



**LTE;  
Mission Critical (MC) services over LTE;  
Part 1: Common test environment  
(3GPP TS 36.579-1 version 16.8.0 Release 16)**



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**Reference**

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RTS/TSGR-0536579-1vg80

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**Keywords**

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LTE

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**ETSI**

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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:

Version x.y.z

where:

- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

The present document is part 1 of a multi-part deliverable covering conformance test specification for Mission Critical Services over LTE consisting of:

**3GPP TS 36.579-1: "Mission Critical (MC) services over LTE; Part 1: Common test environment" (the present document)**

3GPP TS 36.579-2 [2]: "Mission Critical (MC) services over LTE; Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification"

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

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

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

3GPP TS 36.579-6 [84]: "Mission Critical (MC) services over LTE; Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification"

3GPP TS 36.579-7 [85]: "Mission Critical (MC) services over LTE; Part 7: Mission Critical Data (MCData) User Equipment (UE) Protocol conformance specification"

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# 1 Scope

The present document defines the common test environment required for testing Client and Server implementations for compliance to the Mission Critical Services protocol requirements defined by 3GPP.

It contains definitions of reference conditions and test signals, default messages and other parameters, generic procedures, and, common requirements for test equipment with the goal for facilitating testing in general and test procedures specification in particular. Various parts of its content are referred to from other parts of the Mission Critical Services protocol conformance testing specification e.g. TS 36.579-2 [2], TS 36.579-3 [3], 3GPP TS 36.579-6 [84], 3GPP TS 36.579-7 [85].

The present document does not define the common test environment required for testing the implementation of the underlying RRC/NAS protocols, i.e. the bearers used for transport of the Mission Critical Services signalling and media. This is defined in TS 36.508 [6] and referred to from the present document whenever needed.

In regard to default messages or other information elements contents, the present document refers to content defined in requirements specifications specified by 3GPP or other organisations.

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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*.

[1] to [131]      (void)

[132]            3GPP TS 37.579-1 Release 17: "Mission Critical (MC) services; Part 1: Common test environment"

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# 3 Definitions, symbols and abbreviations

Void

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# 4 General

The requirements of the present document are provided in 3GPP TS 37.579-1 Release 17 [132].

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# 5 Void

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## Annex A (informative): Change history

| Change history |         |           |      |         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
|----------------|---------|-----------|------|---------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Date           | Meeting | TDoc      | CR   | R<br>ev | Cat | Subject/Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | New<br>version |
| 2017-02        | R5#74   | R5-171298 | -    | -       | -   | Introduction of TS 36.579-1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.0.1          |
| 2017-05        | R5#75   | R5-172100 | -    | -       | -   | Introduction of default message content for some media control messages, some generic procedures from R5-172078 Default MCPTT media plane control messages R5-172079 Generic MCPTT procedures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.0.2          |
| 2017-06        | RAN5#75 | -         | -    | -       | -   | lifted to v0.1.0 because of technical contents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.1.0          |
| 2017-08        | RAN5#76 | R5-173766 | -    | -       | -   | Implemented approved:<br>R5-173702 'Various updates of MCPTT TS 36579-1'<br>R5-173703 'Update of MCPTT generic procedures'<br>R5-173704 'New Generic procedures ProSe and MCPTT'<br>R5-173705 'Update default media plane control messages'<br>R5-173706 'Update of MCPTT Default MCPTT call control Off-network messages'<br>R5-173707 'Update of MCPTT MIKEY-SAKKE I.MESSAGE'<br>R5-173766 'Update of TS 36.579-1 to version 0.2.0'<br>R5-174599 'SIP message defaults for 36.579-1'<br>R5-174600 'MCPTT Off-Network Group Call Signaling Message Defaults'                                                                                                                                                           | 0.2.0          |
| 2017-12        | RAN5#77 | R5-176835 | -    | -       | -   | Implemented approved:<br>R5-177000 "Update of SIP Message Defaults for MCPTT"<br>R5-176345 "Update of Specific SIP messages in Generic procedures"<br>R5-177001 "Update of Generic procedures for SIP registration"<br>R5-176347 "New Generic Procedure for ProSe group calls Announcing-Discoverer procedure for group member discovery"<br>R5-176348 "New Generic Procedure for ProSe group calls Monitoring/Discoverer procedure for group member discovery"<br>R5-177002 "Update with UE Configuration Defaults"<br>- References updates                                                                                                                                                                            | 0.3.0          |
| 2017-12        | RAN#78  | RP-172182 | -    | -       | -   | Draft version for information purposes to the RAN Plenary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.0.0          |
| 2018-03        | RAN5#78 | R5-180684 | -    | -       | -   | Implemented approved:<br>R5-180534 "Update of Section 5.5.2 and 5.5.3 for TS 36.579-1"<br>R5-180535 "Update of Section 5.5.5 for TS 36.579-1"<br>R5-180536 "Update of Section 5.5.6 for TS 36.579-1"<br>R5-181241 "Update of Section 5.5.9 TS 36.579-1"<br>R5-180633 "Update of Default HTTP message and other information elements"<br>R5-180634 "Update of Default MCPTT configuration management messages"<br>R5-180635 "New Generic procedures for MCPTT Authorization/Configuration and Key Generation"<br>R5-18063 "New Generic procedures for MCPTT communication in E-UTRA / Change of cells"<br>R5-180637 "Generic Test Procedure for MCPTT communication over MBMS"<br>R5-180638 "Various updates to 36579-1" | 1.1.0          |
| 2018-03        | RAN#79  | RP-180126 | -    | -       | -   | Draft version for approval to move the spec under revision control to the RAN Plenary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.0.0          |
| 2018-03        | RAN#79  | -         | -    | -       | -   | Editorial changes and promoted to v13.0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 13.0.0         |
| 2018-06        | RAN#80  | R5-182418 | 0001 | -       | F   | Addition and correction of GNSS information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13.1.0         |
| 2018-06        | RAN#80  | R5-182419 | 0002 | -       | F   | Editorial correction of typos and incorrect references                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13.1.0         |
| 2018-06        | RAN#80  | R5-182430 | 0003 | -       | F   | Editorial Update of 36.579-2 for style H6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 13.1.0         |
| 2018-06        | RAN#80  | R5-182431 | 0004 | -       | F   | Update of TC 5.1 for MCPTT APN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13.1.0         |
| 2018-06        | RAN#80  | R5-182432 | 0005 | -       | F   | Updates of Location information messages in 36.579-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 13.1.0         |
| 2018-06        | RAN#80  | R5-182489 | 0008 | -       | F   | Update of MCPTT TC 6.1.1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13.1.0         |
| 2018-06        | RAN#80  | R5-182510 | 0009 | -       | F   | Correction to MCPTT TC of 6.1.1.8, 6.1.1.11, 6.1.2.5 and 6.1.2.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 13.1.0         |
| 2018-06        | RAN#80  | R5-183167 | 0006 | 1       | F   | Updates of TC 6.3.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 13.1.0         |
| 2018-06        | RAN#80  | R5-183168 | 0007 | 1       | F   | Updates of TC 6.3.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 13.1.0         |
| 2018-09        | RAN#81  | R5-185084 | 0009 | -       | F   | Update to TLS setup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 13.2.0         |
| 2018-09        | RAN#81  | R5-185122 | 0007 | 1       | F   | Corrections to MCPTT Authorization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13.2.0         |
| 2018-09        | RAN#81  | R5-184685 | 0008 | -       | F   | Update of default message contents for new Rel-14 TCs for Private Call Call-Back and Ambient listening call                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 14.0.0         |
| 2018-12        | RAN#82  | R5-186878 | 0010 | -       | F   | Correction to Generic Test Procedure for MCPTT pre-established session establishment CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 14.1.0         |
| 2018-12        | RAN#82  | R5-186879 | 0011 | -       | F   | Editorial update of the default SDP and Resource-list Messages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14.1.0         |
| 2018-12        | RAN#82  | R5-186880 | 0012 | -       | F   | Update of default MCPTT media plane control messages and other information elements to reflect latest Rel-13 core specs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 14.1.0         |
| 2018-12        | RAN#82  | R5-186881 | 0013 | -       | F   | Update of XML schema for MCPTT location information to reflect latest Rel-13 core specs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 14.1.0         |
| 2018-12        | RAN#82  | R5-187709 | 0014 | 1       | F   | Corrections to clause 5.5.9 of 36.579-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 14.1.0         |
| 2018-12        | RAN#82  | R5-187710 | 0015 | 1       | F   | Corrections to clause 5.5.7.1 of 36.579-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14.1.0         |

|         |        |           |      |   |   |                                                                                               |        |
|---------|--------|-----------|------|---|---|-----------------------------------------------------------------------------------------------|--------|
| 2018-12 | RAN#82 | R5-187711 | 0016 | 1 | F | Update for Resource-lists in 36.579-1                                                         | 14.1.0 |
| 2018-12 | RAN#82 | R5-187712 | 0017 | 1 | F | Correction to Table 5.5.1-1 in 36.579-1                                                       | 14.1.0 |
| 2018-12 | RAN#82 | R5-187713 | 0018 | 1 | F | Correction to Table 5.5.4.10.1-1 in 36.579-1                                                  | 14.1.0 |
| 2018-12 | RAN#82 | R5-187714 | 0019 | 1 | F | Correction to Table 5.5.4.2-1 in 36.579-1                                                     | 14.1.0 |
| 2018-12 | RAN#82 | R5-187715 | 0020 | 1 | F | Correction to SIP NOTIFY message in 36.579-1                                                  | 14.1.0 |
| 2018-12 | RAN#82 | R5-187716 | 0021 | 1 | F | Correction to SIP SUBSCRIBE message in 36.579-1                                               | 14.1.0 |
| 2018-12 | RAN#82 | R5-187717 | 0022 | 1 | F | Update of Generic Test 5.3.2 in 36.579-1                                                      | 14.1.0 |
| 2019-03 | RAN#83 | R5-191210 | 0023 | - | F | Correction of default contents in SIP INVITE from the UE                                      | 14.2.0 |
| 2019-03 | RAN#83 | R5-191902 | 0024 | - | F | Update to MCPTT floor control default messages                                                | 14.2.0 |
| 2019-03 | RAN#83 | R5-192155 | 0025 | - | F | Update 36.579-1 Section 4.2 and 4.3                                                           | 14.2.0 |
| 2019-03 | RAN#83 | R5-192156 | 0026 | - | F | Update 36.579-1 Delete clauses inside the present spec                                        | 14.2.0 |
| 2019-03 | RAN#83 | R5-192157 | 0027 | - | F | Update 36.579-1 Blue text removal                                                             | 14.2.0 |
| 2019-06 | RAN#84 | R5-194001 | 0028 | - | F | Correction of default contents in the SIP INVITE from the UE                                  | 14.3.0 |
| 2019-06 | RAN#84 | R5-194665 | 0030 | - | F | Typo for MCPTT in 36.579-1                                                                    | 14.3.0 |
| 2019-06 | RAN#84 | R5-195216 | 0029 | 1 | F | Update of UE registration procedure for location info configuration                           | 14.3.0 |
| 2019-06 | RAN#84 | R5-195217 | 0031 | 1 | F | References and derivation path updates for SIP messages                                       | 14.3.0 |
| 2019-09 | RAN#85 | R5-196773 | 0045 | - | F | Updates to conditions Table 5.5.1-1                                                           | 14.4.0 |
| 2019-09 | RAN#85 | R5-196983 | 0046 | - | F | Correction of SIP messages                                                                    | 14.4.0 |
| 2019-09 | RAN#85 | R5-197133 | 0044 | 1 | F | Update for MCVideo and MCDATA services                                                        | 14.4.0 |
| 2019-09 | RAN#85 | R5-197229 | 0038 | 1 | F | Correction of default contents in the SIP REGISTER                                            | 14.4.0 |
| 2019-09 | RAN#85 | R5-197293 | 0043 | 2 | F | Update to Generic Procedure 5.3.3                                                             | 14.4.0 |
| 2019-09 | RAN#85 | R5-197294 | 0047 | - | F | Correction and addition of references or values and editorial comments                        | 14.4.0 |
| 2019-09 | RAN#85 | R5-197295 | 0041 | 2 | F | Corrections to MCPTT UE registration procedures                                               | 14.4.0 |
| 2019-12 | RAN#86 | R5-198159 | 0050 |   | F | Corrections to SIP signalling for MCPTT CO and CT communication procedures                    | 14.5.0 |
| 2019-12 | RAN#86 | R5-199043 | 0049 | 1 | F | Correction to default HTTP messages                                                           | 14.5.0 |
| 2019-12 | RAN#86 | R5-199044 | 0051 | 1 | F | Corrections to MCPTT UE registration procedures                                               | 14.5.0 |
| 2019-12 | RAN#86 | R5-199045 | 0052 | 1 | F | Additions of further references                                                               | 14.5.0 |
| 2019-12 | RAN#86 | R5-199046 | 0053 | 1 | F | Corrections related to MIKEY protocol                                                         | 14.5.0 |
| 2019-12 | RAN#86 | R5-199047 | 0054 | 1 | F | Correction to default messages for MCPTT group management and configuration management        | 14.5.0 |
| 2019-12 | RAN#86 | R5-199048 | 0055 | 1 | F | Correction of default SDP message and other information elements                              | 14.5.0 |
| 2019-12 | RAN#86 | R5-199051 | 0056 | 1 | F | SDP Default for MCVideo and MCDATA                                                            | 14.5.0 |
| 2019-12 | RAN#86 | R5-199052 | 0058 | 1 | F | Adding MCVideo Transmission Control Messages                                                  | 14.5.0 |
| 2019-12 | RAN#86 | R5-199053 | 0060 | 1 | F | Updates TS 33.179 references to TS 33.180                                                     | 14.5.0 |
| 2019-12 | RAN#86 | R5-199077 | 0048 | 2 | F | Correction to default SIP messages                                                            | 14.5.0 |
| 2020-03 | RAN#87 | R5-200264 | 0063 | - | F | Corrections to default SIP message and other information elements                             | 14.6.0 |
| 2020-03 | RAN#87 | R5-200265 | 0064 | - | F | Addition of further references                                                                | 14.6.0 |
| 2020-03 | RAN#87 | R5-200301 | 0065 | - | F | Corrections to default HTTP message and other information elements                            | 14.6.0 |
| 2020-03 | RAN#87 | R5-200385 | 0066 | - | F | Corrections to default MCPTT configuration management messages and other information elements | 14.6.0 |
| 2020-03 | RAN#87 | R5-201220 | 0062 | 1 | F | Corrections to MCPTT UE registration procedures                                               | 14.6.0 |
| 2020-06 | RAN#88 | R5-202552 | 0069 | 1 | F | Correcting core spec reference for APN requirements                                           | 14.7.0 |
| 2020-06 | RAN#88 | R5-202698 | 0073 | 1 | F | SDP updates for MCVideo and MCDATA                                                            | 14.7.0 |
| 2020-06 | RAN#88 | R5-202699 | 0076 | 1 | F | Default MCVideo Transmission Control Messages                                                 | 14.7.0 |
| 2020-06 | RAN#88 | R5-203001 | 0077 | 1 | F | SIP 202 (Accepted) message default                                                            | 14.7.0 |
| 2020-06 | RAN#88 | R5-203073 | 0067 | 1 | F | Updates to MCX generic test procedures and default message contents                           | 14.7.0 |
| 2020-06 | RAN#88 | R5-203074 | 0068 | 1 | F | Updates to generic test procedure for MCPTT Authorization/Configuration and Key Generation    | 14.7.0 |
| 2020-09 | RAN#89 | R5-204226 | 0082 | - | F | Addition of XML schema for MCVideo location information                                       | 14.8.0 |
| 2020-09 | RAN#89 | R5-204229 | 0083 | - | F | MCVideo and MCDATA in Clause 4                                                                | 14.8.0 |
| 2020-09 | RAN#89 | R5-204490 | 0084 | 1 | F | MCVideo and MCDATA in Clause 5.5.7                                                            | 14.8.0 |
| 2020-09 | RAN#89 | R5-204491 | 0085 | 1 | F | Updates to UE configuration document                                                          | 14.8.0 |
| 2020-09 | RAN#89 | R5-204492 | 0086 | 1 | F | Update of content with Rel-14 requirements                                                    | 14.8.0 |
| 2020-09 | RAN#89 | R5-204533 | 0078 | 1 | F | New MCPTT Common Procedures for CT/CO session establishment                                   | 14.8.0 |
| 2020-09 | RAN#89 | R5-204534 | 0079 | 1 | F | Updates to MCX generic test procedures and default message contents                           | 14.8.0 |
| 2020-09 | RAN#89 | R5-204535 | 0081 | 1 | F | Description of the distribution of MSCCK and MuSiK                                            | 14.8.0 |
| 2020-12 | RAN#90 | R5-206053 | 0094 |   | F | PIDF body modifications                                                                       | 14.9.0 |
| 2020-12 | RAN#90 | R5-206084 | 0096 |   | F | Condition updates for default MCS configuration management messages                           | 14.9.0 |
| 2020-12 | RAN#90 | R5-206108 | 0097 |   | F | Update of MCPTT Floor Control Messages for Rel-14                                             | 14.9.0 |
| 2020-12 | RAN#90 | R5-206445 | 0087 | 1 | F | Correction to Generic Test Procedure for MCPTT pre-established session establishment CO       | 14.9.0 |
| 2020-12 | RAN#90 | R5-206446 | 0088 | 1 | F | Correction to MCPTT Common Procedures for CT/CO session establishment                         | 14.9.0 |
| 2020-12 | RAN#90 | R5-206447 | 0089 | 1 | F | New MCPTT generic test procedures                                                             | 14.9.0 |
| 2020-12 | RAN#90 | R5-206448 | 0090 | 1 | F | Update to Default Message Content                                                             | 14.9.0 |

|         |        |           |      |   |   |                                                                                                                                    |        |
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| 2020-12 | RAN#90 | R5-206449 | 0091 | 1 | F | Updates for Group Communications Key retrieval                                                                                     | 14.9.0 |
| 2020-12 | RAN#90 | R5-206450 | 0093 | 1 | F | Second group configuration retrieval process modification                                                                          | 14.9.0 |
| 2020-12 | RAN#90 | R5-206451 | 0095 | 1 | F | Existing Generic Test Procedures Updates                                                                                           | 14.9.0 |
| 2020-12 | RAN#90 | R5-206422 | 0098 | 1 | F | Update of MCPTT Floor Control Messages for Rel-15                                                                                  | 15.0.0 |
| 2020-12 | RAN#90 | R5-206423 | 0099 | 1 | F | MCPTT Configuration Doc Update for Rel-15 Location                                                                                 | 15.0.0 |
| 2021-03 | RAN#91 | R5-210205 | 0101 | - | F | Correction to Generic Test Procedure for MCPTT CT group call establishment, manual commencement                                    | 15.1.0 |
| 2021-03 | RAN#91 | R5-210207 | 0103 | - | F | New MCPTT generic test procedures                                                                                                  | 15.1.0 |
| 2021-03 | RAN#91 | R5-210208 | 0104 | - | F | Update to Default HTTP message - POST                                                                                              | 15.1.0 |
| 2021-03 | RAN#91 | R5-210210 | 0106 | - | F | Update to Default Message Content - INVITE                                                                                         | 15.1.0 |
| 2021-03 | RAN#91 | R5-210211 | 0107 | - | F | Update to Default Message Content - Pidf                                                                                           | 15.1.0 |
| 2021-03 | RAN#91 | R5-210213 | 0109 | - | F | Update to Default Message Content - SDP                                                                                            | 15.1.0 |
| 2021-03 | RAN#91 | R5-210214 | 0110 | - | F | Update to Default Message Content - SIP 200 (OK)                                                                                   | 15.1.0 |
| 2021-03 | RAN#91 | R5-210215 | 0111 | - | F | Update to Default Message Content - UPDATE                                                                                         | 15.1.0 |
| 2021-03 | RAN#91 | R5-210216 | 0112 | - | F | Update to Default Message Content AFFILIATION-COMMAND                                                                              | 15.1.0 |
| 2021-03 | RAN#91 | R5-210217 | 0113 | - | F | Update to Default Message Content MIKEY-SAKKE I MESSAGE                                                                            | 15.1.0 |
| 2021-03 | RAN#91 | R5-210218 | 0114 | - | F | Update to Default Message Content SIP 180 (Ringing) and SIP 183 (Session progress)                                                 | 15.1.0 |
| 2021-03 | RAN#91 | R5-210219 | 0115 | - | F | Update to Default Message Content SIP MESSAGE                                                                                      | 15.1.0 |
| 2021-03 | RAN#91 | R5-210220 | 0116 | - | F | Update to Default Message Content SUBSCRIBE                                                                                        | 15.1.0 |
| 2021-03 | RAN#91 | R5-210221 | 0117 | - | F | Update to the MCS GKTP document                                                                                                    | 15.1.0 |
| 2021-03 | RAN#91 | R5-210319 | 0118 | - | F | Update to references clause                                                                                                        | 15.1.0 |
| 2021-03 | RAN#91 | R5-210994 | 0120 | - | F | Update to default MCPTT media plane control messages                                                                               | 15.1.0 |
| 2021-03 | RAN#91 | R5-211354 | 0121 | 1 | F | Update of References in 36.579-1                                                                                                   | 15.1.0 |
| 2021-03 | RAN#91 | R5-211517 | 0100 | 1 | F | Addition of a generic procedure for MCPTT radio bearer establishment for use of pre-established session                            | 15.1.0 |
| 2021-03 | RAN#91 | R5-211518 | 0102 | 1 | F | Correction to generic test procedure for MCPTT pre-established session establishment                                               | 15.1.0 |
| 2021-03 | RAN#91 | R5-211519 | 0108 | 1 | F | Update to Default Message Content - REFER and Resource-List                                                                        | 15.1.0 |
| 2021-03 | RAN#91 | R5-211520 | 0119 | 1 | F | MCPTT Info Corrections                                                                                                             | 15.1.0 |
| 2021-06 | RAN#92 | R5-212145 | 0123 | - | F | Removal of redundant references to TS 36.579-1                                                                                     | 15.2.0 |
| 2021-06 | RAN#92 | R5-212146 | 0124 | - | F | Addition of SIP 487 default message and update of User Profile for first-to-call and request remotely initiated call               | 15.2.0 |
| 2021-06 | RAN#92 | R5-212288 | 0128 | - | F | Correction to generic test procedure 5.3.13                                                                                        | 15.2.0 |
| 2021-06 | RAN#92 | R5-212289 | 0129 | - | F | Correction to generic test procedure 5.3.16                                                                                        | 15.2.0 |
| 2021-06 | RAN#92 | R5-212290 | 0130 | - | F | Correction to generic test procedure 5.3.19                                                                                        | 15.2.0 |
| 2021-06 | RAN#92 | R5-212291 | 0131 | - | F | Correction to generic test procedure 5.3.22                                                                                        | 15.2.0 |
| 2021-06 | RAN#92 | R5-212293 | 0133 | - | F | Correction to generic test procedure 5.3.5                                                                                         | 15.2.0 |
| 2021-06 | RAN#92 | R5-212294 | 0134 | - | F | Correction to Resource List message content                                                                                        | 15.2.0 |
| 2021-06 | RAN#92 | R5-212295 | 0135 | - | F | Correction to SDP message content                                                                                                  | 15.2.0 |
| 2021-06 | RAN#92 | R5-212298 | 0138 | - | F | Update to Default Message Content - Connect                                                                                        | 15.2.0 |
| 2021-06 | RAN#92 | R5-212299 | 0139 | - | F | Update to Default Message Content - INVITE                                                                                         | 15.2.0 |
| 2021-06 | RAN#92 | R5-212301 | 0141 | - | F | Update to Default Message Content - SIP MESSAGE                                                                                    | 15.2.0 |
| 2021-06 | RAN#92 | R5-212302 | 0142 | - | F | Update to Default Message Content - SIP PUBLISH                                                                                    | 15.2.0 |
| 2021-06 | RAN#92 | R5-212303 | 0143 | - | F | Update to Default Message Content SIP 4xx                                                                                          | 15.2.0 |
| 2021-06 | RAN#92 | R5-212304 | 0144 | - | F | Update to general conditions                                                                                                       | 15.2.0 |
| 2021-06 | RAN#92 | R5-212305 | 0145 | - | F | Update to references clause                                                                                                        | 15.2.0 |
| 2021-06 | RAN#92 | R5-212354 | 0146 | - | F | Correction to default message content Location-Info                                                                                | 15.2.0 |
| 2021-06 | RAN#92 | R5-212665 | 0148 | - | F | Additions to MCPTT Group Configuration                                                                                             | 15.2.0 |
| 2021-06 | RAN#92 | R5-213265 | 0151 | - | F | Additions to MCPTT Floor Control Defaults 5.5.6                                                                                    | 15.2.0 |
| 2021-06 | RAN#92 | R5-213266 | 0152 | - | F | Additions to MCPTT Group Configuration Defaults 5.5.7                                                                              | 15.2.0 |
| 2021-06 | RAN#92 | R5-213267 | 0153 | - | F | Update of MCVideo Transmission Control Default Messages 5.5.11                                                                     | 15.2.0 |
| 2021-06 | RAN#92 | R5-213588 | 0149 | 1 | F | Addition of Functional Alias Generic Procedures                                                                                    | 15.2.0 |
| 2021-06 | RAN#92 | R5-213589 | 0150 | 1 | F | Addition of Functional Alias to MCPTT Config Documents 5.5.8                                                                       | 15.2.0 |
| 2021-06 | RAN#92 | R5-213653 | 0126 | 1 | F | Correction to Default Message content HTTP POST, PUT and DELETE                                                                    | 15.2.0 |
| 2021-06 | RAN#92 | R5-213654 | 0127 | 1 | F | Correction to default message content MCPTT-Info                                                                                   | 15.2.0 |
| 2021-06 | RAN#92 | R5-213655 | 0132 | 1 | F | Correction to generic test procedure 5.3.3                                                                                         | 15.2.0 |
| 2021-06 | RAN#92 | R5-213656 | 0137 | 1 | F | New generic test procedure for group creation                                                                                      | 15.2.0 |
| 2021-06 | RAN#92 | R5-213657 | 0140 | 1 | F | Update to Default Message Content - REFER                                                                                          | 15.2.0 |
| 2021-09 | RAN#93 | R5-214625 | 0154 | - | F | Addition of clause 5.3.27 - Generic Test Procedure for MCPTT CO Temporary Group Creation                                           | 15.3.0 |
| 2021-09 | RAN#93 | R5-214626 | 0155 | - | F | Addition of clause 5.3.28 - Generic Test Procedure for MCPTT CO Temporary Group Tear Down                                          | 15.3.0 |
| 2021-09 | RAN#93 | R5-214630 | 0159 | - | F | Correction of clause 5.3.24 - Generic Test Procedure for UE initiated MCPTT functional alias status determination and subscription | 15.3.0 |
| 2021-09 | RAN#93 | R5-214631 | 0160 | - | F | Correction of clause 5.3.25 - Generic Test Procedure for UE initiated MCPTT functional alias status change                         | 15.3.0 |
| 2021-09 | RAN#93 | R5-214632 | 0161 | - | F | Correction of clause 5.3.26 - Generic Test Procedure for MCPTT CO Group Creation                                                   | 15.3.0 |
| 2021-09 | RAN#93 | R5-214633 | 0162 | - | F | Correction of clause 5.3.3 – Generic Test Procedure for MCPTT pre-established session establishment CO                             | 15.3.0 |

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| 2021-09 | RAN#93 | R5-214635 | 0164 | - | F | Correction of clause 5.5.2.11 – SIP PUBLISH                                                                                                    | 15.3.0 |
| 2021-09 | RAN#93 | R5-214646 | 0175 | - | F | Correction of clause 5.5.4.3 - HTTP POST                                                                                                       | 15.3.0 |
| 2021-09 | RAN#93 | R5-214918 | 0182 | - | F | MCX IUT                                                                                                                                        | 15.3.0 |
| 2021-09 | RAN#93 | R5-215370 | 0183 | - | F | Correction of General extension payload in Mikey message                                                                                       | 15.3.0 |
| 2021-09 | RAN#93 | R5-215383 | 0184 | - | F | Correction of XCAP Root URI in HTTP GET Requests                                                                                               | 15.3.0 |
| 2021-09 | RAN#93 | R5-215728 | 0156 | 1 | F | Addition of clause 5.3.29 - Generic Test Procedure for MCPTT Subscription and Notification                                                     | 15.3.0 |
| 2021-09 | RAN#93 | R5-215729 | 0157 | 1 | F | Correction of clause 5.3.15 – Generic Test Procedure for MCPTT CO session modification without implicit Floor Control                          | 15.3.0 |
| 2021-09 | RAN#93 | R5-215730 | 0158 | 1 | F | Correction of clause 5.3.22 - Generic Test Procedure for NW initiated temporary group creation                                                 | 15.3.0 |
| 2021-09 | RAN#93 | R5-215731 | 0163 | 1 | F | Correction of clause 5.5.1 – General                                                                                                           | 15.3.0 |
| 2021-09 | RAN#93 | R5-215732 | 0165 | 1 | F | Correction of clause 5.5.2.14 – SIP SUBSCRIBE                                                                                                  | 15.3.0 |
| 2021-09 | RAN#93 | R5-215733 | 0166 | 1 | F | Correction of clause 5.5.2.5 – SIP INVITE                                                                                                      | 15.3.0 |
| 2021-09 | RAN#93 | R5-215734 | 0167 | 1 | F | Correction of clause 5.5.2.8 – SIP NOTIFY                                                                                                      | 15.3.0 |
| 2021-09 | RAN#93 | R5-215735 | 0168 | 1 | F | Correction of clause 5.5.3.1 – SDP Message                                                                                                     | 15.3.0 |
| 2021-09 | RAN#93 | R5-215736 | 0169 | 1 | F | Correction of clause 5.5.3.11 – PoC-Settings                                                                                                   | 15.3.0 |
| 2021-09 | RAN#93 | R5-215737 | 0170 | 1 | F | Correction of clause 5.5.3.12 – XCAP-DIFF                                                                                                      | 15.3.0 |
| 2021-09 | RAN#93 | R5-215738 | 0171 | 1 | F | Correction of clause 5.5.3.2 – MCS Info Lists                                                                                                  | 15.3.0 |
| 2021-09 | RAN#93 | R5-215739 | 0172 | 1 | F | Correction of clause 5.5.3.3 – Resource Lists                                                                                                  | 15.3.0 |
| 2021-09 | RAN#93 | R5-215740 | 0173 | 1 | F | Correction of clause 5.5.3.5 – PIDF                                                                                                            | 15.3.0 |
| 2021-09 | RAN#93 | R5-215741 | 0174 | 1 | F | Correction of clause 5.5.4.1 – General conditions                                                                                              | 15.3.0 |
| 2021-09 | RAN#93 | R5-215742 | 0176 | 1 | F | Correction of clause 5.5.4.4 - HTTP PUT                                                                                                        | 15.3.0 |
| 2021-09 | RAN#93 | R5-215743 | 0177 | 1 | F | Correction of clause 5.5.4.5 - HTTP DELETE                                                                                                     | 15.3.0 |
| 2021-09 | RAN#93 | R5-215745 | 0179 | 1 | F | Correction of clause 5.5.4.7 - HTTP 201 (Created)                                                                                              | 15.3.0 |
| 2021-09 | RAN#93 | R5-215746 | 0180 | 1 | F | Correction of clause 5.5.6.7 - Floor Taken                                                                                                     | 15.3.0 |
| 2021-09 | RAN#93 | R5-215747 | 0181 | 1 | F | Correction of clause 5.5.7.1 - MCPTT Group Configuration                                                                                       | 15.3.0 |
| 2021-09 | RAN#93 | R5-216282 | 0185 | 1 | F | Addition of MIKEY-SAKKE I_MESSAGE Table 5.5.9.1-1A CSK download sent by the SS                                                                 | 15.3.0 |
| 2021-09 | RAN#93 | -         | -    | - | - | Editorial fixes                                                                                                                                | 15.3.1 |
| 2021-12 | RAN#94 | R5-216663 | 0187 | - | F | Correction of clause 5.5.2.11 - SIP PUBLISH                                                                                                    | 15.4.0 |
| 2021-12 | RAN#94 | R5-216664 | 0188 | - | F | Correction of clause 5.5.2.12 - SIP REFER                                                                                                      | 15.4.0 |
| 2021-12 | RAN#94 | R5-216665 | 0189 | - | F | Correction of clause 5.5.2.13 - SIP REGISTER                                                                                                   | 15.4.0 |
| 2021-12 | RAN#94 | R5-216667 | 0191 | - | F | Correction of clause 5.5.2.16.3 - SIP 183 (Session Progress)                                                                                   | 15.4.0 |
| 2021-12 | RAN#94 | R5-216668 | 0192 | - | F | Correction of clause 5.5.2.17.1 - SIP 200 (OK)                                                                                                 | 15.4.0 |
| 2021-12 | RAN#94 | R5-216669 | 0193 | - | F | Correction of clause 5.5.2.2 - SIP BYE                                                                                                         | 15.4.0 |
| 2021-12 | RAN#94 | R5-216670 | 0194 | - | F | Correction of clause 5.5.2.5 - SIP INVITE                                                                                                      | 15.4.0 |
| 2021-12 | RAN#94 | R5-216671 | 0195 | - | F | Correction of clause 5.5.2.7 - SIP MESSAGE                                                                                                     | 15.4.0 |
| 2021-12 | RAN#94 | R5-216672 | 0196 | - | F | Correction of clause 5.5.2.8 - SIP NOTIFY                                                                                                      | 15.4.0 |
| 2021-12 | RAN#94 | R5-216674 | 0198 | - | F | Correction of clause 5.5.3.10 - MCDATA Protected Payload Message                                                                               | 15.4.0 |
| 2021-12 | RAN#94 | R5-216676 | 0200 | - | F | Correction of clause 5.5.3.2 - MCPTT-Info from the UE                                                                                          | 15.4.0 |
| 2021-12 | RAN#94 | R5-216677 | 0201 | - | F | Correction of clause 5.5.3.3 - Resource-lists                                                                                                  | 15.4.0 |
| 2021-12 | RAN#94 | R5-216678 | 0202 | - | F | Correction of clause 5.5.3.4 - Location-info                                                                                                   | 15.4.0 |
| 2021-12 | RAN#94 | R5-216679 | 0203 | - | F | Correction of clause 5.5.3.6 - SIMPLE-FILTER                                                                                                   | 15.4.0 |
| 2021-12 | RAN#94 | R5-216680 | 0204 | - | F | Correction of clause 5.5.3.8 - SDS Signalling Payload                                                                                          | 15.4.0 |
| 2021-12 | RAN#94 | R5-216681 | 0205 | - | F | Correction of clause 5.5.3.9 - MCDATA Data Payload                                                                                             | 15.4.0 |
| 2021-12 | RAN#94 | R5-216682 | 0206 | - | F | Correction of clause 5.5.4 - Default HTTP message and other information elements                                                               | 15.4.0 |
| 2021-12 | RAN#94 | R5-216684 | 0208 | - | F | Correction of clause 5.5.7 - Default MCPTT group management messages and other information elements                                            | 15.4.0 |
| 2021-12 | RAN#94 | R5-216686 | 0210 | - | F | Correction of clause 5.5.9.1 - MIKEY-SAKKE I_MESSAGE                                                                                           | 15.4.0 |
| 2021-12 | RAN#94 | R5-216687 | 0211 | - | F | Correction of Generic Test Procedure for MCPTT CO call establishment using a pre-established session 5.3.9                                     | 15.4.0 |
| 2021-12 | RAN#94 | R5-216689 | 0213 | - | F | Correction of Generic Test Procedure for MCPTT CO call release keeping the pre-established session 5.3.11                                      | 15.4.0 |
| 2021-12 | RAN#94 | R5-216690 | 0214 | - | F | Correction of Generic Test Procedure for MCPTT CO Group Creation 5.3.26                                                                        | 15.4.0 |
| 2021-12 | RAN#94 | R5-216691 | 0215 | - | F | Correction of Generic Test Procedure for MCPTT CO session establishment/modification without provisional responses other than 100 Trying 5.3.7 | 15.4.0 |
| 2021-12 | RAN#94 | R5-216692 | 0216 | - | F | Correction of Generic Test Procedure for MCPTT CO session modification without implicit Floor Control 5.3.15                                   | 15.4.0 |
| 2021-12 | RAN#94 | R5-216693 | 0217 | - | F | Correction of Generic Test Procedure for MCPTT CO Temporary Group Creation 5.3.27                                                              | 15.4.0 |
| 2021-12 | RAN#94 | R5-216694 | 0218 | - | F | Correction of Generic Test Procedure for MCPTT CO Temporary Group Tear Down 5.3.28                                                             | 15.4.0 |
| 2021-12 | RAN#94 | R5-216695 | 0219 | - | F | Correction of Generic Test Procedure for MCPTT CT call release 5.3.12                                                                          | 15.4.0 |
| 2021-12 | RAN#94 | R5-216696 | 0220 | - | F | Correction of Generic Test Procedure for MCPTT CT call release keeping the pre-established session 5.3.13                                      | 15.4.0 |
| 2021-12 | RAN#94 | R5-216697 | 0221 | - | F | Correction of Generic Test Procedure for MCPTT CT group call establishment, manual commencement 5.3.5                                          | 15.4.0 |

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| 2021-12 | RAN#94 | R5-216698 | 0222 | - | F | Correction of Generic Test Procedure for MCPTT CT session establishment/modification without provisional responses other than 100 Trying 5.3.4 | 15.4.0 |
| 2021-12 | RAN#94 | R5-216700 | 0224 | - | F | Correction of Generic Test Procedure for MCPTT Subscription and Notification 5.3.29                                                            | 15.4.0 |
| 2021-12 | RAN#94 | R5-216701 | 0225 | - | F | Correction of Generic Test Procedure for MCPTT UE registration 5.4.2                                                                           | 15.4.0 |
| 2021-12 | RAN#94 | R5-216702 | 0226 | - | F | Correction of Generic Test Procedure for UE initiated MCPTT functional alias status change 5.3.25                                              | 15.4.0 |
| 2021-12 | RAN#94 | R5-216703 | 0227 | - | F | Correction of Generic Test Procedure for UE initiated MCPTT functional alias status determination and subscription 5.3.24                      | 15.4.0 |
| 2021-12 | RAN#94 | R5-217632 | 0229 | - | F | Update of Clause 5.5.8.3 MCPTT User Profile                                                                                                    | 15.4.0 |
| 2021-12 | RAN#94 | R5-217905 | 0186 | 1 | F | 5.5.7.3 MCDATA Group Configuration Updates                                                                                                     | 15.4.0 |
| 2021-12 | RAN#94 | R5-217964 | 0190 | 1 | F | Correction of clause 5.5.2.14 - SIP SUBSCRIBE                                                                                                  | 15.4.0 |
| 2021-12 | RAN#94 | R5-217965 | 0197 | 1 | F | Correction of clause 5.5.3.1 - SDP Message                                                                                                     | 15.4.0 |
| 2021-12 | RAN#94 | R5-217966 | 0199 | 1 | F | Correction of clause 5.5.3.12 - Xcap-diff documents                                                                                            | 15.4.0 |
| 2021-12 | RAN#94 | R5-217967 | 0207 | 1 | F | Correction of clause 5.5.6.1 - 5.5.6.13 - Default MCPTT media plane control messages from UE                                                   | 15.4.0 |
| 2021-12 | RAN#94 | R5-217968 | 0212 | 1 | F | Correction of Generic Test Procedure for MCPTT CO call release 5.3.10                                                                          | 15.4.0 |
| 2021-12 | RAN#94 | R5-217985 | 0209 | 1 | F | Correction of clause 5.5.8 - Default MCS configuration management messages and other information elements                                      | 15.4.0 |
| 2021-12 | RAN#94 | R5-217986 | 0223 | 1 | F | Correction of Generic Test Procedure for MCPTT pre-established session establishment CO 5.3.3                                                  | 15.4.0 |
| 2021-12 | RAN#94 | R5-217987 | 0228 | 1 | F | New MCX generic test procedures for SIP MESSAGE message flows                                                                                  | 15.4.0 |
| 2022-03 | RAN#95 | R5-220461 | 0231 | - | F | Correction of clause 2 - References                                                                                                            | 15.5.0 |
| 2022-03 | RAN#95 | R5-220462 | 0232 | - | F | Correction of clause 5.4 - Generic test procedures for UE operation over E-UTRA/EPC                                                            | 15.5.0 |
| 2022-03 | RAN#95 | R5-220463 | 0233 | - | F | Correction of clause 5.5.11 - Default MCVideo Transmission Control Messages and other Information Elements                                     | 15.5.0 |
| 2022-03 | RAN#95 | R5-220464 | 0234 | - | F | Correction of clause 5.5.12 - MSRP Messages for MCDATA                                                                                         | 15.5.0 |
| 2022-03 | RAN#95 | R5-220465 | 0235 | - | F | Correction of clause 5.5.2.16 - SIP 1xx                                                                                                        | 15.5.0 |
| 2022-03 | RAN#95 | R5-220466 | 0236 | - | F | Correction of clause 5.5.2.17 - SIP 2xx                                                                                                        | 15.5.0 |
| 2022-03 | RAN#95 | R5-220467 | 0237 | - | F | Correction of clause 5.5.2.5 - SIP INVITE                                                                                                      | 15.5.0 |
| 2022-03 | RAN#95 | R5-220468 | 0238 | - | F | Correction of clause 5.5.2.7 - SIP MESSAGE                                                                                                     | 15.5.0 |
| 2022-03 | RAN#95 | R5-220469 | 0239 | - | F | Correction of clause 5.5.2.11 - SIP PUBLISH                                                                                                    | 15.5.0 |
| 2022-03 | RAN#95 | R5-220470 | 0240 | - | F | Correction of clause 5.5.2.8 - SIP NOTIFY                                                                                                      | 15.5.0 |
| 2022-03 | RAN#95 | R5-220472 | 0242 | - | F | Correction of clause 5.5.3.10 - MCDATA Protected Payload Message                                                                               | 15.5.0 |
| 2022-03 | RAN#95 | R5-220474 | 0244 | - | F | Correction of clause 5.5.3.8 - MCDATA Data signalling messages                                                                                 | 15.5.0 |
| 2022-03 | RAN#95 | R5-220475 | 0245 | - | F | Correction of clause 5.5.4 - Default HTTP message and other information elements                                                               | 15.5.0 |
| 2022-03 | RAN#95 | R5-220476 | 0246 | - | F | Correction of clause 5.5.6 - Default MCPTT media plane control messages and other information elements                                         | 15.5.0 |
| 2022-03 | RAN#95 | R5-220477 | 0247 | - | F | Correction of clause 5.5.7 - Default MCX group management messages and other information elements                                              | 15.5.0 |
| 2022-03 | RAN#95 | R5-220478 | 0248 | - | F | Correction of clause 5.5.8 - Default MCS configuration management messages and other information elements                                      | 15.5.0 |
| 2022-03 | RAN#95 | R5-220479 | 0249 | - | F | Correction of clause 5.5.9.1 - CSK download by the SS                                                                                          | 15.5.0 |
| 2022-03 | RAN#95 | R5-220480 | 0250 | - | F | Removal of clause 5.5.3.13                                                                                                                     | 15.5.0 |
| 2022-03 | RAN#95 | R5-221545 | 0230 | 1 | F | Additional Rel-15 parameters for MCVideo User Profile 5.5.8.7                                                                                  | 15.5.0 |
| 2022-03 | RAN#95 | R5-222026 | 0241 | 1 | F | Correction of clause 5.5.3.1 - SDP Message                                                                                                     | 15.5.0 |
| 2022-03 | RAN#95 | R5-222027 | 0243 | 1 | F | Correction of clause 5.5.3.6 - SIMPLE-FILTER                                                                                                   | 15.5.0 |
| 2022-03 | RAN#95 | R5-222028 | 0251 | 1 | F | Restructuring of clause 5.3 - Generic test procedures for UE MCS operation                                                                     | 15.5.0 |
| 2022-06 | RAN#96 | R5-222141 | 0252 | - | F | New MCDATA off-network signalling messages in 5.5.3.8                                                                                          | 15.6.0 |
| 2022-06 | RAN#96 | R5-222142 | 0253 | - | F | New MCVideo Off-network Message Defaults 5.5.14                                                                                                | 15.6.0 |
| 2022-06 | RAN#96 | R5-222392 | 0254 | - | F | Addition of clause 5.5.3.15 - Conference-info                                                                                                  | 15.6.0 |
| 2022-06 | RAN#96 | R5-222394 | 0256 | - | F | Correction of clause 5.5.2.14 - SIP SUBSCRIBE                                                                                                  | 15.6.0 |
| 2022-06 | RAN#96 | R5-222396 | 0258 | - | F | Correction of clause 5.5.3.2 - MCS Info Lists                                                                                                  | 15.6.0 |
| 2022-06 | RAN#96 | R5-222398 | 0260 | - | F | Correction of clause 5.5.8 - Default MCS configuration management messages and other information elements                                      | 15.6.0 |
| 2022-06 | RAN#96 | R5-222399 | 0261 | - | F | Corrections of clause 5.5.3.1 - SDP message                                                                                                    | 15.6.0 |
| 2022-06 | RAN#96 | R5-222400 | 0262 | - | F | Extensions of clause 2 - References                                                                                                            | 15.6.0 |
| 2022-06 | RAN#96 | R5-223477 | 0255 | 1 | F | Correction of clause 5.3 - Generic test procedures for UE MCS operation                                                                        | 15.6.0 |
| 2022-06 | RAN#96 | R5-223478 | 0259 | 1 | F | Correction of clause 5.5.3.6 - SIMPLE-FILTER                                                                                                   | 15.6.0 |
| 2022-09 | RAN#97 | R5-223942 | 0263 | - | F | Correction of clause 5.3A - Generic test procedures for UE MCPTT operation                                                                     | 15.7.0 |
| 2022-09 | RAN#97 | R5-223943 | 0264 | - | F | Correction of clause 5.3B - Generic test procedures for UE MCVideo operation                                                                   | 15.7.0 |
| 2022-09 | RAN#97 | R5-223944 | 0265 | - | F | Correction of clause 5.5.11 - Default MCVideo Transmission Control Messages and other Information Elements                                     | 15.7.0 |

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|---------|---------|-----------|------|---|---|---------------------------------------------------------------------------------------------------------------------------------|--------|
| 2022-09 | RAN#97  | R5-223945 | 0266 | - | F | Correction of clause 5.5.2 - Default SIP message and other information elements                                                 | 15.7.0 |
| 2022-09 | RAN#97  | R5-223946 | 0267 | - | F | Correction of clause 5.5.3.1 - SDP Message                                                                                      | 15.7.0 |
| 2022-09 | RAN#97  | R5-223947 | 0268 | - | F | Correction of clause 5.5.6 - Default MCPTT media plane control messages and other information elements                          | 15.7.0 |
| 2022-09 | RAN#97  | R5-223948 | 0269 | - | F | Correction of clause 5.5.8 - Default MCS configuration management messages and other information elements                       | 15.7.0 |
| 2022-09 | RAN#97  | R5-223949 | 0270 | - | F | Correction of clause 5.5.9 - Default miscellaneous messages and other information elements                                      | 15.7.0 |
| 2022-09 | RAN#97  | R5-225275 | 0271 | 1 | F | Correction of KMS Request URIs in HTTP POST                                                                                     | 15.7.0 |
| 2022-12 | RAN#98  | R5-226060 | 0272 |   | F | Correction of clause 5.3.3 - MCX pre-established session establishment CO                                                       | 15.8.0 |
| 2022-12 | RAN#98  | R5-226061 | 0273 |   | F | Correction of clause 5.3B.3 - MCVideo Media Transmission Notification and Request CT                                            | 15.8.0 |
| 2022-12 | RAN#98  | R5-226062 | 0274 |   | F | Correction of clause 5.5.1 - General                                                                                            | 15.8.0 |
| 2022-12 | RAN#98  | R5-226064 | 0276 |   | F | Correction of clause 5.5.12 - MSRP Messages for MCDATA                                                                          | 15.8.0 |
| 2022-12 | RAN#98  | R5-226065 | 0277 |   | F | Correction of clause 5.5.2 - Default SIP message and other information elements                                                 | 15.8.0 |
| 2022-12 | RAN#98  | R5-226066 | 0278 |   | F | Correction of clause 5.5.3.2 - MCS Info Lists                                                                                   | 15.8.0 |
| 2022-12 | RAN#98  | R5-226067 | 0279 |   | F | Correction of clause 5.5.3.4 - Location-info                                                                                    | 15.8.0 |
| 2022-12 | RAN#98  | R5-226068 | 0280 |   | F | Correction of clause 5.5.3.8 - MCDATA Data signalling messages                                                                  | 15.8.0 |
| 2022-12 | RAN#98  | R5-226069 | 0281 |   | F | Correction of clause 5.5.6 - Default MCPTT media plane control messages and other information elements                          | 15.8.0 |
| 2022-12 | RAN#98  | R5-226070 | 0282 |   | F | Correction of clause 5.5.8 - Default MCS configuration management messages and other information elements                       | 15.8.0 |
| 2022-12 | RAN#98  | R5-226532 | 0283 |   | F | Editorial correction of 5.3B.7                                                                                                  | 15.8.0 |
| 2022-12 | RAN#98  | R5-226683 | 0284 |   | F | Correction of clause 5.3A.1 - MCPTT CO session establishment/modification without provisional responses other than 100 Trying   | 15.8.0 |
| 2022-12 | RAN#98  | R5-226685 | 0285 |   | F | Correction of clause 5.3B.1 - MCVideo CO session establishment/modification without provisional responses other than 100 Trying | 15.8.0 |
| 2022-12 | RAN#98  | R5-227614 | 0275 | 1 | F | Correction of clause 5.5.11 - Default MCVideo Transmission Control Messages and other Information Elements                      | 15.8.0 |
| 2023-03 | RAN#99  | R5-230126 | 0288 | - | F | Correction of clause 5.3A - Generic test procedures for UE MCPTT operation                                                      | 15.9.0 |
| 2023-03 | RAN#99  | R5-230128 | 0290 | - | F | Correction of clause 5.3C - Generic test procedures for UE MCDATA operation                                                     | 15.9.0 |
| 2023-03 | RAN#99  | R5-230131 | 0293 | - | F | Correction of clause 5.5.3.2 - MCS Info Lists                                                                                   | 15.9.0 |
| 2023-03 | RAN#99  | R5-230133 | 0295 | - | F | Correction of clause 5.5.3.4 - Location-info                                                                                    | 15.9.0 |
| 2023-03 | RAN#99  | R5-230134 | 0296 | - | F | Correction of clause 5.5.7 - Default MCX group management messages and other information elements                               | 15.9.0 |
| 2023-03 | RAN#99  | R5-230135 | 0297 | - | F | Correction of clause 5.5.8 - Default MCS configuration management messages and other information elements                       | 15.9.0 |
| 2023-03 | RAN#99  | R5-230295 | 0298 | - | F | Correction of clause 5.5.4.6 - HTTP 200 OK                                                                                      | 15.9.0 |
| 2023-03 | RAN#99  | R5-231936 | 0287 | 1 | F | Correction of clause 5.3 - Generic test procedures for UE MCS operation                                                         | 15.9.0 |
| 2023-03 | RAN#99  | R5-231937 | 0289 | 1 | F | Correction of clause 5.3B - Generic test procedures for UE MCVideo operation                                                    | 15.9.0 |
| 2023-03 | RAN#99  | R5-231938 | 0291 | 1 | F | Correction of clause 5.4 - Generic test procedures for UE operation over E-UTRA/EPC                                             | 15.9.0 |
| 2023-03 | RAN#99  | R5-231939 | 0292 | 1 | F | Correction of clause 5.5.2 - Default SIP message and other information elements                                                 | 15.9.0 |
| 2023-03 | RAN#99  | R5-231940 | 0294 | 1 | F | Correction of clause 5.5.3.3 - Resource-lists                                                                                   | 15.9.0 |
| 2023-03 | RAN#99  | R5-231917 | 0299 | 1 | F | New Rel-16 parameters for MCPTT User Profile                                                                                    | 16.0.0 |
| 2023-06 | RAN#100 | R5-232214 | 0301 | - | F | Correction of clause 5.5.11.3.5                                                                                                 | 16.1.0 |
| 2023-06 | RAN#100 | R5-232215 | 0302 | - | F | Correction of clause 5.5.4.10.1                                                                                                 | 16.1.0 |
| 2023-06 | RAN#100 | R5-232216 | 0303 | - | F | Correction of clause 5.5.6.11                                                                                                   | 16.1.0 |
| 2023-06 | RAN#100 | R5-232218 | 0305 | - | F | Correction of clause 5.5.8.3                                                                                                    | 16.1.0 |
| 2023-06 | RAN#100 | R5-233293 | 0313 | - | F | Addition of generic Functional Alias Generic Procedures                                                                         | 16.1.0 |
| 2023-06 | RAN#100 | R5-233294 | 0311 | 1 | F | Updates to SDP Message from the SS for MCDATA                                                                                   | 16.1.0 |
| 2023-06 | RAN#100 | R5-233488 | 0306 | 1 | F | Updates to MCDATA UE Configuration and User Profile                                                                             | 16.1.0 |
| 2023-06 | RAN#100 | R5-233489 | 0308 | 1 | F | Updates to MCDATA PIDF for functional alias                                                                                     | 16.1.0 |
| 2023-06 | RAN#100 | R5-233490 | 0309 | 1 | F | Updates to 5.3.3 Pre-Established Session Establishment Generic TC                                                               | 16.1.0 |
| 2023-06 | RAN#100 | R5-233491 | 0310 | 1 | F | Updates to MCDATA-Info from the UE                                                                                              | 16.1.0 |
| 2023-06 | RAN#100 | R5-233492 | 0312 | 1 | F | Updates to SDP Message from the UE for MCDATA                                                                                   | 16.1.0 |
| 2023-09 | RAN#101 | R5-233848 | 0314 | - | F | Correction of clause 5.5.3.1.1                                                                                                  | 16.2.0 |
| 2023-09 | RAN#101 | R5-233849 | 0315 | - | F | Correction of clause 5.5.3.2.1                                                                                                  | 16.2.0 |
| 2023-09 | RAN#101 | R5-233850 | 0316 | - | F | Correction of clause 5.5.4.3                                                                                                    | 16.2.0 |
| 2023-09 | RAN#101 | R5-233851 | 0317 | - | F | Correction of clauses 5.3.36 and 5.3.37                                                                                         | 16.2.0 |
| 2023-09 | RAN#101 | R5-233852 | 0318 | - | F | Removal of clauses 5.3A.9 and 5.3A.10                                                                                           | 16.2.0 |
| 2023-09 | RAN#101 | R5-234572 | 0319 | - | F | Updates to 5.3.3 Pre-Established Session Establishment Generic TC                                                               | 16.2.0 |
| 2023-09 | RAN#101 | R5-234585 | 0320 | - | F | Updates for Resource-lists for MCDATA                                                                                           | 16.2.0 |

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| 2023-09 | RAN#101 | R5-235403 | 0321 | 1 | F | Addition of new generic procedure CO MCDData call establishment using a pre-established session | 16.2.0 |
| 2023-09 | RAN#101 | R5-235404 | 0322 | 1 | F | Addition of new generic procedure MCDData CO call release keeping the pre-established session   | 16.2.0 |
| 2023-12 | RAN#102 | R5-236320 | 0323 |   | F | Correction of clause 5.5.11                                                                     | 16.3.0 |
| 2023-12 | RAN#102 | R5-236321 | 0324 |   | F | Correction of clause 5.5.3.1                                                                    | 16.3.0 |
| 2023-12 | RAN#102 | R5-236322 | 0325 |   | F | Correction of clause 5.5.3.2                                                                    | 16.3.0 |
| 2023-12 | RAN#102 | R5-236323 | 0326 |   | F | Correction of clause 5.5.6                                                                      | 16.3.0 |
| 2023-12 | RAN#102 | R5-236324 | 0327 |   | F | Corrections of generic test procedures in clause 5.3 and clause 5.3C                            | 16.3.0 |
| 2023-12 | RAN#102 | R5-236601 | 0328 |   | F | Addition of MCPTT User Profile Rules for Affiliation                                            | 16.3.0 |
| 2023-12 | RAN#102 | R5-237437 | 0329 | 1 | F | Addition of MCPTT_Regoup Default                                                                | 16.3.0 |
| 2024-03 | RAN#103 | R5-240555 | 0330 | - | F | Corrections of clause 5.3.2                                                                     | 16.4.0 |
| 2024-03 | RAN#103 | R5-240556 | 0331 | - | F | Corrections of clause 5.3.29                                                                    | 16.4.0 |
| 2024-03 | RAN#103 | R5-240557 | 0332 | - | F | Corrections of clause 5.3.32                                                                    | 16.4.0 |
| 2024-03 | RAN#103 | R5-240558 | 0333 | - | F | Corrections of clause 5.4.2                                                                     | 16.4.0 |
| 2024-03 | RAN#103 | R5-240559 | 0334 | - | F | Corrections of clause 5.5.1                                                                     | 16.4.0 |
| 2024-03 | RAN#103 | R5-240560 | 0335 | - | F | Corrections of clause 5.5.2.11                                                                  | 16.4.0 |
| 2024-03 | RAN#103 | R5-240561 | 0336 | - | F | Corrections of clause 5.5.2.13                                                                  | 16.4.0 |
| 2024-03 | RAN#103 | R5-240562 | 0337 | - | F | Corrections of clause 5.5.2.19.4                                                                | 16.4.0 |
| 2024-03 | RAN#103 | R5-240563 | 0338 | - | F | Corrections of clause 5.5.2.7.2                                                                 | 16.4.0 |
| 2024-03 | RAN#103 | R5-240564 | 0339 | - | F | Corrections of clause 5.5.3.3.1A                                                                | 16.4.0 |
| 2024-03 | RAN#103 | R5-240565 | 0340 | - | F | Corrections of clause 5.5.9.1                                                                   | 16.4.0 |
| 2024-03 | RAN#103 | R5-240566 | 0341 | - | F | Corrections of references to 24.282                                                             | 16.4.0 |
| 2024-03 | RAN#103 | R5-240897 | 0342 | - | F | Corrections to Table 5.5.3.3.1-3 MCDData Resource-lists                                         | 16.4.0 |
| 2024-03 | RAN#103 | R5-240898 | 0343 | - | F | Addition of Location-info for MCDData                                                           | 16.4.0 |
| 2024-06 | RAN#104 | R5-242337 | 0344 | - | F | Clarification of initial conditions and RRC/NAS signalling in clause 5.3                        | 16.5.0 |
| 2024-06 | RAN#104 | R5-242338 | 0345 | - | F | Clarification of initial conditions and RRC/NAS signalling in clause 5.3A                       | 16.5.0 |
| 2024-06 | RAN#104 | R5-242339 | 0346 | - | F | Clarification of initial conditions and RRC/NAS signalling in clause 5.3B                       | 16.5.0 |
| 2024-06 | RAN#104 | R5-242340 | 0347 | - | F | Clarification of initial conditions and RRC/NAS signalling in clause 5.3C                       | 16.5.0 |
| 2024-06 | RAN#104 | R5-242341 | 0348 | - | F | Clarifying the System Under Test                                                                | 16.5.0 |
| 2024-06 | RAN#104 | R5-242342 | 0349 | - | F | Corrections of clause 2                                                                         | 16.5.0 |
| 2024-06 | RAN#104 | R5-242343 | 0350 | - | F | Corrections of clause 5.5.2.15.2                                                                | 16.5.0 |
| 2024-06 | RAN#104 | R5-242344 | 0351 | - | F | Corrections of clause 5.5.2.2.2                                                                 | 16.5.0 |
| 2024-06 | RAN#104 | R5-242345 | 0352 | - | F | Corrections of clause 5.5.2.4                                                                   | 16.5.0 |
| 2024-06 | RAN#104 | R5-242346 | 0353 | - | F | Corrections of clause 5.5.2.5.2                                                                 | 16.5.0 |
| 2024-06 | RAN#104 | R5-242347 | 0354 | - | F | Corrections of clause 5.5.2.7.1                                                                 | 16.5.0 |
| 2024-06 | RAN#104 | R5-242348 | 0355 | - | F | Editorial corrections of clauses 1 and 4                                                        | 16.5.0 |
| 2024-06 | RAN#104 | R5-242349 | 0356 | - | F | Improvement of clause 5.2                                                                       | 16.5.0 |
| 2024-06 | RAN#104 | R5-242350 | 0357 | - | F | Improvement of clause 5.4                                                                       | 16.5.0 |
| 2024-06 | RAN#104 | R5-242398 | 0358 | - | F | Correction of URI scheme in HTTP POST                                                           | 16.5.0 |
| 2024-06 | RAN#104 | R5-242400 | 0359 | - | F | Corrections of clause 5.5.9.1                                                                   | 16.5.0 |
| 2024-06 | RAN#104 | R5-243273 | 0360 | - | F | Correction to clause 5.5.3.4.2                                                                  | 16.5.0 |
| 2024-09 | RAN#105 | R5-244417 | 0361 | - | F | Updates to default message and other information elements content                               | 16.6.0 |
| 2024-09 | RAN#105 | R5-244440 | 0362 | - | F | Correction of generic procedures 5.4.3 and 5.4.4                                                | 16.6.0 |
| 2024-09 | RAN#105 | R5-244539 | 0363 | - | F | Clarifications for conditions in several default message contents                               | 16.6.0 |
| 2024-09 | RAN#105 | R5-244953 | 0364 | - | F | Addition of New Generic Test Case 5.3C.14 Message Store Function Upload                         | 16.6.0 |
| 2024-09 | RAN#105 | R5-244954 | 0365 | - | F | Addition of New Generic Test Case 5.3C.15 Message Store Function Delete                         | 16.6.0 |
| 2024-09 | RAN#105 | R5-244955 | 0366 | - | F | Addition of New Generic Test Case 5.3C.16 Message Store Function Retrieve                       | 16.6.0 |
| 2024-09 | RAN#105 | R5-244956 | 0367 | - | F | Addition of New Generic Test Case 5.3C.17 Message Store Function Post Request                   | 16.6.0 |
| 2024-09 | RAN#105 | R5-244957 | 0368 | - | F | Addition of New Generic Test Case 5.3C.18 Message Store Function Put Request                    | 16.6.0 |
| 2024-09 | RAN#105 | R5-244958 | 0369 | - | F | Addition of New Generic Test Case 5.3C.19 Message Store Function Post Notification              | 16.6.0 |
| 2024-09 | RAN#105 | R5-244960 | 0371 | - | F | Addition of One-to-One-Communication for MCDData User Profile                                   | 16.6.0 |
| 2024-09 | RAN#105 | R5-244961 | 0372 | - | F | Addition of clause 5.5.15 Default MCDData call control messages and other information elements  | 16.6.0 |
| 2024-09 | RAN#105 | R5-245670 | 0374 | 1 | F | Correction to Resource-lists from the UE for initial configuration                              | 16.6.0 |
| 2024-09 | RAN#105 | R5-245671 | 0370 | 1 | F | Addition of HTTP 204 for Clause 5.5.4                                                           | 16.6.0 |
| 2024-09 | RAN#105 | R5-245753 | 0373 | 1 | F | Correction to HTTP messages                                                                     | 16.6.0 |
| 2024-12 | RAN#106 | R5-246416 | 0378 | - | F | Removal of clause 5.6                                                                           | 16.7.0 |
| 2024-12 | RAN#106 | R5-246417 | 0379 | - | F | Support of MCDData IPCONN in SIP default message contents                                       | 16.7.0 |
| 2024-12 | RAN#106 | R5-246423 | 0380 | - | F | Cancellation of non-backward compatible changes in core specifications                          | 16.7.0 |
| 2024-12 | RAN#106 | R5-246642 | 0381 | - | F | Correction of clause 5.5.4.10.3                                                                 | 16.7.0 |

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| 2024-12 | RAN#106 | R5-246643 | 0382 | - | F | Correction and clarification of UserUri in clauses 5.5.4.10.6, 5.5.4.10.8 and 5.5.4.10.9                             | 16.7.0 |
| 2024-12 | RAN#106 | R5-246644 | 0383 | - | F | Correction of clause 5.5.8.11                                                                                        | 16.7.0 |
| 2024-12 | RAN#106 | R5-246645 | 0384 | - | F | Clarifications regarding non-backward compatible changes in MCVideotransmission control messages                     | 16.7.0 |
| 2025-03 | RAN#107 | R5-251428 | 0385 | 1 | F | Removal of technical content in TS 36.579-1 v16.7.0 and substitution with pointer to TS 37.579-1 on the next Release | 16.8.0 |

History

| Document history |               |             |
|------------------|---------------|-------------|
| V16.0.0          | April 2023    | Publication |
| V16.1.0          | July 2023     | Publication |
| V16.2.0          | October 2023  | Publication |
| V16.3.0          | January 2024  | Publication |
| V16.4.0          | May 2024      | Publication |
| V16.5.0          | August 2024   | Publication |
| V16.6.0          | October 2024  | Publication |
| V16.7.0          | February 2025 | Publication |
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