	R5-225426	0433	1	F	Correction to 5GS IMS test case 10.6	16.4.0
2022-09	RAN5#96-e	R5-225427	0434	1	F	Correction to 5GS IMS test case 7.33	16.4.0
2022-09	RAN5#96-e	R5-225428	0437	1	F	Correction to NR IMS TC 6.1-Initial Registration	16.4.0
2022-09	RAN5#96-e	R5-225429	0438	1	F	Correction to NR IMS TC 6.2-Initial Registration Failures	16.4.0
2022-09	RAN5#96-e	R5-225430	0439	1	F	Correction to NR IMS TC 6.3-Re-Registration Scenarios	16.4.0
2022-09	RAN5#96-e	R5-225431	0440	1	F	Correction to NR IMS TC 6.4-De-Registration Scenarios	16.4.0
2022-09	RAN5#96-e	R5-225432	0444	1	F	Correction to NR IMS TC 6.7-Authentication with MAC Parameter Invalid	16.4.0
2022-09	RAN5#96-e	R5-225433	0445	1	F	Correction to NR IMS TC 6.8-Authentication with SQN out of range	16.4.0



2022-09	RAN5#96-e	R5-225434	0446	1	F	Correction to NR IMS TC 6.9-Subscription with 503 Service Unavailable	16.4.0
2022-09	RAN5#96-e	R5-225435	0448	1	F	Correction to NR IMS TC 7.4a-MTSI MO Voice Call with preconditions at both originating UE and terminating UE	16.4.0
2022-09	RAN5#96-e	R5-225436	0449	1	F	Correction to NR IMS TC 7.4-MTSI MO Voice Call with preconditions at both originating and terminating UE	16.4.0
2022-09	RAN5#96-e	R5-225437	0450	1	F	Correction to NR IMS TC 7.18-MTSI MO Voice Call	16.4.0
2022-09	RAN5#96-e	R5-225438	0451	1	F	Correction to NR IMS TC 7.19-MTSI MT Voice Call	16.4.0
2022-09	RAN5#96-e	R5-225439	0452	1	F	Correction to NR IMS TC 7.24a-MTSI MO Voice Call	16.4.0
2022-09	RAN5#96-e	R5-225440	0453	1	F	Correction to NR IMS TC 7.24b-MTSI MO Voice Call	16.4.0
2022-09	RAN5#96-e	R5-225441	0455	1	F	Correction to NR IMS TC 10.3-Emergency call with emergency registration	16.4.0
2022-09	RAN5#96-e	R5-225442	0457	1	F	Correction to NR IMS TC 10.11-New initial emergency registration	16.4.0
2022-09	RAN5#96-e	R5-225443	0458	1	F	Correction to 5GS IMS test case 7.2	16.4.0
2022-09	RAN5#96-e	R5-225444	0459	1	F	Corrections to test case 10.4	16.4.0
2022-12	RAN5#97	R5-225925	0464	-	F	Update test case 7.1	16.5.0
2022-12	RAN5#97	R5-225926	0465	-	F	Update test case 7.2	16.5.0
2022-12	RAN5#97	R5-225927	0466	-	F	Update test case 7.18	16.5.0
2022-12	RAN5#97	R5-225929	0468	-	F	Update test case 7.24b	16.5.0
2022-12	RAN5#97	R5-225930	0469	-	F	Update test case 7.26	16.5.0
2022-12	RAN5#97	R5-225931	0470	-	F	Update test case 7.27	16.5.0
2022-12	RAN5#97	R5-225932	0471	-	F	Update test case 7.28	16.5.0
2022-12	RAN5#97	R5-225933	0472	-	F	Update test case 7.29	16.5.0
2022-12	RAN5#97	R5-225934	0473	-	F	Update test case 7.30	16.5.0
2022-12	RAN5#97	R5-225935	0474	-	F	Update test case 8.3	16.5.0
2022-12	RAN5#97	R5-225936	0475	-	F	Update test case 8.8	16.5.0
2022-12	RAN5#97	R5-225937	0476	-	F	Update test case 8.41	16.5.0
2022-12	RAN5#97	R5-226059	0477	-	F	Corrections to 5GS IMS test case 10.4	16.5.0
2022-12	RAN5#97	R5-226308	0478	-	F	Correction to IMS test case 7.22	16.5.0
2022-12	RAN5#97	R5-226309	0479	-	F	Correction to IMS testcase 7.20	16.5.0
2022-12	RAN5#97	R5-226310	0480	-	F	Correction to IMS testcases 10.7 and 10.8	16.5.0
2022-12	RAN5#97	R5-226609	0483	-	F	Correction to IMS 5GS Call Control test case 7.21	16.5.0
2022-12	RAN5#97	R5-226611	0484	-	F	Correction to annexures A.20 and A.26	16.5.0
2022-12	RAN5#97	R5-226612	0485	-	F	Correction to annexure A.19 for MTSI conference creation	16.5.0
2022-12	RAN5#97	R5-226613	0486	-	F	Correction to annexure A.25 for Video conference creation	16.5.0
2022-12	RAN5#97	R5-226614	0487	-	F	Correction to IMS test case 8.34	16.5.0
2022-12	RAN5#97	R5-226704	0490	-	F	Update test case 7.24a	16.5.0
2022-12	RAN5#97	R5-226793	0491	-	F	Update of test case 8.40	16.5.0
2022-12	RAN5#97	R5-227485	0482	1	F	Correction to IMS 5GS test case 10.13	16.5.0
2022-12	RAN5#97	R5-227486	0488	1	F	Correction to IMS test case 8.35	16.5.0
2022-12	RAN5#97	R5-227487	0489	1	F	Correction to IMS test case 8.36	16.5.0
2022-12	RAN5#97	R5-227488	0492	1	F	Update emergency test case 10.14	16.5.0
2022-12	RAN5#97	R5-227600	0481	1	F	Correction to IMS testcase 8.36	16.5.0
2023-03	RAN5#98	R5-230323	0494	-	F	Update test case 7.6a	16.6.0
2023-03	RAN5#98	R5-230324	0495	-	F	Update test case 7.14	16.6.0
2023-03	RAN5#98	R5-230922	0509	-	F	Remove test cases 10.11 and 10.15	16.6.0
2023-03	RAN5#98	R5-231489	0503	1	F	Add generic procedure for default MT voice call	16.6.0
2023-03	RAN5#98	R5-231490	0504	1	F	Add generic procedure for default MO video call	16.6.0
2023-03	RAN5#98	R5-231492	0496	1	F	Update test case 7.19	16.6.0
2023-03	RAN5#98	R5-231493	0497	1	F	Update test case 7.20	16.6.0
2023-03	RAN5#98	R5-231494	0498	1	F	Update test case 7.24	16.6.0
2023-03	RAN5#98	R5-231495	0499	1	F	Update test case 7.25	16.6.0
2023-03	RAN5#98	R5-231496	0500	1	F	Update test case 7.31	16.6.0
2023-03	RAN5#98	R5-231497	0501	1	F	Update test case 7.32	16.6.0
2023-03	RAN5#98	R5-231498	0502	1	F	Update test case 7.34	16.6.0
2023-03	RAN5#98	R5-231499	0505	1	F	Correction to IMS testcase 7.21	16.6.0
2023-03	RAN5#98	R5-231500	0510	1	F	Update to Annex A.17	16.6.0
2023-03	RAN5#98	R5-231501	0511	1	F	Update to Annex A.24	16.6.0
2023-03	RAN5#98	R5-231502	0512	1	F	Update to test case 8.26	16.6.0
2023-03	RAN5#98	R5-231503	0513	1	F	Update to test case 8.27	16.6.0
2023-03	RAN5#98	R5-231504	0514	1	F	Update to test case 8.28	16.6.0
2023-03	RAN5#98	R5-231505	0515	1	F	Update to test case 8.29	16.6.0
2023-03	RAN5#98	R5-231506	0520	-	F	Correction to MTSI MO Video Call for 5GS	16.6.0
2023-03	RAN5#98	R5-231507	0518	1	F	Update to clause A.21 Activation and deactivation of Supplementary Services	16.6.0
2023-03	RAN5#98	R5-231508	0519	1	F	Correction to NR forking test cases 7.24a, 7.24b, 7.26	16.6.0
2023-03	RAN5#98	R5-231509	0517	1	F	Correction to NR IMS TC 8.36-Consultative Call Transfer	16.6.0
2023-03	RAN5#98	R5-231908	0507	1	F	Correction to IMS Emergency Call test case 10.1	16.6.0
2023-03	RAN#99	RP-230602	0519	2	F	Correction to NR forking test cases 7.24a, 7.24b, 7.26	16.6.1
2023-06	RAN#100	R5-232152	0524	-	F	Update test case 7.13	16.7.0
2023-06	RAN#100	R5-232153	0525	-	F	Update test case 7.16	16.7.0
2023-06	RAN#100	R5-232154	0526	-	F	Update test case 7.22	16.7.0

2023-06	RAN#100	R5-232210	0528	-	F	Correction of test case 7.21	16.7.0
2023-06	RAN#100	R5-232211	0529	-	F	Correction of test case 7.26	16.7.0
2023-06	RAN#100	R5-232212	0530	-	F	Correction of test cases 7.24a and 7.24b	16.7.0
2023-06	RAN#100	R5-232387	0533	-	F	Add generic procedure for default MT video call	16.7.0
2023-06	RAN#100	R5-232650	0534	-	F	Correction to MT Voice Call Control test case 7.31 and 7.32	16.7.0
2023-06	RAN#100	R5-232761	0535	-	F	Updates to Annex A.25	16.7.0
2023-06	RAN#100	R5-232762	0536	-	F	Updates to Annex A.19	16.7.0
2023-06	RAN#100	R5-232767	0541	-	F	Updates to test case 8.37	16.7.0
2023-06	RAN#100	R5-232768	0542	-	F	Updates to test case 8.38	16.7.0
2023-06	RAN#100	R5-233370	0522	1	F	Remove test case 7.4	16.7.0
2023-06	RAN#100	R5-233371	0523	1	F	Remove test case 7.6	16.7.0
2023-06	RAN#100	R5-233372	0531	1	F	Correction of test cases 8.34, 8.35 and 8.36	16.7.0
2023-06	RAN#100	R5-233373	0537	1	F	Updates to test case 8.6	16.7.0
2023-06	RAN#100	R5-233446	0527	1	F	Correction to NR IMS test case 10.14	16.7.0
2023-06	RAN#100	R5-233448	0543	1	F	Correction to IMS test case 10.4	16.7.0
2023-09	RAN#101	R5-233911	0548	-	F	Update test case 7.14	16.8.0
2023-09	RAN#101	R5-233912	0549	-	F	Update test case 7.18	16.8.0
2023-09	RAN#101	R5-235093	0554	-	F	Updates to IMS test case 7.8	16.8.0
2023-09	RAN#101	R5-235094	0555	-	F	Updates to IMS test case 7.9	16.8.0
2023-09	RAN#101	R5-235322	0550	1	F	Add generic procedure for preconditions disabled MT voice call	16.8.0
2023-09	RAN#101	R5-235323	0552	1	F	Correction to IMS test case 10.4	16.8.0
2023-09	RAN#101	R5-235324	0553	1	F	Updates to IMS test case 7.7	16.8.0
2023-12	RAN#102	R5-236507	0557	-	F	Update test case 7.1	16.9.0
2023-12	RAN#102	R5-236508	0558	-	F	Update test case 7.2	16.9.0
2023-12	RAN#102	R5-236894	0560	-	F	New generic procedure A.4.2a	16.9.0
2023-12	RAN#102	R5-236895	0561	-	F	Restore test case 7.6a	16.9.0
2023-12	RAN#102	R5-236896	0562	-	F	Updates to test case 7.5	16.9.0
2023-12	RAN#102	R5-236897	0563	-	F	Updates to test case 7.10	16.9.0
2023-12	RAN#102	R5-236898	0564	-	F	Updates to test case 7.12	16.9.0
2023-12	RAN#102	R5-236899	0565	-	F	Updates to test case 7.33	16.9.0
2023-12	RAN#102	R5-237477	0567	2	F	Correction to NR IMS TC 11.6	16.9.0
2024-03	RAN#103	R5-241190	0569	-	F	Update to generic procedure A.4.2a	16.10.0
2024-03	RAN#103	R5-241191	0570	-	F	Updates to test case 7.1	16.10.0
2024-03	RAN#103	R5-241254	0575	-	F	Updates to test case 7.15	16.10.0
2024-03	RAN#103	R5-241255	0576	-	F	Updates to test case 7.17	16.10.0
2024-03	RAN#103	R5-241256	0577	-	F	Updates to test case 7.21	16.10.0
2024-03	RAN#103	R5-241257	0578	-	F	Updates to test case 7.23	16.10.0
2024-03	RAN#103	R5-241554	0573	1	F	New generic procedure A.15.2a	16.10.0
2024-03	RAN#103	R5-241555	0574	1	F	New generic procedure A.16.2a	16.10.0
2024-03	RAN#103	R5-241655	0571	1	F	Updates to test case 7.5	16.10.0
2024-03	RAN#103	R5-241656	0572	1	F	Updates to test case 7.12	16.10.0
2024-06	RAN#104	R5-242295	0579	-	F	Removal of technical content in TS 34.229-5 v16.10.0 and substitution with pointer to the next Release	16.11.0

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# History

<b>Document history</b>		
V16.0.0	October 2021	Publication
V16.1.0	January 2022	Publication
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