ETSI TS 138 523-2 V17.4.0 (2023-10)

TECHNICAL SPECIFICATION

**LTE;
5G;
5GS;
User Equipment (UE) conformance specification;
Part 2: Applicability of protocol test cases
(3GPP TS 38.523-2 version 17.4.0 Release 17)**

Reference

RTS/TSGR-0538523-2vh40

Keywords

5G,LTE

ETSI

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Sous-Préfecture de Grasse (06) N° w061004871

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Contents

Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

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where:

x the first digit:

1 presented to TSG for information;

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y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

z the third digit is incremented when editorial only changes have been incorporated in the document.

The present document is part 2 of a multi-part deliverable covering the 5G System (5GS) User Equipment (UE) protocol conformance specification, as identified below:

- 3GPP TS 38.523-1 [2]: "5GS; User Equipment (UE) conformance specification; Part 1: Protocol".

- **3GPP TS 38.523-2: "5GS; User Equipment (UE) conformance specification; Part 2: Applicability of protocol test cases" (the present document).**

- 3GPP TS 38.523-3 [3]: "5GS; User Equipment (UE) conformance specification; Part 3: Protocol Test Suites".

1 Scope

The present document provides the applicability of protocol test cases proforma for 5G New Radio (NR) User Equipment (UE), in compliance with the relevant requirements.

The present document specifies the recommended applicability statement for the test cases included in 3GPP TS 38.523-1 [2] and 3GPP TS 38.523-3 [3]. These applicability statements are based on the features implemented in the UE.

Special conformance testing functions can be found in 3GPP TS 38.509 [5] and 3GPP TS 36.509 [7] and the common test environments are included in 3GPP TS 38.508-1 [4] and 3GPP TS 36.508 [6].

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.

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

[2]   3GPP TS 38.523-1: "5GS; User Equipment (UE) conformance specification; Part 1: Protocol".

[3]   3GPP TS 38.523-3: "5GS; User Equipment (UE) conformance specification; Part 3: Protocol Test Suites".

[4]   3GPP TS 38.508-1: "5GS; User Equipment (UE) conformance specification; Part 1: Common test environment".

[5]   3GPP TS 38.508-2: "5GS; User Equipment (UE) conformance specification; Part 2: Common Implementation Conformance Statement (ICS) proforma".

[6]   3GPP TS 38.509: "5GS; Special conformance testing functions for User Equipment (UE)".

[7]   3GPP TS 36.508: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRAN); Common Test Environments for User Equipment (UE) Conformance Testing".

[8]   3GPP TS 36.509: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Special conformance testing functions for User Equipment (UE)".

[9]   3GPP TS 34.229-2: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP);User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification".

[10]   3GPP TS 36.523-2: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRAN); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".

[11]   3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".

3   Definitions, symbols and abbreviations

3.1   Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [5] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [5].

Implementation Conformance Statement (ICS): statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented

ICS proforma: document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS

Implementation extra Information for Testing (IXIT): A statement made by a supplier or implementer of an UEUT which contains or references all of the information (in addition to that given in the ICS) related to the UEUT and its testing environment, which will enable the test laboratory to run an appropriate test suite against the UEUT

IXIT proforma: A document, in the form of a questionnaire, which when completed for an UEUT becomes an IXIT

Protocol Implementation Conformance Statement (PICS): An ICS for an implementation or system claimed to conform to a given protocol specification

Protocol Implementation extra Information for Testing (PIXIT): An IXIT related to testing for conformance to a given protocol specification

Static conformance review: A review of the extent to which the static conformance requirements are claimed to be supported by the UEUT, by comparing the answers in the ICS(s) with the static conformance requirements expressed in the relevant specification(s)

3.2   Symbols

For the purposes of the present document, the following symbols apply:

    <symbol>   <Explanation>

3.3   Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

For the purposes of the present document, the following abbreviations apply:

FFS	For Further Study
ICS	Implementation Conformance Statement
IXIT	Implementation extra Information for Testing
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation extra Information for Testing
SCS	System Conformance Statement
TC	Test Case
UEUT	User Equipment Under Test

4 Recommended Test Case Applicability

4.0 Introduction

The applicability of each individual test is identified in subclause 4.1. This is just a recommendation based on the purpose for which the test case was written.

The applicability of every test is formally expressed by the use of Boolean expressions that are based on parameters (ICS). The parameters (ICS) included in TS 38.508-2 [5] are used in the test case applicability condition without reference. Parameters (ICS) specified in 3GPP TS 36.523-2 [10] and 3GPP TS 34.229-2 [9] shall be referred with proper reference. The parameters (ICS) shall be set according to the capabilities of the UE on the operating band / band combination under test.

Additional information related to the Test Case (TC), e.g. affecting its dynamic behaviour or its execution may be provided as well

The columns in subclause 4.1 have the following meaning:

Clause

The clause column indicates the clause number in TS 38.523-1 [2] that contains the test body.

Title

The title column describes the name of the test and contains the clause title of the clause in TS 38.523-1 [2] that contains the test body.

Release

The release column indicates the earliest release from which the test case is applicable. In some specific cases it may indicate the release(s) for which the TC is **only** applicable.

Note: Some exceptions to this interpretation may be indicated in Notes in column 'Number of TC Executions'.

Applicability - Condition

The following notations are used for the applicability column:

R	recommended - the test case is recommended
O	optional – the test case is optional
N/A	not applicable - in the given context, the test case is not recommended.
Ci	conditional - the test is recommended ("R") or not ("N/A") depending on the support of other items. "i" is an integer identifying a unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax "IF ... THEN (IF ... THEN ... ELSE...) ELSE ..." is used to avoid ambiguities.

NOTE: The conditions are defined in subclause 4.2.

Applicability - Comments

This column contains a verbal description of the condition.

Additional Information - Specific ICS

This column contains the mnemonics of ICS(s) affecting the dynamic behaviour of the TC.

Additional Information - Specific IXIT

This column contains the mnemonics of IXIT(s) affecting the dynamic behaviour of the TC.

Additional Information - Number of TC Executions

This column contains, wherever applicable, the recommended for certification purposes number of TC executions. It may contain also other information e.g. exceptions to the release applicable to the test. Clarifying notes are listed at the end of the same Table.

Additional Information - Release other RAT

In regard to a particular test case, this column provides information on the release which is used by the simulated network in the other (i.e. non 5GS) RAT(s) where applicable. For each applicable RAT the release shall be indicated in the format 'Rel-X RAT'. When multiple RATs are applicable the entries per RAT shall be separated by a comma. When a value for a 3GPP RAT is not provided but the RAT is in the scope of the test case then for this RAT the release indicated in the Release column applies (per default).

Note: Currently for RedCap UEs that set the PICS complying with TS 38.508-2 [5] clause A.4.3.12, Rel-15 test cases and Rel-17 RedCap specific test cases are applicable. Applicability of other Rel-16 and Rel-17 test cases are under further study.

4.1   Protocol conformance test cases applicability

Table 4.1-1a: Applicability of Protocol conformance Idle mode test cases, ref. TS 38.523-1 [2]

Clause	TC Title	Release	Applicability Condition	Applicability Comment
6	**Idle mode operations**			
6.1	**NR idle mode operations**			
6.1.1	**NG-RAN Only PLMN Selection**			
6.1.1.1	PLMN selection of RPLMN, HPLMN/EHPLMN, UPLMN and OPLMN / Automatic mode	Rel-15	C21	UEs supporting 5G Core
6.1.1.2	PLMN selection of "Other PLMN/access technology combinations" / Automatic mode	Rel-15	C21	UEs supporting 5G Core
6.1.1.3	Cell reselection of ePLMN in manual mode	Rel-15	C21	UEs supporting 5G Core
6.1.1.4	PLMN selection in shared network environment / Automatic mode	Rel-15	C21	UEs supporting 5G Core
6.1.1.4a	PLMN selection in shared network environment / Automatic mode / Cells broadcasting multiple PLMN IDs with unique TAC's, RAN areas, and cell identities	Rel-15	C21	UEs supporting 5G Core
6.1.1.5	PLMN selection of RPLMN, HPLMN/EHPLMN, UPLMN and OPLMN / Automatic mode / User reselection	Rel-15	C36	UEs supporting 5G Core and user initiated PLMN reselection in automatic mode on NR
6.1.1.6	PLMN selection / Periodic reselection / MinimumPeriodicSearchTimer	Rel-15	C34	UEs supporting 5G Core and MinimumPeriodicSearchTimer
6.1.1.7	PLMN selection of RPLMN or (E)HPLMN; Automatic mode	Rel-15	C21	UEs supporting 5G Core
6.1.1.8	PLMN selection of RPLMN or (E)HPLMN; Manual mode	Rel-15	C91	UEs supporting 5G Core and ManualModeNetworkSelectionException
6.1.2	**NG-RAN Only Cell Selection**			
6.1.2.1	Cell selection / Qrxlevmin & Cell reselection (Intra NR)	Rel-15	C21	UEs supporting 5G Core
6.1.2.2	Cell selection / Qqualmin / Intra NR / Serving cell becomes non-suitable (Srxlev > 0, Squal < 0)	Rel-15	C21	UEs supporting 5G Core
6.1.2.3	Cell selection / Intra NR / Serving cell becomes non-suitable (S<0, MIB Indicated barred)	Rel-15	C21	UEs supporting 5G Core
6.1.2.3a	Intra frequency reselection not allowed	Rel-15	C21	UEs supporting 5G Core
6.1.2.4	Cell reselection for interband operation	Rel-15	C37	UEs supporting 5G Core and more than 1 FDD or TDD NR band
6.1.2.5	Cell reselection for interband operation using Pcompensation / Between FDD and TDD	Rel-15	C38	UEs supporting 5G Core and NR FDD and NR TDD
6.1.2.7	Cell reselection / Equivalent PLMN	Rel-15	C21	UEs supporting 5G Core
6.1.2.8	Cell reselection / Equivalent PLMN / Single Frequency operation	Rel-15	C21	UEs supporting 5G Core

Clause	TC Title	Release	Applicability Condition	Applicability Comment
6.1.2.9	Cell reselection using Qhyst, Qoffset and Treselection	Rel-15	C21	UEs supporting 5G Core
6.1.2.11	Area Specific SIBs using systemInformationAreaID	Rel-15	C21	UEs supporting 5G Core
6.1.2.12	Cell reselection using cell status and cell reservations / cellReservedForOtherUse	Rel-15	C21	UEs supporting 5G Core
6.1.2.13	Cell reselection using cell status and cell reservations / Access Identity 0, 1, 2 and 12 to 14 - cellReservedForOperatorUse	Rel-15	C21	UEs supporting 5G Core
6.1.2.14	Cell reselection using cell status and cell reservations / Access Identity 11 or 15 - cellReservedForOperatorUse	Rel-15	C21	UEs supporting 5G Core
6.1.2.15	Cell reselection in shared network environment	Rel-15	C21	UEs supporting 5G Core
6.1.2.15a	Cell reselection in shared network environment / Cells broadcasting multiple PLMN IDs with unique TAC's, RAN areas, and cell identities	Rel-15	C21	UEs supporting 5G Core
6.1.2.16	Inter-frequency cell reselection (equal priority)	Rel-15	C21	UEs supporting 5G Core
6.1.2.17	Cell reselection / Cell-specific reselection parameters provided by the network in a neighbouring cell list	Rel-15	C21	UEs supporting 5G Core
6.1.2.18	Cell reselection, Sintrasearch, Snonintrasearch	Rel-15	C21	UEs supporting 5G Core
6.1.2.19	Speed dependent cell reselection	Rel-15	C21	UEs supporting 5G Core
6.1.2.20	Inter-frequency cell reselection according to cell reselection priority provided by SIBs	Rel-15	C21	UEs supporting 5G Core
6.1.2.21	Cell reselection, SIntraSearchQ and SnonIntraSearchQ	Rel-15	C21	UEs supporting 5G Core
6.1.2.22	Inter-frequency cell reselection based on common priority information with parameters ThreshX, HighQ, ThreshX, LowQ and ThreshServing, LowQ	Rel-15	C21	UEs supporting 5G Core
6.1.2.23	Cell reselection / MFBI	Rel-15	C21	UEs supporting 5G Core
6.1.2.24	Slice-based cell reselection / Re-seletion priorities provided by SIB16	Rel-17	C240	UEs supporting 5G Core and slice based cell reselection
6.1.2.25	Slice-based cell reselection / Re-derive reselection priority for frequency	Rel-17	C240	UEs supporting 5G Core and slice based cell reselection
6.1.2.26	Cell Selection / RedCap	Rel-17	C212	UEs supporting 5G Core and RedCap
6.1.2.27	Cell reselection / inter-frequency / RedCap	Rel-17	C212	UEs supporting 5G Core and RedCap
6.2	**Multi-mode environment**			
6.2.1	**Inter-RAT PLMN selection**			
6.2.1.1	Inter-RAT PLMN Selection / Selection of correct RAT for OPLMN / Automatic mode	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.1.2	Inter-RAT PLMN Selection / Selection of correct RAT for UPLMN / Automatic mode	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.1.3	Inter-RAT PLMN Selection / Selection of correct PLMN and RAT in shared network environment / Automatic mode	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.1.4	Inter-RAT PLMN Selection / Selection of correct RAT from the OPLMN list / Manual mode	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.1.5	Inter-RAT Background HPLMN Search / Search for correct RAT for HPLMN / Automatic mode	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.2	**Inter-RAT Cell Selection**			
6.2.2.1	Inter-RAT cell selection / From NR RRC_IDLE to EUTRA_Idle / Serving cell becomes non-suitable	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.2.2	Inter-RAT cell selection / From E-UTRA_Idle to NR RRC_IDLE / Serving cell becomes non-suitable	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3	**Inter-RAT Cell Reselection**			
6.2.3.1	Inter-RAT cell reselection / From E-UTRA_IDLE to NR RRC_IDLE (lower priority & higher priority, Srxlev based)	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3.2	Inter-RAT cell reselection / From E-UTRA_IDLE to NR RRC_IDLE (lower priority & higher priority, Squal based)	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3.3	Inter-RAT cell reselection / From NR RRC_IDLE to E-UTRA_IDLE (lower priority & higher priority, Srxlev based)	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3.4	Inter-RAT cell reselection / From NR RRC_IDLE to E-UTRA_IDLE (lower priority & higher priority, Squal based)	Rel-15	C32	UEs supporting 5G Core and E-UTRA

Clause	TC Title	Release	Applicability Condition	Applicability Comment
6.2.3.5	Inter-RAT cell reselection / From NR RRC_IDLE to E-UTRA_IDLE according to RAT priority provided by dedicated signalling (RRCRelease)	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3.6	Inter-RAT cell reselection / From E-UTRA_IDLE to NR RRC_IDLE according to RAT priority provided by dedicated signalling (RRCConnRelease)	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3.7	Inter-RAT cell reselection / From NR RRC_IDLE to E-UTRA RRC_IDLE, Snonintrasearch	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3.8	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to NR RRC_Idle, Snonintrasearch	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3.9	Void			
6.2.3.10	Inter-RAT cell reselection / From E-UTRA_IDLE to NR RRC_IDLE / schedulingInfoList-v12j0	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.2.3.11	Inter-RAT cell reselection / From E-UTRA_IDLE to NR RRC_IDLE / schedulingInfoListExt-r12	Rel-15	C32	UEs supporting 5G Core and E-UTRA
6.3	**5GS Steering of Roaming**			
6.3.1	**Steering of Roaming**			
6.3.1.1	Steering of UE in roaming during registration/security check successful using List Type 1	Rel-15	C21	UEs supporting 5G Core
6.3.1.2	Steering of UE in roaming during registration/security check successful but SOR Transparent container indicates ACK has been NOT been requested	Rel-15	C21	UEs supporting 5G Core
6.3.1.3	Steering of UE in roaming during registration/security check unsuccessful/Automatic mode	Rel-15	C21	UEs supporting 5G Core
6.3.1.4	Steering of UE in roaming during registration/security check unsuccessful/Manual mode	Rel-15	C21	UEs supporting 5G Core
6.3.1.5	Steering of UE in roaming during registration/UE configured to receive Steering of Roaming information but does not receive Steering of Roaming from Network	Rel-15	C21	UEs supporting 5G Core
6.3.1.7	Steering of UE in roaming during registration/security check unsuccessful but emergency service pending to be activated	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
6.3.1.8	Steering of UE in roaming after registration/Automatic PLMN selection mode	Rel-15	C21	UEs supporting 5G Core
6.3.1.9	Steering of UE in roaming after registration/Manual PLMN selection mode	Rel-15	C21	UEs supporting 5G Core
6.3.1.10	Steering of UE in roaming during mobility update registration	Rel-15	C21	UEs supporting 5G Core
6.3.2	**Steering of Roaming with using SOR-CMCI**			
6.3.2.1	Steering of UE in roaming after registration / SOR-CMCI rule / DNN of the PDU session / DL NAS transport	Rel-17	C21	UEs supporting 5G Core
6.3.2.2	Steering of UE in roaming after registration / SOR-CMCI rule / MMTEL voice call / DL NAS transport	Rel-17	C234	NR and IMS voice over NR and MTSI Speech and preconditions and NG.114 v1.0
6.3.2.3	Steering of UE in roaming after registration / SOR-CMCI rule / match all / DL NAS transport	Rel-17	C21	UEs supporting 5G Core
6.3.2.4	Steering of UE in roaming after registration / SOR-CMCI rule / DNN of the PDU session / update Tsor-cm Timer / DL NAS transport	Rel-17	C21	UEs supporting 5G Core
6.3.2.5	Steering of UE in roaming after registration / SOR-CMCI rule / DNN of the PDU session / store SOR-CMCI in ME / DL NAS transport	Rel-17	C21	UEs supporting 5G Core
6.3.2.6	Steering of UE in roaming after registration / SOR-CMCI rule / match all / Emergency call / DL NAS transport	Rel-17	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
6.4	**UE Procedures in RRC_INACTIVE state**			
6.4.1	**NG-RAN Only PLMN Selection in RRC_INACTIVE state**			
6.4.1.1	PLMN Selection / Higher priority/HPLMN in Automatic PLMN Selection mode	Rel-15	C109	UEs supporting 5G Core and RRC_INACTIVE
6.4.1.2	Cell reselection of ePLMN in manual mode	Rel-15	C109	UEs supporting 5G Core and RRC_INACTIVE

Clause	TC Title	Release	Applicability Condition	Applicability Comment
6.4.2	**Cell Selection / Qrxlevmin & Cell Reselection (Intra NR in RRC_INACTIVE state**			
6.4.2.1	Cell Selection / Qrxlevmin & Cell Reselection (Intra NR in RRC_INACTIVE state)	Rel-15	C109	UEs supporting 5G Core and RRC_INACTIVE
6.4.2.2	Inter-frequency cell reselection according to cell reselection priority provided by SIBs in RRC_INACTIVE state	Rel-15	C109	UEs supporting 5G Core and RRC_INACTIVE
6.4.2.3	Slice-based cell reselection in RRC_INACTIVE state / Re-selection priorities provided by SIB16	Rel-17	C241	UEs supporting 5G Core and RRC_INACTIVE and slice based cell reselection
6.4.3	**Inter-RAT Cell Reselection**			
6.4.3.1	Inter-RAT cell reselection From NR RRC_INACTIVE to E-UTRA RRC_IDLE (lower priority & higher priority, Srxlev based)	Rel-15	C110	UEs supporting 5G Core and E-UTRA and RRC_INACTIVE
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6.5.1	**SNPN Only Selection**			
6.5.1.1	SNPN Selection in Manual Mode	Rel-16	C131	UEs supporting 5G Core and SNPN
6.5.1.2	SNPN Selection in Automatic Mode	Rel-16	C131	UEs supporting 5G Core and SNPN
6.5.1.3	SNPN / User Reselection in Automatic Mode	Rel-16	C167	UEs supporting 5G Core and SNPN and user initiated SNPN reselection in automatic mode on NR
6.5.2	**CAG (Closed Acccess Group)**			
6.5.2.1	CAG Selection in Manual Mode	Rel-16	C132	UEs supporting 5G Core and CAG
6.5.2.2	CAG Selection in Automatic Mode	Rel-16	C132	UEs supporting 5G Core and CAG
6.5.2.3	CAG / Limited Service / No Suitable cell	Rel-16	C132	UEs supporting 5G Core and CAG
6.5.2.4	CAG / cell reselection / Within allowed CAG/ non-CAG cell to CAG cell	Rel-16	C168	UEs supporting 5G Core and CAG and Autonomous search function on NR
6.5.2.5	Void			
6.5.2.6	CAG / Cell Reservation	Rel-16	C132	UEs supporting 5G Core and CAG
6.5.3	**SNPN Selection**			
6.5.3.1	SNPN Selection in Manual Mode / Using credentials from a credentials holder	Rel-17	C304	UEs supporting 5G Core and access using credentials assigned by a Credentials Holder separate from the SNPN
6.5.3.2	SNPN Selection in Manual Mode / Onboarding services in SNPN	Rel-17	C305	UEs supporting 5G Core and onboarding services in SNPN
6.5.3.3	SNPN Selection in Manual Mode / Switch to Automatic Mode	Rel-17	C306	UEs supporting 5G Core and emergency services in SNPN
6.5.3.4	SNPN Selection in Automatic Mode / Onboarding services in SNPN	Rel-17	C305	UEs supporting 5G Core and onboarding services in SNPN
6.5.3.5	SNPN Selection in Automatic Mode / Using credentials from a credentials holder	Rel-17	C304	UEs supporting 5G Core and accessing SNPN using credentials assigned by a Credentials Holder separate from the SNPN
6.5.3.6	SNPN / Limited service / No valid subscriber data	Rel-17	C305	UEs supporting 5G Core and Onboarding SNPN (hence supports Default UE Credentials)
6.5.3.7	SNPN / User Reselection in Automatic Mode / Using credentials from a credentials holder	Rel-17	C307	UEs supporting 5G Core and accessing SNPN using credentials from a Credentials Holder and user initiated SNPN reselection in automatic mode on NR
6.5.3.8	SNPN / cell reselection for IMS emergency services	Rel-17	C306	UEs supporting 5G Core and emergency services in NR connected to 5GCN in SNPN Access mode
6.5.3.9	SNPN / cell reselection / SNPN to PLMN	Rel-17	C308	UEs supporting 5G Core and PLMN access in SNPN Access mode and emergency services in NR connected to 5GCN in SNPN Access mode And IMS voice over NR
6.6	**NR Shared Spectrum idle mode operations**			
6.6.1	**NR Shared Spectrum cell selection**			
6.6.1.1	Cell selection / next strongest cell / Intra frequency reselection not allowed	Rel-16	C217	UEs supporting 5G Core and NR standalone shared spectrum channel access
6.6.1.2	Cell selection / next strongest cell / Intra frequency reselection not allowed / RRC Inactive	Rel-16	C247	UEs supporting 5G Core and NR standalone shared spectrum channel access and RRC_INACTIVE
6.6.2	**NR Shared Spectrum cell reselection**			
6.6.2.1	Cell reselection / next best cell / intra frequency	Rel-16	C217	UEs supporting 5G Core and NR standalone shared spectrum channel access
6.6.2.2	Cell reselection / next best cell not suitable / inter frequency	Rel-16	C217	UEs supporting 5G Core and NR standalone shared spectrum channel access
6.6.2.3	Cell reselection / next best cell / intra frequency / RRC Inactive	Rel-16	C247	UEs supporting 5G Core and NR standalone shared spectrum channel access and RRC_INACTIVE
6.6.2.4	Cell reselection / next best cell not suitable / inter frequency / RRC Inactive	Rel-16	C247	UEs supporting 5G Core and NR standalone shared spectrum channel access and RRC_INACTIVE

Clause	TC Title	Release	Applicability Condition	Applicability Comment
6.7	**NTN Idle mode operations**			
6.7.1	NTN cell Seleciton			
6.7.1.1	Cell Selection / GNSS location / NTN	Rel-17	C309	UEs supporting 5G Core and NR NTN access
6.7.1.2	Cell Selection / MultiTAC / NTN / trackingAreaList-r17	Rel-17	C309	UEs supporting 5G Core and NR NTN access

Table 4.1-1b: Additional Information of Applicability of Protocol conformance Idle mode test cases, ref. TS 38.523-1 [2]

Clause	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
6				
6.1				
6.1.1.4a			If test case 6.1.1.4 has been executed, then test case 6.1.1.4a need not to be executed (Note 1)	
6.1.2.8			If test case 6.1.2.7 has been executed then test case 6.1.2.8 needs not to be executed	
6.1.2.15a			If test case 6.1.2.15 has been executed, then test case 6.1.2.15a need not to be executed (Note 1)	
6.1.2.23		px_NR_OverlappingNotSupportedBand_MFBI		
6.2				
6.2.1				
6.2.1.1				Rel-15 E-UTRA
6.2.1.2				Rel-15 E-UTRA
6.2.1.3				Rel-15 E-UTRA
6.2.1.4	[10] pc_Available_PLMNs_AcT_Ind			Rel-15 E-UTRA
6.2.1.5				Rel-15 E-UTRA
6.2.2				
6.2.3				
6.2.3.1				Rel-15 E-UTRA
6.2.3.2				Rel-15 E-UTRA
6.2.3.3				Rel-15 E-UTRA
6.2.3.4				Rel-15 E-UTRA
6.2.3.5				Rel-15 E-UTRA
6.2.3.6				Rel-15 E-UTRA
6.2.3.7				Rel-15 E-UTRA
6.2.3.8				Rel-15 E-UTRA
6.3				
6.3.1				
6.3.1.2	pc_SOR_ACKNotReqLocalRel			
6.4				
6.4.1				
6.4.2				
6.4.3				
6.4.3.1				Rel-15 E-UTRA
Note 1:	The two TCs verify the same core spec requirement(s) however in a different cell configuration to address different network deployments i.e., Cells broadcasting multiple PLMN IDs with unique TAC's, RAN areas, and cell identities			

Table 4.1-2a: Applicability of Protocol conformance Layer 2 test cases, ref. TS 38.523-1 [2]

Clause	TC Title	Release	Applicability Condition	Applicability Comment
7	**Layer 2**			
7.1	**NR Layer 2**			
7.1.1	**MAC**			
7.1.1.1	**Random Access Procedures**			
7.1.1.1.1	Correct selection of RACH parameters / Random access preamble and PRACH resource explicitly signalled to the UE by RRC / contention free random access procedure	Rel-15	R	UEs supporting 5GS

Clause	TC Title	Release	Applicability Condition	Applicability Comment
7.1.1.1.1a	Correct selection of RACH parameters / Random access preamble and PRACH resource explicitly signalled to the UE by PDCCH Order / contention free random access procedure	Rel-15	R	UEs supporting 5GS
7.1.1.1.2	Random access procedure / Successful / C-RNTI Based / Preamble selected by MAC itself	Rel-15	R	UEs supporting 5GS
7.1.1.1.3	Random access procedure / Successful / SI request	Rel-15	C21	UEs supporting 5G Core
7.1.1.1.4	Random access procedure / Successful / Beam Failure / Preamble selected by MAC itself / non-Contention Free RACH procedure	Rel-15	R	UEs supporting 5GS
7.1.1.1.5	Random access procedure / Successful / Supplementary Uplink	Rel-15	C28	UEs supporting 5GS and supplemental uplink with dynamic switch
7.1.1.1.6	Random access procedure / Successful / Temporary C-RNTI Based / Preamble selected by MAC itself	Rel-15	R	UEs supporting 5GS
7.1.1.1.7	Random access procedure / 2-step RACH / RA_TYPE selection	Rel-16	C135	UEs supporting 2-Step RACH
7.1.1.1.8	Correct selection of RACH parameters / 2-step RACH/MSGA and PRACH resource explicitly signalled to the UE by RRC / contention free random access procedure	Rel-16	C135	UEs supporting 2-Step RACH
7.1.1.1.9	Random access procedure / Successful / 2-step RACH/C-RNTI Based / Preamble selected by MAC itself	Rel-16	C135	UEs supporting 2-Step RACH
7.1.1.1.9a	Random access procedure / 2-step RACH / Successful / RRC_IDLE	Rel-16	C135	UEs supporting 2-Step RACH
7.1.1.1.10	Random access procedure / 2-step RACH/not complete/ RA_TYPE to 4-stepRA	Rel-16	C135	UEs supporting 2-Step RACH
7.1.1.1.10a	Random access procedure / 2-step RACH/ Fallback for CBRA	Rel-16	C135	UEs supporting 2-Step RACH
7.1.1.1.11	Random access procedure / Successful / Slice specific RACH configuration	Rel-17	C262	UEs supporting slice-based RACH partitioning and slice-based RACH prioritisation
7.1.1.1.12	Random access procedure / Successful / ra-PrioritizationForSlicing	Rel-17	C263	UEs supporting slice-based RACH partitioning, slice-based RACH prioritisation and RACH prioritisation for Access Identity 1
7.1.1.1.13	Random access procedure / Successful / Slice specific RACH configuration / 2-step RACH	Rel-17	C264	UEs supporting 2-Step RACH, slice-based RACH partitioning and slice-based RACH prioritisation
7.1.1.1.14	Random access procedure / Successful / ra-PrioritizationForSlicingTwoStep / 2-step RACH	Rel-17	C265	UEs supporting 2-Step RACH, slice-based RACH partitioning, slice-based RACH prioritisation and RACH prioritisation for Access Identity 1
7.1.1.1.15	Random access procedure / RedCap UE / SI request	Rel-17	C212	UEs supporting 5G Core and RedCap
7.1.1.1.16	Random access procedure / RedCap UE identification / Msg3-based / CCCH1	Rel-17	C212a	UEs supporting 5G Core and RedCap and RRC_INACTIVE
7.1.1.1.17	Random access procedure / RedCap UE identification	Rel-17	C212	UEs supporting 5G Core and RedCap
7.1.1.1.18	Random access procedure / Msg3 repetition indication / Random access resources selection	Rel-17	C211	UEs supporting repetition of Message 3 PUSCH
7.1.1.2	**Downlink Data Transfer**			
7.1.1.2.1	Correct Handling of DL MAC PDU / Assignment / HARQ process	Rel-15	R	UEs supporting 5GS
7.1.1.2.2	Correct Handling of DL HARQ process PDSCH Aggregation	Rel-15	C20	UEs supporting 5GS and PDSCH aggregation
7.1.1.2.3	Correct HARQ process handling / CCCH	Rel-15	R	UEs supporting 5GS
7.1.1.2.4	Correct HARQ process handling / BCCH	Rel-15	R	UEs supporting 5GS
7.1.1.2.5	Correct HARQ process handling / DL grant prioritization	Rel-16	C179	UEs supporting DCI DL Priority Indicator
7.1.1.2.6	Correct HARQ process handling / dynamic PUCCH repetition indication	Rel-17	C287	UEs supporting dynamic indication of PUCCH repetition
7.1.1.3	**Uplink Data Transfer**			
7.1.1.3.1	Correct Handling of UL MAC PDU / Assignment / HARQ process	Rel-15	R	UEs supporting 5GS
7.1.1.3.2	Logical channel prioritization handling	Rel-15	C02	UEs supporting 5GS and RLC UM Mode
7.1.1.3.2b	Logical channel prioritization handling with Mapping restrictions	Rel-15	C175	UEs supporting 5GS and selection of logical channels for each UL grant based on RRC configured restriction
7.1.1.3.3	Correct handling of MAC control information / Scheduling requests	Rel-15	C53	UEs supporting 5GS and Logical Channel SR-Delay Timer

Clause	TC Title	Release	Applicability Condition	Applicability Comment
7.1.1.3.4	Correct handling of MAC control information / Buffer status / UL data arrive in the UE Tx buffer / Regular BSR	Rel-15	R	UEs supporting 5GS
7.1.1.3.5	Correct handling of MAC control information / Buffer Status / UL resources are allocated / Padding BSR	Rel-15	R	UEs supporting 5GS
7.1.1.3.6	Correct handling of MAC control information / Buffer status / Periodic BSR timer expires	Rel-15	R	UEs supporting 5GS
7.1.1.3.7	UE power headroom reporting / Periodic reporting / DL pathloss change reporting	Rel-15	R	UEs supporting 5GS
7.1.1.3.8	**UE power headroom reporting / SCell activation / DL pathloss change reporting**			
7.1.1.3.8.1	UE power headroom reporting / SCell activation / DL pathloss change reporting / Intra-band Contiguous CA	Rel-15	C81	UEs supporting 5GCore and intra-band contiguous CA and UL NR CA with 2 carriers
			C81A	UEs supporting EN-DC and intra-band contiguous CA and EN-DC with 2 NR UL carriers
7.1.1.3.8.2	UE power headroom reporting / SCell activation / DL pathloss change reporting / Inter-band CA	Rel-15	C82	UEs supporting 5GCore and inter-band CA and UL NR CA with 2 carriers
			C82A	UEs supporting EN-DC and inter-band CA and EN-DC with 2 NR UL carriers
7.1.1.3.8.3	UE power headroom reporting / SCell activation / DL pathloss change reporting / Intra-band non Contiguous CA	Rel-15	C83	UEs supporting 5GCore and intra-band non-contiguous CA and UL NR CA with 2 carriers
			C83A	UEs supporting EN-DC and intra-band non-contiguous CA and EN-DC with 2 NR UL carriers
7.1.1.3.9	Correct Handling of UL HARQ process / PUSCH Repetition Type A / PUSCH Aggregation	Rel-15	C51	UEs supporting 5GS and PUSCH aggregation
7.1.1.3.10	Correct Handling of HARQ process / Multiple CORESETPoolIndex	Rel-16	C107	UEs supporting 5GS and multi-DCI based Multi-TRP
7.1.1.3.11	Correct handling of UL grant prioritization	Rel-16	C114	UEs supporting 5GS and LCH-based UL grant prioritization
7.1.1.3.12	Correct Handling of UL HARQ process / PUSCH Repetition Type B	Rel-16	C134	UEs supporting PUSCH repetition type B
7.1.1.3.13	Logical channel prioritization handling with Mapping restrictions / physical layer priority	Rel-16	C180	UEs supporting DCI UL Priority Indicator and LCH grant prioritisation
7.1.1.3.14	**Correct Handling of UL HARQ process / PUSCH Repetition Type A enhancement**			
7.1.1.3.14.1	Correct Handling of UL HARQ process / PUSCH Repetition Type A enhancement / Increased maximum repetition number / dynamic grant	Rel-17	C288	UEs supporting increased maximum number of PUSCH Type A repetitions and dynamic indication of the number of repetitions for PUSCH
7.1.1.3.14.2	Correct Handling of UL HARQ process / PUSCH Repetition Type A enhancement / Increased maximum repetition number / configured grant	Rel-17	C289	UEs supporting increased maximum number of PUSCH Type A repetitions and PUSCH transmissions with configured grant
7.1.1.3.14.3	Correct Handling of UL HARQ process / PUSCH Repetition Type A enhancement / repetition based on available slots / dynamic grant	Rel-17	C290	UEs supporting PUSCH repetitions based on available slots and dynamic indication of the number of repetitions for PUSCH
7.1.1.3.14.4	Correct Handling of UL HARQ process / PUSCH Repetition Type A enhancement / repetition based on available slots / configured grant	Rel-17	C291	UEs supporting PUSCH repetitions based on available slots and PUSCH transmissions with configured grant
7.1.1.3.15	**Correct Handling of UL HARQ process / TBoMS procedure**			
7.1.1.3.15.1	Correct Handling of UL HARQ process / TBoMS procedure / DG and CG based transmission	Rel-17	C292	UEs supporting TB processing over multi-slot PUSCH
7.1.1.3.15.2	Correct Handling of UL HARQ process / TBoMS procedure / Repetition of TBoMS	Rel-17	C293	UEs supporting repetition of TB processing over multi-slot PUSCH
7.1.1.3.16	**Correct Handling of UL grant / DRB configured with survival time**			
7.1.1.3.16.1	Correct Handling of UL grant / DRB configured with survival time / Split DRB	Rel-17	C256	UEs supporting services with survival time and NR-DC and PDCP-duplication over split DRB
7.1.1.3.16.2	Correct Handling of UL grant / DRB configured with survival time / MCG or SCG DRB / Intra-band contiguous CA	Rel-17	C257	UEs supporting services with survival time and intra-band contiguous CA and CA-based PDCP duplication over MCG or SCG DRB

Clause	TC Title	Release	Applicability Condition	Applicability Comment
7.1.1.3.16.3	Correct Handling of UL grant / DRB configured with survival time / MCG or SCG DRB / Intra-band non-contiguous CA	Rel-17	C258	UEs supporting services with survival time and intra-band non-contiguous CA and CA-based PDCP duplication over MCG or SCG DRB
7.1.1.3.16.4	Correct Handling of UL grant / DRB configured with survival time / MCG or SCG DRB / Inter-band CA	Rel-17	C259	UEs supporting services with survival time and inter-band CA and CA-based PDCP duplication over MCG or SCG DRB
7.1.1.4	**Transport Size Selection**			
7.1.1.4.1	**DL-SCH Transport Block Size Selection**			
7.1.1.4.1.1	DL-SCH Transport Block Size selection / DCI format 1_0	Rel-15	R	UEs supporting 5GS
7.1.1.4.1.2	Void			
7.1.1.4.1.3	DL-SCH transport block size selection / DCI format 1_1 / RA type 0/RA Type 1 / 2 Codewords enabled	Rel-15	C64	UEs supporting 5GS and The maximum number of spatial multiplexing layer(s) supported by the UE for DL reception is 8 Layers. For single CC standalone NR, it is mandatory with capability signalling to support at least 4 MIMO layers in the bands where 4Rx is specified as mandatory for the given UE and at least 2 MIMO layers in FR2. If absent, the UE doesn't support MIMO on this carrier
7.1.1.4.1.4	DL-SCH transport block size selection / DCI format 1_1 / RA type 0/RA Type 1 / 2 Codewords enabled / 256QAM	Rel-15	C65	UEs supporting 5GS and The maximum number of spatial multiplexing layer(s) supported by the UE for DL reception is 8 Layers. For single CC standalone NR, it is mandatory with capability signalling to support at least 4 MIMO layers in the bands where 4Rx is specified as mandatory for the given UE and at least 2 MIMO layers in FR2. If absent, the UE doesn't support MIMO on this carrier and 256QAM for PUSCH
7.1.1.4.1.5	DL-SCH transport block size selection / DCI format 1_2	Rel-16	C146	Ues supporting monitoring DCI format 1_2 for DL scheduling and monitoring DCI format 0_2 for UL scheduling
7.1.1.4.2	**UL-SCH Transport Block Size Selection**			
7.1.1.4.2.1	UL-SCH Transport Block Size selection / DCI format 0_0 / Transform precoding disabled	Rel-15	R	UEs supporting 5GS
7.1.1.4.2.2	Void			
7.1.1.4.2.3	UL-SCH transport block size selection / DCI format 0_1 / RA type 0/RA Type 1 / Transform precoding disabled	Rel-15	R	UEs supporting 5GS
7.1.1.4.2.4	UL-SCH transport block size selection / DCI format 0_1 / RA type 0/RA Type 1 / 256QAM / Transform precoding disabled	Rel-15	C11	UEs supporting 5GS and 256QAM for PDSCH for FR1/FR2
7.1.1.4.2.5	UL-SCH Transport Block Size selection / DCI format 0_0 / Transform precoding and 64QAM	Rel-15	R	UEs supporting 5GS
7.1.1.4.2.6	UL-SCH Transport Block Size selection / DCI format 0_2	Rel-16	C146	UEs supporting monitoring DCI format 1_2 for DL scheduling and monitoring DCI format 0_2 for UL scheduling
7.1.1.4.2.7	UL-SCH Transport Block Size selection / TBoMS procedure	Rel-17	C292	UEs supporting TB processing over multi-slot PUSCH
7.1.1.5	**Discontinuous reception**			
7.1.1.5.1	DRX operation / Short cycle not configured / Parameters configured by RRC	Rel-15	C03	UEs supporting 5GS and long DRX cycle
7.1.1.5.2	DRX operation / Short cycle not configured / Long DRX command MAC control element reception	Rel-15	C03	UEs supporting 5GS and long DRX cycle
7.1.1.5.3	DRX operation / Short cycle configured / Parameters configured by RRC	Rel-15	C04	UEs supporting 5GS and short DRX cycle
7.1.1.5.4	DRX operation / Short cycle configured / DRX command MAC control element reception	Rel-15	C04	UEs supporting 5GS and short DRX cycle
7.1.1.5.5	DRX operation / Short cycle configured / Long DRX command MAC control element reception	Rel-15	C70	UEs supporting 5GS and long DRX cycle and short DRX cycle
7.1.1.6	**Semi-Persistent Scheduling**			
7.1.1.6.1	Correct handling of DL assignment / Semi-persistent case	Rel-15	C17	UEs supporting 5GS and PDSCH reception based on semi-persistent scheduling
7.1.1.6.2	Correct handling of UL grant / configured grant Type 1	Rel-15	C18	UEs supporting 5GS and Type 1 PUSCH transmissions with configured grant
7.1.1.6.3	Correct handling of UL grant / configured grant Type 2	Rel-15	C19	UEs supporting 5GS and Type 2 PUSCH transmissions with configured grant
7.1.1.6.4	Correct handling of DL assignment / Multi Semi-persistent configuration	Rel-16	C113	UEs supporting 5G Core and PDSCH reception based on semi-persistent scheduling and up to 8 configured SPS configurations in a BWP of a serving cell and up to 32 configured SPS configurations in a cell group

Clause	TC Title	Release	Applicability Condition	Applicability Comment
7.1.1.6.5	Correct handling of UL grant / Multi configured uplink grants	Rel-16	C142	UEs supporting 5G Core and PUSCH transmissions on multiple configured uplink grants
7.1.1.7	**Activation/Deactivation of SCells**			
7.1.1.7.1	**Activation/Deactivation of SCells / Activation/Deactivation MAC control element reception / sCellDeactivationTimer**			
7.1.1.7.1.1	Activation/Deactivation of SCells / Activation/Deactivation MAC control element reception / sCellDeactivationTimer / Intra-band Contiguous CA	Rel-15	C44	UEs supporting 5GS and intra-band contiguous CA
7.1.1.7.1.2	Activation/Deactivation of SCells / Activation/Deactivation MAC control element reception / sCellDeactivationTimer / Inter-band CA	Rel-15	C45	UEs supporting 5GS and inter-band CA
7.1.1.7.1.3	Activation/Deactivation of SCells / Activation/Deactivation MAC control element reception / sCellDeactivationTimer / Intra-band non-Contiguous CA	Rel-15	C46	UEs supporting 5GS and intra-band non-contiguous CA
7.1.1.8	**Bandwidth Part (BWP) operation**			
7.1.1.8.1	Bandwidth Part (BWP) operation UL/DL	Rel-15	C66	UEs supporting 5GS and (DCI and timer based active BWP switching delay type1 or type2) and ((BWP adaptation upto2 NR FR1 FDD or NR FR1 TDD or NR FR2) or (BWP adaptation up to 4 NR FR1 FDD or NR FR1 TDD or NR FR2))
7.1.1.8.3	Separate BWP / IDLE / RedCap	Rel-17	C212	UEs supporting 5G Core and RedCap
7.1.1.8.4	Separate BWP / RedCap-specific initial DL BWP without CORESET#0 / NCD-SSB	Rel-17	C212	UEs supporting 5G Core and RedCap
7.1.1.9	**MAC Reconfiguration and Reset**			
7.1.1.9.1	MAC Reset	Rel-15	R	UEs supporting 5GS
7.1.1.10	**Other Procedures**			
7.1.1.10.1	DataInactivityTimer expiry	Rel-15	C21	UEs supporting 5G Core
7.1.1.10.2	Recommended Bit Rate	Rel-15	C100	UEs supporting 5G Core and MTSI speech and bit rate recommendation query message
7.1.1.10.3	NR CA / LBT failure on Scell / MAC CE indication	Rel-16	C300	UEs supporting 5G Core and NR CA with NR shared spectrum channel access and UL NR CA with 2 carriers
7.1.1.11	**NR Dual Connectivity**			
7.1.1.11.1	DC power headroom reporting / PSCell activation and DL pathloss change reporting	Rel-15	C80	UEs supporting NR-DC
7.1.1.12	**UE Power Saving**			
7.1.1.12.1	Void			
7.1.1.12.3	DRX adaptation / UE wakeup indication	Rel-16	C103	UEs supporting 5GS and Long DRX Cycle and DRX adaptation
7.1.1.12.4.1	DRX adaptation / SCell dormancy indication / Intra-band Contiguous CA	Rel-16	C118	UEs supporting 5GS and Long DRX Cycle and DRX adaptation and SCell Dormancy indication outside active time and intra-band contiguous CA
7.1.1.12.4.2	DRX adaptation / SCell dormancy indication / Intra-band non Contiguous CA	Rel-16	C119	UEs supporting 5GS and Long DRX Cycle and DRX adaptation and SCell Dormancy indication outside active time and intra-band non-contiguous CA
7.1.1.12.4.3	DRX adaptation / SCell dormancy indication / Inter-band CA	Rel-16	C120	UEs supporting 5GS and Long DRX Cycle and DRX adaptation and SCell Dormancy indication outside active time and inter-band CA
7.1.1.13	**SDT**			
7.1.1.13.1	RA Based SDT / 2-step RACH / Successful	Rel-17	C232	UEs Supporting 2-Step RACH and Random access SDT
7.1.1.13.2	RA Based SDT / 4-step RACH / Successful	Rel-17	C233	UEs supporting Random Access SDT
7.1.1.13.3	RA Based SDT / 2-step RACH / not complete / RA_TYPE to 4-stepRA	Rel-17	C232	UEs Supporting 2-Step RACH and Random access SDT
7.1.1.13.4	RA Based SDT / 4-step RA based SDT / Time Alignment Timer expiry	Rel-17	C233	UEs supporting Random Access SDT
7.1.1.13.5	RA Based SDT/ CG Based SDT/ cg-SDT-TimeAlignmentTimer	Rel-17	C269	UEs supporting 5GC Core and SDT via Configured Grant Type 1 in RRC_INACTIVE state.
7.1.2	**RLC**			
7.1.2.2	**RLC Unacknowledged Mode**			
7.1.2.2.1	UM RLC / Segmentation and reassembly / 6-bit SN / Segmentation Info (SI) field	Rel-15	C05	UEs supporting 5GS and RLC UM with 6-bit length of RLC sequence number
7.1.2.2.2	UM RLC / Segmentation and reassembly / 12-bit SN / Segmentation Info (SI) field	Rel-15	C06	UEs supporting 5GS and RLC UM with 12-bit length of RLC sequence number

Clause	TC Title	Release	Applicability Condition	Applicability Comment
7.1.2.2.3	UM RLC / 6-bit SN / Correct use of sequence numbering	Rel-15	C05	UEs supporting 5GS and RLC UM with 6-bit length of RLC sequence number
7.1.2.2.4	UM RLC / 12-bit SN / Correct use of sequence numbering	Rel-15	C06	UEs supporting 5GS and RLC UM with 12-bit length of RLC sequence number
7.1.2.2.5	UM RLC / Receive Window operation and t-Reassembly expiry	Rel-15	C02	UEs supporting 5GS and RLC UM Mode
7.1.2.2.6	UM RLC / RLC re-establishment procedure	Rel-15	C02	UEs supporting 5GS and RLC UM Mode
7.1.2.3	**RLC Acknowledged Mode**			
7.1.2.3.1	AM RLC / 12-bit SN / Segmentation and reassembly / Segmentation Info (SI) field	Rel-15	C07	UEs supporting 5GS and RLC AM with 12-bit length of RLC sequence number
7.1.2.3.2	AM RLC / 18-bit SN / Segmentation and reassembly / Segmentation Info (SI) field	Rel-15	C07A	UEs supporting 5GS and RLC AM with 18-bit length of RLC sequence number
7.1.2.3.3	AM RLC / 12-bit SN / Correct use of sequence numbering	Rel-15	C07	UEs supporting 5GS and RLC AM with 12-bit length of RLC sequence number
7.1.2.3.4	AM RLC / 18-bit SN / Correct use of sequence numbering	Rel-15	C07A	UEs supporting 5GS and RLCand RLC AM with 18-bit length of RLC sequence number
7.1.2.3.5	AM RLC / 12-bit SN / Control of transmit window / Control of receive window	Rel-15	C07	UEs supporting 5GS and RLC AM with 12-bit length of RLC sequence number
7.1.2.3.5a	AM RLC / 18-bit SN / Control of transmit window / Control of receive window	Rel-15	C07A	UEs supporting 5GS and RLC AM with 18-bit length of RLC sequence number
7.1.2.3.6	AM RLC / Polling for status	Rel-15	R	UEs supporting 5GS
7.1.2.3.7	AM RLC / Receiver status triggers	Rel-15	R	UEs supporting 5GS
7.1.2.3.8	AM RLC / Reconfiguration of RLC parameters by upper layers	Rel-15	R	UEs supporting 5GS
7.1.2.3.9	AM RLC / Reassembling of AMD PDUs	Rel-15	R	UEs supporting 5GS
7.1.2.3.10	AM RLC / Re-transmission of RLC PDU with and without re-segmentation	Rel-15	R	UEs supporting 5GS
7.1.2.3.11	AM RLC / RLC re-establishment procedure	Rel-15	R	UEs supporting 5GS
7.1.3	**PDCP**			
7.1.3.1	**Maintenance of PDCP sequence numbers for radio bearers**			
7.1.3.1.1	Maintenance of PDCP sequence numbers / User plane / 12-bit SN	Rel-15	C08	UEs supporting 5GS and 12-bit length of PDCP sequence number
7.1.3.1.2	Maintenance of PDCP sequence numbers / User plane / 18-bit SN	Rel-15	C08A	UEs supporting 5GS and 18-bit length of PDCP sequence number
7.1.3.2	**PDCP Integrity protection**			
7.1.3.2.1	Integrity protection / Correct functionality of integrity algorithm SNOW3G / SRB / DRB	Rel-15	R	UEs supporting 5GS
7.1.3.2.2	Integrity protection / Correct functionality of integrity algorithm AES / SRB / DRB	Rel-15	R	UEs supporting 5GS
7.1.3.2.3	Integrity protection / Correct functionality of integrity algorithm ZUC / SRB / DRB	Rel-15	C09	UEs supporting 5GS and ZUC algorithm
7.1.3.2.6	Integrity protection / Correct functionality of UP integrity protection / multiple DRBs	Rel-17	C286	UEs supporting EN-DC and user plane integrity protection with EPS
7.1.3.3	**PDCP Ciphering and deciphering**			
7.1.3.3.1	Ciphering and deciphering / Correct functionality of encryption algorithm SNOW3G / SRB / DRB	Rel-15	R	UEs supporting 5GS
7.1.3.3.2	Ciphering and deciphering / Correct functionality of encryption algorithm AES / SRB / DRB	Rel-15	R	UEs supporting 5GS
7.1.3.3.3	Ciphering and deciphering / Correct functionality of encryption algorithm ZUC / SRB / DRB	Rel-15	C09	UEs supporting 5GS and ZUC algorithm
7.1.3.4	**PDCP Handover**			
7.1.3.4.1	PDCP handover / Lossless handover / PDCP sequence number maintenance / PDCP status report to convey the information on missing or acknowledged PDCP SDUs at handover / In-order delivery and duplicate elimination in the downlink	Rel-15	R	UEs supporting 5GS
7.1.3.4.2	PDCP handover / Non-lossless handover / PDCP sequence number maintenance	Rel-15	R	UEs supporting 5GS
7.1.3.4.3	PDCP handover / DAPS handover / Status reporting / Intra-frequency	Rel-16	C101	UEs supporting 5G Core and intra-frequency DAPS handover
7.1.3.4.4	PDCP handover / DAPS handover / Status reporting / Inter-frequency	Rel-16	C130	UEs supporting 5G Core and inter-frequency DAPS handover
7.1.3.5	**PDCP other**			
7.1.3.5.1	PDCP Discard	Rel-15	C02	UEs supporting 5GS and RLC UM Mode
7.1.3.5.2	PDCP Uplink Routing / Split DRB	Rel-15	C10	UEs supporting EN-DC and UL transmission via both MCG path and SCG path for the split DRB
			C97	UEs supporting NR-DC and UL transmission via both MCG path and SCG path for the split DRB

Clause	TC Title	Release	Applicability Condition	Applicability Comment
			C194	UEs supporting NE-DC and UL transmission via both MCG path and SCG path for the split DRB
7.1.3.5.3	PDCP Data Recovery	Rel-15	C01	UEs supporting EN-DC
			C80	UEs supporting NR-DC
7.1.3.5.4	PDCP reordering / Maximum re-ordering delay below t-Reordering / t-Reordering timer operations	Rel-15	R	UEs supporting 5GS
7.1.3.5.5	PDCP Duplication	Rel-15	C62	UEs supporting EN-DC and PDCP duplication over split DRB
			C98	UEs supporting NR-DC and PDCP duplication over split DRB
7.1.3.5.6.1	PDCP Duplication / 3 RLC entities / Intra-band Contiguous CA	Rel-16	C104	UEs supporting 5GC and Intra-band contiguous CA and DL and UL NR CA with 3 carriers and PDCP duplication with more than two RLC entities
7.1.3.5.6.2	PDCP Duplication / 3 RLC entities / Intra-band non-Contiguous CA	Rel-16	C181	UEs supporting 5GC and Intra-band non-contiguous CA and DL and UL NR CA with 3 carriers and PDCP duplication with more than two RLC entities
7.1.3.5.7	Ethernet header compression and decompression / Correct functionality of ethernet header compression and decompression	Rel-16	C105	UEs supporting 5GS and RLC UM Mode and PDCP ethernet header compression
7.1.3.6	**PDCP UDC**			
7.1.3.6.1	PDCP UDC / No dictionary	Rel-17	C235	UEs supporting 5GS and uplink data compression operation
7.1.3.6.2	PDCP UDC / Pre-defined dictionary	Rel-17	C236	UEs supporting 5GS and uplink data compression operation and UL data compression with SIP static dictionary
7.1.3.6.3	PDCP UDC / checksum error / Reset	Rel-17	C235	UEs supporting 5GS and uplink data compression operation
7.1.3.6.4	PDCP UDC/ Handover/ Intra-frequency	Rel-17	C271	UEs supporting 5GS and uplink data compression operation and continuation of uplink data compression protocol operation
7.1.3.6.5	PDCP UDC/ Handover/ Inter-frequency	Rel-17	C271	UEs supporting 5GS and uplink data compression operation and continuation of uplink data compression protocol operation
7.1.3.6.6	PDCP UDC/ RRC resume	Rel-17	C271	UEs supporting 5GS and uplink data compression operation and continuation of uplink data compression protocol operation
7.1.3.6.7	PDCP UDC/ RRC reestablishment	Rel-17	C271	UEs supporting 5GS and uplink data compression operation and continuation of uplink data compression protocol operation
7.1.3.6.8	PDCP UDC/ PSCell addition / SCG DRB with UDC configuration/ NR-DC	Rel-17	C272	UEs supporting NR-DC and uplink data compression operation
7.1.3.6.9	PDCP UDC/ PSCell addition / SCG DRB with UDC configuration/ NE-DC	Rel-17	C273	UEs supporting NE-DC and uplink data compression operation
7.1.4	**SDAP**			
7.1.4.1	SDAP Data Transfer and PDU Header Handling UL/DL	Rel-15	C21A	UEs supporting 5G Core and reflective QoS
7.1.4.2	SDAP Data Transfer handling without Header UL/DL	Rel-15	C21	UEs supporting 5G Core

Table 4.1-2b: Additional Information of Applicability of Protocol conformance Layer 2 test cases, ref. TS 38.523-1 [2]

Clause	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
7				
7.1				
7.1.1				
7.1.1.1				
7.1.1.1.4	pc_csi_RS_CFRA_ForHO			
7.1.1.3				
7.1.1.3.2b	pc_configuredUL_GrantType1			
7.1.1.4				
7.1.1.4.1				
7.1.1.4.1.3	pc_dynamicSwitchRA_Type0_1_PDSCH			
7.1.1.4.1.4	pc_dynamicSwitchRA_Type0_1_PDSCH			
7.1.1.4.2				
7.1.1.4.2.3	pc_dynamicSwitchRA_Type0_1_PUSCH			
7.1.1.4.2.4	pc_dynamicSwitchRA_Type0_1_PUSCH			
7.1.1.6				
7.1.1.6.4	pc_um_WithShortSN			
7.1.1.7				
7.1.1.7.1				
7.1.1.7.1.1	pc_UL_NR_CA_2CC or pc_EN_DC_NR_UL_2CC			
7.1.1.7.1.2	pc_UL_NR_CA_2CC or pc_EN_DC_NR_UL_2CC			
7.1.1.7.1.3	pc_UL_intra_non_contiguous_CA_NR_FR1_Class_(2A) or pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(2A)			
7.1.1.12				
7.1.1.12.3				Rel-15 E-UTRA
7.1.1.13				
7.1.1.13.1	pc_logicalChannelSR_DelayTimer			
7.1.1.13.2	pc_logicalChannelSR_DelayTimer			
7.1.1.13.5	pc_ra_SDT_r17			
7.1.2				
7.1.2.2				
7.1.2.2.5	pc_um_WithShortSN			
7.1.2.2.6	pc_um_WithShortSN			
7.1.3				
7.1.3.2.1	pc_srb3			

Table 4.1-3a: Applicability of Protocol conformance RRC test cases, ref. TS 38.523-1 [2]

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8	**RRC**			
8.1	**NR RRC**			
8.1.1	**RRC connection management procedures**			
8.1.1.1	**Paging**			
8.1.1.1.1	RRC / Paging for connection / Multiple paging records	Rel-15	C21	UEs supporting 5G Core
8.1.1.1.2	RRC / Paging for connection / Shared network environment	Rel-15	C21	UEs supporting 5G Core
8.1.1.1a	**Paging Early Indication and Subgrouping**			
8.1.1.1a.1	Paging Early Indication with Subgrouping / RRC_IDLE / lastUsedCellOnly not configured / Subgroup ID selection	Rel-17	C224	UEs supporting 5G Core and PEI
8.1.1.1a.2	Paging Early Indication with Subgrouping / RRC_INACTIVE / lastUsedCellOnly configured	Rel-17	C239	UEs supporting 5G Core and RRC_INACTIVE and PEI
8.1.1.1a.3	Paging Early Indication without Subgrouping / RRC_IDLE	Rel-17	C224	UEs supporting 5G Core and PEI
8.1.1.2	**RRC connection establishment**			

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.1.1.2.1	RRC connection establishment / Return to idle state after T300 expiry	Rel-15	C21	UEs supporting 5G Core
8.1.1.2.2	Void			
8.1.1.2.3	RRC connection establishment / RRC Reject with wait time	Rel-15	C21	UEs supporting 5G Core
8.1.1.2.4	RRC connection establishment / Extended and spare fields in SI	Rel-15 and Rel-16 only	C21	UEs supporting 5G Core
8.1.1.3	**RRC release**			
8.1.1.3.1	RRC connection release / Redirection to another NR frequency	Rel-15	C21	UEs supporting 5G Core
8.1.1.3.2	RRC connection release / Redirection from NR to E-UTRA	Rel-15	C32	UEs supporting 5G Core and E-UTRA
8.1.1.3.3	RRC connection release / Success / With priority information	Rel-15	C21	UEs supporting 5G Core
8.1.1.3.4	RRC connection release / Success / With priority information / E-UTRA	Rel-15	C26	UEs supporting 5GS and E-UTRA
8.1.1.3.5	Void			
8.1.1.3.6	Void			
8.1.1.3.7	RRC connection release / Success / Deprioritisation / Frequency / T325 expiry	Rel-15	C133	UEs supporting 5G Core and RRC connection release with Deprioritisation
8.1.1.3.7a	RRC connection release / Success / Deprioritisation / NR / T325 expiry	Rel-15	C148	UEs supporting 5G Core and E-UTRA and RRC connection release with Deprioritisation
8.1.1.3.7b	RRC connection release / Success / Deprioritisation / Deletion of Stored deprioritisation request	Rel-15	C161	UEs supporting 5G Core and RRC connection release with Deprioritisation and ManualModeNetworkSelectionException
8.1.1.3.8	RRC connection release / Redirection to another NR frequency / MPS Priority Indication	Rel-16	C274	UEs supporting 5G Core and RRC Connection release with MPS priority indication
8.1.1.3.9	RRC connection release / Success / With slice specific cell reselection information	Rel-17	C240	UEs supporting 5G Core and slice based cell reselection
8.1.1.4	**RRC resume**			
8.1.1.4.1	RRC resume / Suspend-Resume / RNA update / Success	Rel-15	C109	UEs supporting 5G Core and RRC_INACTIVE
8.1.1.4.2	RRC resume / Suspend-Resume / RRC setup / T319 expiry	Rel-15	C109	UEs supporting 5G Core and RRC_INACTIVE
8.1.1.4.3	Void			
8.1.1.4.4	RRC resume / Suspend-Resume / RRC reconfiguration / Active MCG SCell addition / Intra-band Contiguous CA	Rel-16	C154	UEs supporting 5G Core and intra-band contiguous CA and RRC_INACTIVE and direct NR MCG SCell activation
8.1.1.4.5	RRC resume / Suspend-Resume / RRC reconfiguration / Active MCG SCell addition / Intra-band non-Contiguous CA	Rel-16	C155	UEs supporting 5G Core and intra-band non-contiguous CA and RRC_INACTIVE and direct NR MCG SCell activation
8.1.1.4.6	RRC resume / Suspend-Resume / RRC reconfiguration / Active MCG SCell addition / Inter-band CA	Rel-16	C156	UEs supporting 5G Core and inter-band CA and RRC_INACTIVE and direct NR MCG SCell activation
8.1.1.4.7	RRC resume / Suspend-Resume / RRC reconfiguration / Active SCG SCell addition / Intra-band Contiguous CA	Rel-16	C221	UEs supporting 5G Core and intra-band contiguous CA and RRC_INACTIVE and direct NR SCG SCell activation and NR-DC
8.1.1.4.8	RRC resume / Suspend-Resume / RRC reconfiguration / Active SCG SCell addition / Intra-band non-Contiguous CA	Rel-16	C222	UEs supporting 5G Core and intra-band non-contiguous CA and RRC_INACTIVE and direct NR SCG SCell activation and NR-DC
8.1.1.4.9	RRC resume / Suspend-Resume / RRC reconfiguration / Active SCG SCell addition / Inter-band CA	Rel-16	C223	UEs supporting 5G Core and inter-band CA and RRC_INACTIVE and direct NR SCG SCell activation and NR-DC
8.1.2	**RRC reconfiguration**			
8.1.2.1	**Radio bearer establishment / reconfiguration / release**			
8.1.2.1.1	RRC reconfiguration / DRB / SRB / Establishment / Modification / Release / Success	Rel-15	C21	UEs supporting 5G Core
8.1.2.1.2	RRC reconfiguration / RRC bearer establishment / uplinkTxDirectCurrentList	Rel-15	C21	UEs supporting 5G Core
8.1.2.1.3	Void			
8.1.2.1.4	RRC reconfiguration / Dedicated RLF timer	Rel-15	C21	UEs supporting 5GCore
8.1.2.1.5	**NR CA / RRC reconfiguration / SCell addition / modification / release / Success**			
8.1.2.1.5.1	NR CA / RRC reconfiguration / SCell addition / modification / release / Success / Intra-band Contiguous CA	Rel-15	C41	UEs supporting 5G Core and intra-band contiguous CA
8.1.2.1.5.2	NR CA / RRC reconfiguration / SCell addition / modification / release / Success / Inter-band CA	Rel-15	C42	UEs supporting 5G Core and inter-band CA

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.1.2.1.5.3	NR CA / RRC reconfiguration / SCell addition / modification / release / Success / Intra-band non-contiguous CA	Rel-15	C43	UEs supporting 5G Core and intra-band non-contiguous CA
8.1.2.1.5.4	NR CA / RRC reconfiguration / SCell addition / modification / release / Success / Active MCG SCell addition / Intra-band Contiguous CA	Rel-16	C226	UEs supporting 5G Core and direct NR MCG SCell activation and intra-band contiguous CA
8.1.2.1.5.5	NR CA / RRC reconfiguration / SCell addition / modification / release / Success / Active MCG SCell addition / Intra-band non-contiguous CA	Rel-16	C227	UEs supporting 5G Core and direct NR MCG SCell activation and intra-band non-contiguous CA
8.1.2.1.5.6	NR CA / RRC reconfiguration / SCell addition / modification / release / Success / Active MCG SCell addition / Inter-band CA	Rel-16	C228	UEs supporting 5G Core and direct NR MCG SCell activation and inter-band CA
8.1.2.1.6	RRC reconfiguration/ MUSIM / MUSIM- gap / Addition / Modification / Release	Rel-17	C246	UEs supporting 5G Core and MUSIM gap feature
8.1.3	**Measurement configuration control and reporting**			
8.1.3.1	**Intra NR measurements**			
8.1.3.1.1	Measurement configuration control and reporting / Intra NR measurements / Event A1 / Event A2	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.2	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour NR cell / Intra-frequency measurements	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.3	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour NR cell / Inter-frequency measurements	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.4	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour NR cell / Inter-band measurements	Rel-15	C94	UEs supporting 5G Core and multiple NR bands
8.1.3.1.5	Measurement configuration control and reporting / Event A4 / Measurement of Neighbour NR cell / Intra-frequency measurements	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.6	Measurement configuration control and reporting / Event A4 / Measurement of Neighbour NR cell / Inter-frequency measurements	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.7	Measurement configuration control and reporting / Event A4 / Measurement of Neighbour NR cell / Inter-band measurements	Rel-15	C94	UEs supporting 5G Core and multiple NR bands
8.1.3.1.8	Measurement configuration control and reporting / Event A5 / Measurement of Neighbour NR cell / Intra-frequency measurements	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.9	Measurement configuration control and reporting / Event A5 / Measurement of Neighbour NR cell / Inter-frequency measurements	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.10	Measurement configuration control and reporting / Event A5 / Measurement of Neighbour NR cell / Inter-band measurements	Rel-15	C94	UEs supporting 5G Core and multiple NR bands
8.1.3.1.11	Measurement configuration control and reporting / Intra NR measurements / Two simultaneous events A3 (intra and inter-frequency measurements) / RSRQ based measurements	Rel-15	C21	UEs supporting 5GCore
8.1.3.1.12	Measurement configuration control and reporting / Intra NR measurements / Two simultaneous events A5 (intra and inter-frequency measurements) / SINR based measurements	Rel-15	C40	UEs supporting 5G Core and SS-SINR measurements
8.1.3.1.13	Measurement configuration control and reporting / SS/PBCH block based / CSI-RS based intra-frequency measurements / Measurement of Neighbour NR cell	Rel-15	C52	UEs supporting 5G Core and NR measurements and Event A triggered reporting and (NR Intra-frequency and Inter frequency measurements and at least periodical reporting) and CSI-RSRP and CSI-RSRQmeasurement
8.1.3.1.14	Void			
8.1.3.1.14A	Measurement configuration control and reporting / SS/PBCH block based / CSI-RS	Rel-15	C52	UEs supporting 5G Core and NR measurements and Event A triggered reporting and (NR Intra-frequency and Inter frequency

Clause	TC Title	Release	Applicability Condition	Applicability Comment
	based inter-frequency measurements / Measurement of Neighbour NR cell			measurements and at least periodical reporting) and CSI-RSRP and CSI-RSRQmeasurement
8.1.3.1.15	Void			
8.1.3.1.15A	Measurement configuration control and reporting / Intra NR measurements / Exclude-listed cells	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.16	Measurement configuration control and reporting / Intra NR measurements / Allow-listed cells	Rel-15	C21	UEs supporting 5G Core
8.1.3.1.17	**NR CA / Measurement configuration control and reporting / Intra NR measurements / Event A6**			
8.1.3.1.17.1	NR CA / Measurement configuration control and reporting / Intra NR measurements / Event A6 / Intra-band Contiguous CA	Rel-15	C41	UEs supporting 5G Core and intra-band contiguous CA
8.1.3.1.17.2	NR CA / Measurement configuration control and reporting / Intra NR measurements / Event A6 / Inter-band CA	Rel-15	C42	UEs supporting 5G Core and inter-band CA
8.1.3.1.17.3	NR CA / Measurement configuration control and reporting / Intra NR measurements / Event A6 / Intra-band non-Contiguous CA	Rel-15	C43	UEs supporting 5G Core and intra-band non-contiguous CA
8.1.3.1.18	**NR CA / Measurement configuration control and reporting / Intra NR measurements / Additional measurement reporting**			
8.1.3.1.18.1	NR CA / Measurement configuration control and reporting / Intra NR measurements / Additional measurement reporting / Intra-band Contiguous CA	Rel-15	C41	UEs supporting 5G Core and intra-band contiguous CA
8.1.3.1.18.2	NR CA / Measurement configuration control and reporting / Intra NR measurements / Additional measurement reporting / Inter-band CA	Rel-15	C42	UEs supporting 5G Core and inter-band CA
8.1.3.1.18.3	NR CA / Measurement configuration control and reporting / Intra NR measurements / Additional measurement reporting / Intra-band non-Contiguous CA	Rel-15	C43	UEs supporting 5G Core and intra-band non-contiguous CA
8.1.3.1.19	Measurement configuration control and reporting / Inter-frequency measurements/ SFTD	Rel-15	C150	UEs supporting 5G Core and SFTD measurements between NR PCell and NR neighbour cell
8.1.3.1.20	Measurement configuration control and reporting / Measurement Gaps / gapFR1	Rel-15	C49	UE supporting 5G Core and two independent measurement gap configurations for FR1 and FR2
8.1.3.1.21	Measurement configuration control and reporting / Measurement Gaps / gapFR2	Rel-15	C49	UE supporting 5G Core and two independent measurement gap configurations for FR1 and FR2
8.1.3.1.23	Measurement configuration control and reporting / Intra NR measurements / Periodic reporting / Continuation of the measurements after RRC Resume	Rel-15	C21	UEs supporting 5G Core
8.1.3.2	**Inter-RAT measurements**			
8.1.3.2.1	Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / Measurement of E-UTRA cells	Rel-15	C31	UEs supporting 5G Core and Inter-RAT E-UTRA measurements and Event B triggered reporting
8.1.3.2.2	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of E-UTRA cells	Rel-15	C31	UEs supporting 5G Core and Inter-RAT E-UTRA measurements and Event B triggered reporting
8.1.3.2.3	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of E-UTRA cells / RSRQ based measurements	Rel-15	C31	UEs supporting 5G Core and Inter-RAT E-UTRA measurements and Event B triggered reporting
8.1.3.2.4	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of E-UTRA cells / SINR based measurements	Rel-15	C50	UEs supporting 5G Core and Inter-RAT E-UTRA measurements and Event B triggered reporting and E-UTRA RS-SINR measurements
8.1.3.2.5	Void			
8.1.3.2.6	Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / NR to UTRA	Rel-16	C127	UEs supporting 5G Core and UTRA and NR to UTRA-FDD CELL_DCH CS handover
8.1.3.2.7	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / NR to UTRA	Rel-16	C127	UEs supporting 5G Core and UTRA and NR to UTRA-FDD CELL_DCH CS handover

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.1.3.2.8	Measurement configuration control and reporting / Inter-RAT measurements / Periodic reporting / NR to UTRA	Rel-16	C127	UEs supporting 5G Core and UTRA and NR to UTRA-FDD CELL_DCH CS handover
8.1.3.3	**Measurement for self-optimized networks**			
8.1.3.3.1	Measurement configuration control and reporting / CGI reporting of NR cell	Rel-15	C59	UEs supporting 5G Core and Support acquisition of relevant information from a neighbouring intra-frequency or inter-frequency NR cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when EN-DC is not configured.
8.1.3.3.2	Measurement configuration control and reporting / CGI reporting of E-UTRA cell	Rel-15	C60	UEs supporting 5G Core and Support acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the EN-DC is not configured.
8.1.3.4	**Measurement relaxation**			
8.1.3.4.1	Void			
8.1.4	**Handover**			
8.1.4.1	**Intra NR handover**			
8.1.4.1.1	Void			
8.1.4.1.2	Intra NR handover / Success / Inter-frequency	Rel-15	C21	UEs supporting 5G Core
8.1.4.1.3	Void			
8.1.4.1.4	Void			
8.1.4.1.5	Intra NR handover / Failure / Re-establishment successful	Rel-15	C21	UEs supporting 5G Core
8.1.4.1.6	Intra NR handover / Failure / Re-establishment failure	Rel-15	C21	UEs supporting 5G Core
8.1.4.1.7	**NR CA / Intra NR handover / Success / PCell Change and SCell addition / SCell release**			
8.1.4.1.7.1	NR CA / Intra NR handover / Success / PCell Change and SCell addition / SCell release / Intra-band Contiguous CA	Rel-15	C41	UEs supporting 5G Core and intra-band contiguous CA
8.1.4.1.7.2	NR CA / Intra NR handover / Success / PCell Change and SCell addition / SCell release / Inter-band CA	Rel-15	C42	UEs supporting 5G Core and inter-band CA
8.1.4.1.7.3	NR CA / Intra NR handover / Success / PCell Change and SCell addition / SCell release / Intra-band non-contiguous CA	Rel-15	C43	UEs supporting 5G Core and intra-band non-contiguous CA
8.1.4.1.8	**NR CA / Intra NR handover / Success / PCell Change / SCell no Change**			
8.1.4.1.8.1	NR CA / Intra NR handover / Success / PCell Change / SCell no Change / Intra-band Contiguous CA	Rel-15	C41	UEs supporting 5G Core and intra-band contiguous CA
8.1.4.1.8.2	NR CA / Intra NR handover / Success / PCell Change / SCell no Change / Inter-band CA	Rel-15	C42	UEs supporting 5G Core and inter-band CA
8.1.4.1.8.3	NR CA / Intra NR handover / Success / PCell Change / SCell no Change / Intra-band non-contiguous CA	Rel-15	C43	UEs supporting 5G Core and intra-band non-contiguous CA
8.1.4.1.9	**NR CA / Intra NR handover / Failure / Re-establishment successful**			
8.1.4.1.9.1	NR CA / Intra NR handover / Failure / Re-establishment successful / Intra-band Contiguous CA	Rel-15	C41	UEs supporting 5G Core and intra-band contiguous CA
8.1.4.1.9.2	NR CA / Intra NR handover / Failure / Re-establishment successful / Inter-band CA	Rel-15	C42	UEs supporting 5G Core and inter-band CA
8.1.4.1.9.3	NR CA / Intra NR handover / Failure / Re-establishment successful / Intra-band non-contiguous CA	Rel-15	C43	UEs supporting 5G Core and intra-band non-contiguous CA
8.1.4.1.10	eCall Only mode / Intra NR handover / Success / Inter-frequency	Rel-16	C184	UEs supporting 5G Core and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
8.1.4.2	**Inter-RAT handover**			
8.1.4.2.1	**Inter-RAT handover from NR**			
8.1.4.2.1.1	Inter-RAT handover / From NR to E-UTRA / Success	Rel-15	C32	UEs supporting 5G Core and E-UTRA
8.1.4.2.1.2	Inter-RAT handover / From NR to EN-DC / Success	Rel-16	C96	UEs supporting 5G Core and EN-DC and inter-RAT Handover from NR to EN-DC
8.1.4.2.2	**Inter-RAT handover to NR**			
8.1.4.2.2.1	Inter-RAT handover / From E-UTRA to NR / Success	Rel-15	C99	UEs supporting 5GS and E-UTRA and (inter-RAT Handover to NR FR1 TDD from EUTRA

Clause	TC Title	Release	Applicability Condition	Applicability Comment
				connected to EPC or inter-RAT Handover to NR FR1 FDD from EUTRA connected to EPC or inter-RAT Handover to NR FR2 TDD from EUTRA connected to EPC)
8.1.4.4				
8.1.4.4.4	pc_condHandoverFailure-r16			
8.1.4.3	**DAPS handover**			
8.1.4.3.1	DAPS handover with key change / Success / Intra-frequency	Rel-16	C101	UEs supporting 5G Core and intra-frequency DAPS handover
8.1.4.3.2	DAPS handover / HO Failure and source link available / HO Success and RLF in source / Intra-frequency	Rel-16	C101	UEs supporting 5G Core and intra-frequency DAPS handover
8.1.4.3.4	DAPS handover with key change / Success / Inter-frequency	Rel-16	C130	UEs supporting 5G Core and inter-frequency DAPS handover
8.1.4.3.5	DAPS handover / HO Failure and source link available / HO Success and RLF in source / Inter-frequency	Rel-16	C130	UEs supporting 5G Core and inter-frequency DAPS handover
8.1.4.4	**Conditional handover**			
8.1.4.4.1	Conditional handover / Success / A3 / A5 / A3+A5	Rel-16	C116	UEs supporting 5G Core and conditional handover and supporting 2 trigger events for same execution condition
8.1.4.4.2	Conditional handover / modify conditional handover configuration	Rel-16	C115	UEs supporting 5G Core and conditional handover
8.1.4.4.3	Conditional handover / Failure	Rel-16	C117	UEs supporting 5G Core and conditional handover and conditional handover during re-establishment procedure when the selected cell is configured as candidate cell for condition handover
8.1.4.4.4	Conditional handover / legacy Handover / legacy Handover Failure	Rel-16	C115	UEs supporting 5G Core and conditional handover
8.1.5	**RRC others**			
8.1.5.1	**UE capability transfer**			
8.1.5.1.1	UE Capability transfer / Success	Rel-15	C21	UEs supporting 5G Core
8.1.5.2	**SI change / On-demand SIB**			
8.1.5.2.1	Void			
8.1.5.2.2	SI change / Notification of BCCH modification / Short message for SI update in NR RRC_CONNECTED state	Rel-15	C21	UEs supporting 5G Core
8.1.5.2.3	eDRX / IDLE / Paging for notification of BCCH modification	Rel-17	C210	UEs supporting 5G Core and eDRX
8.1.5.3	**PWS notification**			
8.1.5.3.1	PWS notification / PWS reception in NR RRC_IDLE state	Rel-15	C35	UEs supporting 5G Core and (ETWS reception or CMAS reception)
8.1.5.3.2	PWS notification / PWS reception in NR RRC_INACTIVE state	Rel-15	C111	UEs supporting 5G Core and (ETWS reception or CMAS reception) and RRC_INACTIVE
8.1.5.3.3	PWS notification / PWS reception in NR RRC_CONNECTED state	Rel-15	C35	UEs supporting 5G Core and (ETWS reception or CMAS reception)
8.1.5.3.4	PWS notification / PWS reception using dedicatedSystemInformationDelivery	Rel-15	C35	UEs supporting 5G Core and (ETWS reception or CMAS reception)
8.1.5.4	**Counter check**			
8.1.5.4.1	Counter check / Reception of CounterCheck message by the UE	Rel-15	C21	UEs supporting 5G Core
8.1.5.5	**Redirection to NR**			
8.1.5.5.1	Redirection to NR / From E-UTRA / Success	Rel-15	C21	UEs supporting 5G Core
8.1.5.6	**Radio link failure**			
8.1.5.6.1	Radio link failure / RRC connection re-establishment success	Rel-15	C21	UEs supporting 5G Core
8.1.5.6.2	Void			
8.1.5.6.3	Radio link failure / T311 expiry	Rel-15	C21	UEs supporting 5G Core
8.1.5.6.4	Void			
8.1.5.6.5	**NR CA / No Radio Link Failure on SCell / RRC Connection Continues on Pcell**			
8.1.5.6.5.1	NR CA / No Radio Link Failure on SCell / RRC Connection Continues on PCell / Intra-band Contiguous CA	Rel-15	C41	UEs supporting 5G Core and intra-band contiguous CA
8.1.5.6.5.2	NR CA / No Radio Link Failure on SCell / RRC Connection Continues on PCell / Inter-band CA	Rel-15	C42	UEs supporting 5G Core and inter-band CA
8.1.5.6.5.3	NR CA / No Radio Link Failure on SCell / RRC Connection Continues on PCell / Intra-band non-Contiguous CA	Rel-15	C43	UEs supporting 5G Core and intra-band non-contiguous CA

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.1.5.6.6	**Radio link failure / Shared spectrum / LBT Failure**			
8.1.5.6.6.1	Radio link failure / LBT Failure	Rel-16	C217	UEs supporting 5G Core and NR standalone shared spectrum channel access
8.1.5.7	**Failure information**			
8.1.5.7.1	**Failure information / RLC failure / MCG**			
8.1.5.7.1.1	Failure information / RLC failure / MCG / Intra-band Contiguous CA	Rel-15	C72	UEs supporting 5G Core and intra-band contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
8.1.5.7.1.2	Failure information / RLC failure / MCG / Inter-band CA	Rel-15	C73	UEs supporting 5G Core and inter-band CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
8.1.5.7.1.3	Failure information / RLC failure / MCG / Intra-band non Contiguous CA	Rel-15	C74	UEs supporting 5G Core and intra-band non-contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
8.1.5.8	**Processing delay**			
8.1.5.8.1	Processing delay / RRC_Idle to RRC_Connected / RRC_Inactive to RRC_Connected / Success / Latency check	Rel-15	C21	UEs supporting 5G Core
8.1.5.8.2	**Processing delay / RRC_Inactive to RRC_Connected / Success / Latency check / SCell addition**			
8.1.5.8.2.1	Processing delay / RRC_Inactive to RRC_Connected / Success / Latency check / SCell addition / Intra-band Contiguous CA	Rel-15	C41	UEs supporting 5G Core and intra-band contiguous CA
8.1.5.8.2.2	Processing delay / RRC_Inactive to RRC_Connected / Success / Latency check / SCell addition / Inter-band CA	Rel-15	C42	UEs supporting 5G Core and inter-band CA
8.1.5.8.2.3	Processing delay / RRC_Inactive to RRC_Connected / Success / Latency check / SCell addition / Intra-band non-Contiguous CA	Rel-15	C43	UEs supporting 5G Core and intra-band non-contiguous CA
8.1.5.9	**Message Segment transfer**			
8.1.5.9.1	RACS / UL Message Segment transfer / UECapabilityInformation	Rel-16	C129	UEs supporting 5G Core and RRC message Segmentation in the UL
8.1.5.9.2	RRC reconfiguration / DL segment transfer	Rel-16	C207	UEs supporting 5G core and reception of segmented DL RRC messages.
8.1.5.9.3	RRC resume / DL segment transfer	Rel-16	C207	UEs supporting 5G core and reception of segmented DL RRC messages.
8.1.5.10	**UE Assistance Information**			
8.1.5.10.1	UE Assistance Information/ Release Preference	Rel-16	C145	UEs supporting 5G Core and release preference assistance information
8.1.5.10.2	UE Assistance Information / MUSIM	Rel-17	C294	UEs supporting 5G Core and Multi-SIM features and MUSIM related assistance information
8.1.5.10.3	UE Assistance Information / MUSIM / Leaving RRC_CONNECTED / T346g expires	Rel-17	C245	UEs supporting 5G Core and Multi-SIM features and release preference assistance information
8.1.5.10.4	UE Assistance Information / RRM measurement relaxation / RedCap	Rel-17	C209	UEs supporting 5G Core and RedCap and relaxed RRM measurements in RRC_CONNECTED and initiating UE Assistance Information procedure immediately upon change of its fulfilment status for RRM measurement relaxation criterion for connected mode.
8.1.5.11	**Idle/Inactive Measurements**			
8.1.5.11.1	Idle/Inactive Measurements / Idle mode / SIB11 configuration / Measurement of NR cells	Rel-16	C190	UEs supporting 5G Core and Idle/Inactive Measurements
8.1.5.11.2	Idle/Inactive Measurements / Idle mode / RRCRelease configuration / Measurement of NR cells	Rel-16	C190	UEs supporting 5G Core and Idle/Inactive Measurements
8.1.5.11.3	Idle/Inactive measurements / Inactive mode / SIB11 configuration / Measurement of NR cells	Rel-16	C192	UEs supporting 5GC Core and RRC_INACTIVE and Idle/Inactive Measurements
8.1.5.11.4	Idle/Inactive measurements / Inactive mode / RRCRelease configuration / Measurement of NR cells	Rel-16	C192	UEs supporting 5GC Core and RRC_INACTIVE and Idle/Inactive Measurements
8.1.5.13	**Small Data Transmission**			
8.1.5.13.1	RRC SDT/CG based SDT/Success	Rel-17	C269	UEs supporting 5GC Core and SDT via Configured Grant Type 1 in RRC_INACTIVE state

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.1.5.13.2	RRC SDT / CG based SDT ongoing / Data on non-SDT Radio Bearers	Rel-17	C269	UEs supporting 5G Core and SDT via Configured Grant Type 1 in RRC_INACTIVE state
8.1.5.13.3	RRC SDT / CG based SDT / SDT-SRB2-Indication	Rel-17	C270	UEs supporting 5G Core and SRB SDT and SDT via Configured Grant Type 1 in RRC_INACTIVE state
8.1.6	**SON and MDT support for NR**			
8.1.6.1	**Intra NR MDT**			
8.1.6.1.1	**Immediate MDT**			
8.1.6.1.1.1	Immediate MDT / Measurement reporting / Location information	Rel-16	C126	UEs supporting 5G Core and equipped with a GNSS or A-GNSS receiver to provide detailed location information
8.1.6.1.1.2	Immediate MDT / Measurement / Latency metrics for UL PDCP Packet Delay per DRB	Rel-16	C122	UEs supporting 5G Core and UL PDCP Packet Delay per DRB
8.1.6.1.2	**Logged MDT**			
8.1.6.1.2.1	Logged MDT / RRC_IDLE / Logging and reporting / Intra-frequency measurement	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.2	Logged MDT / RRC_INACTIVE / Logging and reporting / Inter-frequency measurement	Rel-16	C125	UEs supporting 5G core and RRC_INACTIVE and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.3	Logged MDT / RRC_IDLE / Logging and reporting / Limiting area scope	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.4	logged MDT/ RRC_IDLE / Logging and reporting / periodic measurement trigger	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.5	logged MDT/ RRC_IDLE / Logging and reporting / event-based trigger	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.6	logged MDT/ RRC_IDLE / Logging and reporting / event-based trigger / out-of-coverage	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.7	Logged MDT / RRC_IDLE / Logging and reporting / Reporting at NR re-establishment	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.8	Logged MDT / Logging and reporting / Reporting at RRC reconfiguration	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.9	Logged MDT / Location information	Rel-16	C124	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE and equipped with a GNSS receiver to provide detailed location information.
8.1.6.1.2.10	Logged MDT / Maintaining logged measurement configuration / UE mobility	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.11	Logged MDT / Maintaining logged measurement configuration / UE state transitions	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.12	Logged MDT / Release of logged MDT measurement configuration / Expire of duration timer	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.13	Logged MDT / Release of logged MDT measurement configuration / Reception of new logged measurement configuration	Rel-16	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.2.14	Logged MDT / RRC_IDLE / Logging and reporting / IDC mechanism	Rel-17	C266	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE and IDC mechanism
8.1.6.1.2.15	Logged MDT / RRC_IDLE / early measurements	Rel-17	C267	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE and early measurements
8.1.6.1.2.16	Logged MDT / RRC_IDLE / sig-based logged MDT	Rel-17	C123	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.1.3	**Radio Link Failure report**			
8.1.6.1.3.1	Radio Link Failure / Reporting of Intra-frequency measurements	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.3.2	Radio Link Failure / Reporting of Inter-frequency measurements	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.3.3	Radio Link Failure / Reporting at RRC connection establishment and reestablishment	Rel-16	C21	UEs supporting 5G Core

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.1.6.1.3.4	Radio Link Failure / Reporting at NR handover	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.3.5	Radio Link Failure / Location information	Rel-16	C126	UEs supporting 5G Core and equipped with a GNSS or A-GNSS receiver to provide detailed location information
8.1.6.1.3.6	Radio Link Failure / RACH failure report	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.3.7	Radio Link Failure / Logging and reporting / Reporting at intra NR handover / PLMN list	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.3.8	Radio Link Failure / Logging and reporting / Event A3 / CHO	Rel-17	C301	UEs supporting 5G Core and RLF-Report for conditional handover
8.1.6.1.3.9	Radio Link Failure / Logging and reporting / Event A5 / CHO	Rel-17	C301	UEs supporting 5G Core and RLF-Report for conditional handover
8.1.6.1.3.10	Radio Link Failure / Logging and reporting / DAPS HO	Rel-17	C302	UEs supporting 5G Core and RLF-Report for DAPS handover.
8.1.6.1.3.11	Radio Link Failure / Logging and reporting / Successful Handovers Reports	Rel-17	C303	UEs supporting 5G Core and the storage and delivery of Successful Handover Report.
8.1.6.1.4	**Connection Establishment Failure**			
8.1.6.1.4.1	Connection Establishment Failure / Logging and reporting / T300 expiry	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.4.2	Connection Establishment Failure / Logging and reporting / RRC Resume	Rel-16	C109	UEs supporting 5G Core and RRC_INACTIVE.
8.1.6.1.4.3	Connection Establishment Failure / Logging and reporting / Reporting at intra-NR handover	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.4.4	Connection Establishment Failure / Logging and reporting / Reporting at RRC connection re-establishment	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.4.5	Connection Establishment Failure / Logging and reporting / Location Information	Rel-16	C126	UEs supporting 5G Core and equipped with a GNSS or A-GNSS receiver to provide detailed location information.
8.1.6.1.4.6	Connection Establishment Failure / Logging and reporting / Reporting of Intra-frequency measurements	Rel-16	C21	UEs supporting 5G Core.
8.1.6.1.4.7	Connection Establishment Failure / Logging and reporting / Reporting of Inter-frequency measurements	Rel-16	C21	UEs supporting 5G Core
8.1.6.1.4.8	Connection Establishment Failure / Logging and reporting / RACH failure report	Rel-16	C136	UEs supporting 5G Core and delivery of rachReport upon request from the network
8.1.6.1.4.9	Connection Establishment Failure / Logging and reporting / T300 expiry / Multiple CEF reports	Rel-17	C250	UEs supporting 5G Core and storage and delivery of multiple CEF report upon request from the network
8.1.6.2	**Inter-RAT MDT**			
8.1.6.2.1	Inter-RAT MDT / Immediate MDT / Periodic reporting of E-UTRAN/ Location information	Rel-16	C143	UEs supporting 5G Core and E-UTRA and standalone GNSS receiver to provide detailed location information
8.1.6.2.2	Inter-RAT MDT / Logged MDT / E-UTRA Inter-RAT measurement, logging and reporting	Rel-16	C144	UEs supporting 5G Core and E-UTRA and logged measurements in RRC_IDLE and RRC_INACTIVE
8.1.6.2.3	Inter-RAT MDT / Radio Link Failure / Reporting at E-UTRA Inter-RAT handover	Rel-16	C32a	UEs supporting 5G Core and E-UTRA and logged MDTa
8.1.6.2.4	Inter-RAT MDT / Connection Establishment Failure / Logging and reporting / Reporting of E-UTRA measurement	Rel-16	C32a	UEs supporting 5G Core and E-UTRA and logged MDT
8.1.6.3	**Inter-System MDT**			
8.1.6.3.1	**Inter-System MDT / Immediate MDT**			
8.1.6.3.1.1	Inter-System MDT / Immediate MDT / Measurement reporting / Bluetooth measurement collection	Rel-16	C140	UEs supporting 5G core and Bluetooth Measurement Collection in Immediate MDT
8.1.6.3.1.2	Inter-System MDT / Immediate MDT / Measurement reporting / WLAN measurement collection	Rel-16	C141	UEs supporting 5G core and WLAN Measurement Collection in Immediate MDT
8.1.6.3.1.3	Inter-System MDT / Immediate MDT / Measurement reporting / Sensor measurement collection	Rel-16	C139	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355.
8.1.6.3.2	**Inter-System MDT / Logged MDT**			
8.1.6.3.2.1	Inter-System MDT / Logged MDT / Logging and reporting / Bluetooth measurement collection	Rel-16	C137	UEs supporting 5G Core and Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state Editor's note: shall add "and logged MDT."
8.1.6.3.2.2	Inter-System MDT / Logged MDT / Logging and reporting / WLAN measurement collection	Rel-16	C138	UEs supporting 5G Core and WLAN measurements in RRC_IDLE and RRC_INACTIVE state

Clause	TC Title	Release	Applicability Condition	Applicability Comment
				Editor's note: shall add "and logged MDT."
8.1.6.3.2.3	Inter-System MDT / Logged MDT / Logging and reporting / Sensor measurement collection	Rel-16	C139 Editor's note: shall be C139a	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355. Editor's note: shall add "and logged MDT."
8.1.6.3.3	**Inter-System MDT / Radio Link Failure**			
8.1.6.3.3.1	Inter-System MDT / Radio Link Failure / Logging and reporting / Bluetooth measurement collection	Rel-16	C137	UEs supporting 5G Core and Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state Editor's note: shall add "and logged MDT."
8.1.6.3.3.2	Inter-System MDT / Radio Link Failure / Logging and reporting / WLAN measurement collection	Rel-16	C138	UEs supporting 5G Core and WLAN measurements in RRC_IDLE and RRC_INACTIVE state Editor's note: shall add "and logged MDT."
8.1.6.3.3.3	Inter-System MDT / Radio Link Failure / Logging and reporting / Sensor measurement collection	Rel-16	C139 Editor's note: shall be C139a	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355. Editor's note: shall add "and logged MDT."
8.1.6.3.4	**Inter-System MDT / Connection Establishment Failure**			
8.1.6.3.4.1	Inter-System MDT / Connection Establishment Failure / Logging and reporting / Bluetooth measurement collection	Rel-16	C137	UEs supporting 5G Core and Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state Editor's note: shall add "and logged MDT."
8.1.6.3.4.2	Inter-System MDT / Connection Establishment Failure / Logging and reporting / WLAN measurement collection	Rel-16	C138	UEs supporting 5G Core and WLAN measurements in RRC_IDLE and RRC_INACTIVE state Editor's note: shall add "and logged MDT."
8.1.6.3.4.3	Inter-System MDT / Connection Establishment Failure / Logging and reporting / Sensor measurement collection	Rel-16	C139 Editor's note: shall be C139a	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355. Editor's note: shall add "and logged MDT."
8.1.7	**Non-public networks**			
8.1.7.1	**Measurement for self-optimized networks**			
8.1.7.1.1	Measurement configuration control and reporting / CGI reporting of NR NPN cell	Rel-16	C169	UEs supporting 5G Core and CAG and acquisition of CGI information from neighbour NR NPN cell
8.1.6.4	**SON / RACH Optimisation**			
8.1.6.4.1	SON / RACH logging and reporting	Rel-16	C136	UEs supporting 5G Core and delivery of rachReport upon request from the network.
8.1.6.4.2	SON / RACH logging and reporting / logging of on-demand SI	Rel-17	C278	UEs supporting 5G Core and delivery of on-Demand SI information upon request from the network.
8.1.6.4.3	SON / RACH logging and reporting / 2-step RACH report	Rel-17	C279	UEs supporting 5G Core and delivery of delivery of 2-step RACH related information upon request from the network.
8.1.6.4.4	SON / RACH logging and reporting / fallback to 4-step RA	Rel-17	C279	UEs supporting 5G Core and delivery of delivery of 2-step RACH related information upon request from the network.
8.1.8	**Shared spectrum access**			
8.1.8.1	**Measurement configuration control and reporting for Shared spectrum**			
8.1.8.1.1	Measurement configuration control and reporting for Shared spectrum / RMTC / RSSI measurements / Channel Occupancy reporting / intra-frequency	Rel-16	C218	UEs supporting 5G Core and NR standalone shared spectrum channel access and RSSI measurements and channel occupancy reporting
8.1.8.1.2	Measurement configuration control and reporting for Shared spectrum / RMTC / RSSI measurements / Channel Occupancy reporting / inter-frequency	Rel-16	C218	UEs supporting 5G Core and NR standalone shared spectrum channel access and RSSI measurements and channel occupancy reporting
8.1.8.2	**Paging monitoring**			
8.1.8.2.1	Paging monitoring / multiple PDCCH monitoring occasions / Short message indication / stopPagingMonitoring	Rel-16	C217	UEs supporting 5G Core and NR standalone shared spectrum channel access
8.1.8.2.2	Paging monitoring / multiple PDCCH monitoring occasions / Short message indication / stopPagingMonitoring / RRC inactive	Rel-16	C247	UEs supporting 5G Core and NR standalone shared spectrum channel access and RRC_INACTIVE
8.1.6.3	**Inter-System MDT**			
8.1.6.3.1	**Inter-System MDT / Immediate MDT**			

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.1.6.3.1.1	Inter-System MDT / Immediate MDT / Measurement reporting / Bluetooth measurement collection	Rel-16	C140	UEs supporting 5G core and Bluetooth Measurement Collection in Immediate MDT
8.1.6.3.1.2	Inter-System MDT / Immediate MDT / Measurement reporting / WLAN measurement collection	Rel-16	C141	UEs supporting 5G core and WLAN Measurement Collection in Immediate MDT
8.1.6.3.1.3	Inter-System MDT / Immediate MDT / Measurement reporting / Sensor measurement collection	Rel-16	C139	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355.
8.1.6.3.2	**Inter-System MDT / Logged MDT**			
8.1.6.3.2.1	Inter-System MDT / Logged MDT / Logging and reporting / Bluetooth measurement collection	Rel-16	C137	UEs supporting 5G Core and logged MDT and Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state
8.1.6.3.2.2	Inter-System MDT / Logged MDT / Logging and reporting / WLAN measurement collection	Rel-16	C138	UEs supporting 5G Core and logged MDT and WLAN measurements in RRC_IDLE and RRC_INACTIVE state
8.1.6.3.2.3	Inter-System MDT / Logged MDT / Logging and reporting / Sensor measurement collection	Rel-16	C139a	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355 and logged MDT.
8.1.6.3.3	**Inter-System MDT / Radio Link Failure**			
8.1.6.3.3.1	Inter-System MDT / Radio Link Failure / Logging and reporting / Bluetooth measurement collection	Rel-16	C137	UEs supporting 5G Core and logged MDT and Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state
8.1.6.3.3.2	Inter-System MDT / Radio Link Failure / Logging and reporting / WLAN measurement collection	Rel-16	C138	UEs supporting 5G Core and logged MDT and WLAN measurements in RRC_IDLE and RRC_INACTIVE state
8.1.6.3.3.3	Inter-System MDT / Radio Link Failure / Logging and reporting / Sensor measurement collection	Rel-16	C139a	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355 and logged MDT.
8.1.6.3.4	**Inter-System MDT / Connection Establishment Failure**			
8.1.6.3.4.1	Inter-System MDT / Connection Establishment Failure / Logging and reporting / Bluetooth measurement collection	Rel-16	C137	UEs supporting 5G Core and logged MDT and Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state
8.1.6.3.4.2	Inter-System MDT / Connection Establishment Failure / Logging and reporting / WLAN measurement collection	Rel-16	C138	UEs supporting 5G Core and logged MDT and WLAN measurements in RRC_IDLE and RRC_INACTIVE state
8.1.6.3.4.3	Inter-System MDT / Connection Establishment Failure / Logging and reporting / Sensor measurement collection	Rel-16	C139a	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355 and logged MDT.
8.1.7	**Non-public networks**			
8.1.7.1	**Measurement for self-optimized networks**			
8.1.7.1.1	Measurement configuration control and reporting / CGI reporting of NR NPN cell	Rel-16	C169	UEs supporting 5G Core and CAG and acquisition of CGI information from neighbour NR NPN cell
8.1.6.4	**SON / RACH Optimisation**			
8.1.6.4.1	SON / RACH logging and reporting	Rel-16	C136	UEs supporting 5G Core and delivery of rachReport upon request from the network.
8.1.6.4.2	SON / RACH logging and reporting / logging of on-demand SI	Rel-17	C278	UEs supporting 5G Core and delivery of on-Demand SI information upon request from the network.
8.1.6.4.3	SON / RACH logging and reporting / 2-step RACH report	Rel-17	C279	UEs supporting 5G Core and delivery of delivery of 2-step RACH related information upon request from the network.
8.1.6.4.4	SON / RACH logging and reporting / fallback to 4-step RA	Rel-17	C279	UEs supporting 5G Core and delivery of delivery of 2-step RACH related information upon request from the network.
8.1.8	**Shared spectrum access**			
8.1.8.1	**Measurement configuration control and reporting for Shared spectrum**			
8.1.8.1.1	Measurement configuration control and reporting for Shared spectrum / RMTC / RSSI measurements / Channel Occupancy reporting / intra-frequency	Rel-16	C218	UEs supporting 5G Core and NR standalone shared spectrum channel access and RSSI measurements and channel occupancy reporting
8.1.8.1.2	Measurement configuration control and reporting for Shared spectrum / RMTC / RSSI measurements / Channel Occupancy reporting / inter-frequency	Rel-16	C218	UEs supporting 5G Core and NR standalone shared spectrum channel access and RSSI measurements and channel occupancy reporting

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.1.8.2	**Paging monitoring**			
8.1.8.2.1	Paging monitoring / multiple PDCCH monitoring occasions / Short message indication / stopPagingMonitoring	Rel-16	C217	UEs supporting 5G Core and NR standalone shared spectrum channel access
8.1.8.2.2	Paging monitoring / multiple PDCCH monitoring occasions / Short message indication / stopPagingMonitoring / RRC inactive	Rel-16	C247	UEs supporting 5G Core and NR standalone shared spectrum channel access and RRC_INACTIVE
8.2	**MR-DC RRC**			
8.2.1	**UE Capability**			
8.2.1.1	**UE capability transfer / Success**			
8.2.1.1.1	UE capability transfer / Success / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.1.1.2	UE capability transfer / Success / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.1.2	Void			
8.2.2	**Radio Bearer Addition, Modification and Release**			
8.2.2.1	**Radio Bearer Addition, Modification and Release / SRB**			
8.2.2.1.1	SRB3 Establishment, Reconfiguration and Release / NR addition, modification and release / EN-DC	Rel-15	C22	UEs supporting EN-DC and SRB3
8.2.2.1.2	SRB3 Establishment, Reconfiguration and Release / NR addition, modification and release / NR-DC	Rel-15	C86	UEs supporting NR-DC and SRB3
8.2.2.2	**Split SRB Establishment and Release**			
8.2.2.2.1	Split SRB Establishment and Release / EN-DC	Rel-15	C61	UEs supporting EN-DC and PDCP duplication over split SRB1/2
8.2.2.2.2	Split SRB Establishment and Release / NR-DC	Rel-15	C195	UEs supporting NR-DC and PDCP duplication over split SRB1/2
8.2.2.2.3	Split SRB Establishment and Release / NE-DC	Rel-15	C196	UEs supporting NE-DC and PDCP duplication over split SRB1/2
8.2.2.3	**Simultaneous SRB3 and Split SRB / Sequential message flow on SRB3 and Split SRB**			
8.2.2.3.1	Simultaneous SRB3 and Split SRB / Sequential message flow on SRB3 and Split SRB with one UL path / EN-DC	Rel-15	C23	UEs supporting EN-DC and SRB3 and (UL transmission via either MCG path or SCG path for the split SRB)
8.2.2.3.2	Simultaneous SRB3 and Split SRB / Sequential message flow on SRB3 and Split SRB with one UL path / NR-DC	Rel-15	C157	UEs supporting NR-DC and SRB3 and (UL transmission via either MCG path or SCG path for the split SRB)
8.2.2.4	**PSCell Addition, Modification and Release / SCG DRB**			
8.2.2.4.1	PSCell addition, modification and release / SCG DRB / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.2.4.2	PSCell addition, modification and release / SCG DRB / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.2.4.3	PSCell addition, modification and release / SCG DRB / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.2.5	**PSCell Addition, Modification and Release / Split DRB**			
8.2.2.5.1	PSCell addition, modification and release / Split DRB / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.2.5.2	PSCell addition, modification and release / Split DRB / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.2.5.3	PSCell addition, modification and release / Split DRB / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.2.6	**Bearer Modification / MCG DRB**			
8.2.2.6.1	Bearer Modification / MCG DRB / SRB / PDCP version change / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.2.7	**Bearer Modification / Handling for bearer type change without security key change**			
8.2.2.7.1	Bearer Modification / Handling for bearer type change without security key change / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.2.7.2	Bearer Modification / Handling for bearer type change without security key change / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.2.7.3	Bearer Modification / Handling for bearer type change without security key change / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.2.8	**Bearer Modification / Handling for bearer type change with security key change**			
8.2.2.8.1	Bearer Modification / Handling for bearer type change with security key change / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.2.8.2	Bearer Modification / Handling for bearer type change with security key change / NR-DC	Rel-15	C80	UEs supporting NR-DC

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.2.2.8.3	Bearer Modification / Handling for bearer type change with security key change / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.2.9	**Bearer Modification / Uplink data path / Split DRB Reconfiguration**			
8.2.2.9.1	Bearer Modification / Uplink data path / Split DRB Reconfiguration / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.2.9.2	Bearer Modification / Uplink data path / Split DRB Reconfiguration / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.2.9.3	Bearer Modification / Uplink data path / Split DRB Reconfiguration / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.3	**Measurement Configuration Control and Reporting / Handovers**			
8.2.3.1	**Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / Measurement of NR cells**			
8.2.3.1.1	Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / Measurement of NR cells / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.3.1.2	Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / Measurement of NR cells / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.3.2	**Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / Measurement of NR cells / RSRQ based measurements**			

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.2.3.2.1	Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / Measurement of NR cells / RSRQ based measurements / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.3.2.2	Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / Measurement of NR cells / RSRQ based measurements / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.3.3	**Measurement configuration control and reporting / Inter-RAT measurements / Periodic reporting / Measurement of NR cells**			
8.2.3.3.1	Measurement configuration control and reporting / Inter-RAT measurements / Periodic reporting / Measurement of NR cells / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.3.4	**Measurement configuration control and reporting / Event A1 / Measurement of NR PSCell**			
8.2.3.4.1	Measurement configuration control and reporting / Event A1 / Measurement of NR PSCell / EN-DC	Rel-15	C13	UEs supporting EN-DC and NR measurements and Event A triggered reporting
8.2.3.4.2	Measurement configuration control and reporting / Event A1 / Measurement of E-UTRA PSCell / NE-DC	Rel-15	C160	UEs supporting NE-DC.
8.2.3.5	**Measurement configuration control and reporting / Event A2 / Measurement of NR PSCell**			
8.2.3.5.1	Measurement configuration control and reporting / Event A2 / Measurement of NR PSCell / EN-DC	Rel-15	C14	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and NR-Inter frequency measurements and at least periodical reporting)
8.2.3.5.2	Measurement configuration control and reporting / Event A2 / Measurement of E-UTRA PSCell / NE-DC	Rel-15	C160	UEs supporting NE-DC.
8.2.3.6	**Measurement configuration control and reporting / Event A3 / Measurement of Neighbour NR cells**			
8.2.3.6.1	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour NR cells / Intra-frequency measurements / EN-DC	Rel-15	C14	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting)
8.2.3.6.1a	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour NR cell / Inter-frequency measurements / EN-DC	Rel-15	C14	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting)
8.2.3.6.1b	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour NR cell / Inter-band measurements / EN-DC	Rel-15	C93	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and NR-Inter frequency measurements and at least periodical reporting) and multiple NR bands.
8.2.3.6.2	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour E-UTRA and NR cells / Intra-frequency measurements / NE-DC	Rel-15	C182	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting).
8.2.3.6.2a	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour E-UTRA and NR cell / Inter-frequency measurements / NE-DC	Rel-15	C182	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and multiple NR bands.
8.2.3.6.2b	Measurement configuration control and reporting / Event A3 / Measurement of Neighbour E-UTRA and NR cell / Inter-band measurements / NE-DC	Rel-15	C183	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and multiple NR bands.
8.2.3.7	**Measurement configuration control and reporting / Event A4 (intra-frequency, inter-frequency and inter-band measurements) / Measurement of Neighbour NR cell**			
8.2.3.7.1	Measurement configuration control and reporting / Event A4 / Measurement of Neighbour NR cell / Intra-frequency measurements / EN-DC	Rel-15	C14	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting)

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.2.3.7.1a	Measurement configuration control and reporting / Event A4 / Measurement of Neighbour NR cell / Inter-frequency measurements / EN-DC	Rel-15	C14	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting)
8.2.3.7.1b	Measurement configuration control and reporting / Event A4 / Measurement of Neighbour NR cell / Inter-band measurements / EN-DC	Rel-15	C93	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and NR-Inter frequency measurements and at least periodical reporting) and multiple NR bands.
8.2.3.7.2	Measurement configuration control and reporting / Event A4 / Measurement of Neighbour E-UTRA and NR cells / Intra-frequency measurements / NE-DC	Rel-15	C182	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting).
8.2.3.7.2a	Measurement configuration control and reporting / Event A4 / Measurement of Neighbor E-UTRA and NR cells / Inter-frequency measurements / NE-DC	Rel-15	C182	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting)
8.2.3.7.2b	Measurement configuration control and reporting / Event A4 / Measurement of Neighbor E-UTRA and NR cells / Inter-band measurements / NE-DC	Rel-15	C183	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and multiple NR bands.
8.2.3.8	**Measurement configuration control and reporting / Event A5 / Measurement of Neighbour NR cell**			
8.2.3.8.1	Measurement configuration control and reporting / Event A5 / Measurement of Neighbour NR cell / Intra-frequency measurements / EN-DC	Rel-15	C14	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting)
8.2.3.8.1a	Measurement configuration control and reporting / Event A5 / Measurement of Neighbour NR cell / Inter-frequency measurements / EN-DC	Rel-15	C14	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting)
8.2.3.8.1b	Measurement configuration control and reporting / Event A5 / Measurement of Neighbour NR cell / Inter-band measurements / EN-DC	Rel-15	C93	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and NR-Inter frequency measurements and at least periodical reporting) and multiple NR bands.
8.2.3.8.2	Measurement configuration control and reporting / Event A5 / Measurement of Neighbour E-UTRA and NR cells / Intra-frequency measurements / NE-DC	Rel-15	C182	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting).
8.2.3.8.2a	Measurement configuration control and reporting / Event A5 / Measurement of Neighbor E-UTRA and NR cells / Inter-frequency measurements / NE-DC	Rel-15	C182	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting)
8.2.3.8.2b	Measurement configuration control and reporting / Event A5 / Measurement of Neighbor E-UTRA and NR cells / Inter-band measurements / NE-DC	Rel-15	C183	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and multiple NR bands.
8.2.3.9	**Measurement configuration control and reporting / SS/PBCH block based / CSI-RS based intra-frequency measurements / Measurement of Neighbour NR cell**			
8.2.3.9.1	Measurement configuration control and reporting / SS/PBCH block based / CSI-RS based intra-frequency measurements / Measurement of Neighbour NR Cell / EN-DC	Rel-15	C15	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and Inter frequency measurements and at least periodical reporting) and CSI-RSRP and CSI-RSRQ measurement
8.2.3.10	**Measurement configuration control and reporting / SS/PBCH block based / CSI-RS based inter-frequency measurements / Measurement of Neighbour NR cell**			
8.2.3.10.1	Measurement configuration control and reporting / SS/PBCH block based / CSI-RS based inter-frequency measurements / Measurement of Neighbour NR Cell / EN-DC	Rel-15	C15	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and Inter frequency measurements) and CSI-RSRP and CSI-RSRQ measurement
8.2.3.11	**Measurement configuration control and reporting / Measurement Gaps**			
8.2.3.11.1	Measurement configuration control and reporting / Measurement Gaps / NR FR1 / EN-DC	Rel-15	C24	UEs supporting EN-DC and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and (two independent

Clause	TC Title	Release	Applicability Condition	Applicability Comment
				measurement gap configurations for FR1 and FR2) and Inter-Band EN-DC within FR1
8.2.3.11.2	Measurement configuration control and reporting / Measurement Gaps / NR FR2 / EN-DC	Rel-15	C25	UEs supporting EN-DC and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and (two independent measurement gap configurations for FR1 and FR2) and Inter-Band EN-DC including FR2
8.2.3.11.3	Measurement configuration control and reporting / Measurement Gaps / NR-DC	Rel-15	C149	UEs supporting NR-DC and two independent measurement gap configurations for FR1 and FR2
8.2.3.12	**Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of NR cells**			
8.2.3.12.1	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of NR cells / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.3.12.2	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of E-UTRA cells / NE-DC	Rel-15	C206	UEs supporting NE-DC and Inter-RAT E-UTRA measurements and Event B triggered reporting
8.2.3.13	**PCell Handover with SCG change / Reconfiguration with sync / SCG DRB**			
8.2.3.13.1	PCell Handover with SCG change / Reconfiguration with sync / SCG DRB / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.3.13.2	PCell Handover with SCG change on same PSCell / mobilityControlInfoSCG / SCG DRB / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.3.14	**SCG change / Reconfiguration with sync / Split DRB**			
8.2.3.14.1	SCG change / Reconfiguration with sync / Split DRB / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.3.14.2	SCG change / Reconfiguration with sync / Split DRB / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.3.14.3	SCG change with HO /mobilityControlInfoSCG / Split DRB / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.3.15	**Measurement configuration control and reporting / Two simultaneous events A2 and A3 (intra-frequency measurements) / Measurement of Neighbour NR cells**			
8.2.3.15.1	Measurement configuration control and reporting / Two simultaneous events A2 and A3 (intra-frequency measurements) / Measurement of Neighbour NR cells / EN-DC	Rel-15	C14	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and NR-Inter frequency measurements and at least periodical reporting)
8.2.3.16	**Measurement configuration control and reporting / SRB3**			
8.2.3.16.1	Measurement configuration control and reporting / SRB3 / Intra NR measurements / EN-DC	Rel-15	C71	UEs supporting EN-DC and SRB3 and NR intra-frequency and inter-frequency measurements and at least periodical reporting
8.2.3.16.2	Measurement configuration control and reporting / SRB3 / Intra NR measurements / NR-DC	Rel-15	C87	UEs supporting NR-DC and SRB3 and NR intra-frequency and inter-frequency measurements and at least periodical reporting
8.2.3.17	**Measurement configuration control and reporting / SFTD**			
8.2.3.17.1	Measurement configuration control and reporting / SFTD / EN-DC	Rel-15	C151	UEs supporting EN-DC and SFTD measurement between E-UTRA PCell and an NR neighbour cell, and SFTD measurement between E-UTRA PCell and NR PSCell
8.2.3.17.2	Measurement configuration control and reporting / SFTD / NR-DC	Rel-15	C152	UEs supporting NR-DC and SFTD measurement between NR PCell and an NR neighbour cell, and SFTD measurement between NR PCell and NR PSCell
8.2.3.17.3	Measurement configuration control and reporting / SFTD / NE-DC	Rel-15	C268	UEs supporting NE-DC and SFTD measurement between NR PCell and E-UTRA PSCell
8.2.3.18	**Conditional PSCell change**			
8.2.3.18.1	Conditional PSCell change / Success / EN-DC	Rel-16	C153	UEs supporting EN-DC and Conditional PSCell change
8.2.3.18.2	Conditional PSCell change / Failure / EN-DC	Rel-16	C153	UEs supporting EN-DC and Conditional PSCell change
8.2.3.18.3	Conditional PSCell change / PCell change / PSCell change / EN-DC	Rel-16	C153	UEs supporting EN-DC and Conditional PSCell change
8.2.4	**Carrier Aggregation**			
8.2.4.1	**NR CA / NR SCell addition / modification / release / Success**			

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8.2.4.1.1	**NR CA / NR SCell addition / modification / release / Success / EN-DC**			
8.2.4.1.1.1	NR CA / NR SCell addition / modification / release / Success / EN-DC / Intra-band Contiguous CA	Rel-15	C67	UEs supporting EN-DC and Intra-Band Contiguous CA
8.2.4.1.1.2	NR CA / NR SCell addition / modification / release / Success / EN-DC / Intra-band non-Contiguous CA	Rel-15	C68	UEs supporting EN-DC and Intra-Band Non-Contiguous CA
8.2.4.1.1.3	NR CA / NR SCell addition / modification / release / Success / EN-DC / Inter-band CA	Rel-15	C69	UEs supporting EN-DC and Inter-Band CA
8.2.4.1.1.4	NR CA / NR SCell addition / modification / release / Success / EN-DC / Active SCG SCell addition / Intra-band Contiguous CA	Rel-16	C199	UEs supporting EN-DC, direct NR SCG SCell activation and Intra-Band Contiguous CA
8.2.4.1.1.5	NR CA / NR SCell addition / modification / release / Success / EN-DC / Active SCG SCell addition / Intra-band non-Contiguous CA	Rel-16	C200	UEs supporting EN-DC, direct NR SCG SCell activation and Intra-Band Non-Contiguous CA
8.2.4.1.1.6	NR CA / NR SCell addition / modification / release / Success / EN-DC / Active SCG SCell addition / Inter-band CA	Rel-16	C201	UEs supporting EN-DC, direct NR SCG SCell activation and Inter-Band CA
8.2.4.1.2	**NR CA / NR SCell addition / modification / release / Success / NR-DC / Active SCG SCell addition**			
8.2.4.1.2.1	NR CA / NR SCell addition / modification / release / Success / NR-DC / Active SCG SCell addition / Intra-band Contiguous CA	Rel-16	C202	UEs supporting NR-DC, direct NR SCG SCell activation and intra-band contiguous CA
8.2.4.1.2.2	NR CA / NR SCell addition / modification / release / Success / NR-DC / Active SCG SCell addition / Intra-band non-contiguous CA	Rel-16	C203	UEs supporting NR-DC, direct NR SCG SCell activation and intra-band non-contiguous CA
8.2.4.1.2.3	NR CA / NR SCell addition / modification / release / Success / NR-DC / Active SCG SCell addition / Inter-band CA	Rel-16	C204	UEs supporting NR-DC, direct NR SCG SCell activation and inter-band CA
8.2.4.2	**NR CA / Simultaneous PSCell and SCell addition / PSCell and SCell change / CA Release**			
8.2.4.2.1	**NR CA / Simultaneous PSCell and SCell addition / PSCell and SCell change / CA Release / EN-DC**			
8.2.4.2.1.1	NR CA / Simultaneous PSCell and SCell addition / PSCell and SCell change / CA Release / EN-DC / Intra-band Contiguous CA	Rel-15	C67	UEs supporting EN-DC and Intra-Band Contiguous CA
8.2.4.2.1.2	NR CA / Simultaneous PSCell and SCell addition / PSCell and SCell change / CA Release / EN-DC / Intra-band non-Contiguous CA	Rel-15	C68	UEs supporting EN-DC and Intra-Band Non-Contiguous CA
8.2.4.2.1.3	NR CA / Simultaneous PSCell and SCell addition / PSCell and SCell change / CA Release / EN-DC / Inter-band CA	Rel-15	C69	UEs supporting EN-DC and Inter-Band CA
8.2.4.3	**NR CA / SCell change / Intra-NR measurement event A6 / SRB3**			
8.2.4.3.1	**NR CA / SCell change / Intra-NR measurement event A6 / SRB3 / EN-DC**			
8.2.4.3.1.1	NR CA / SCell change / Intra-NR measurement event A6 / SRB3 / EN-DC / Intra-band Contiguous CA	Rel-15	C55	UEs supporting EN-DC and NR measurements and Event A triggered reporting and intra-band contiguous CA and SRB3
8.2.4.3.1.2	NR CA / SCell change / Intra-NR measurement event A6 / SRB3 / EN-DC / Intra-band non-Contiguous CA	Rel-15	C57	UEs supporting EN-DC and NR measurements and Event A triggered reporting and intra-band non-contiguous CA and SRB3
8.2.4.3.1.3	NR CA / SCell change / Intra-NR measurement event A6 / SRB3 / EN-DC / Inter-band CA	Rel-15	C56	UEs supporting EN-DC and NR measurements and Event A triggered reporting and inter-band CA and SRB3
8.2.5	**Reconfiguration Failure / Radio link failure**			
8.2.5.1	**Radio link failure / PSCell addition failure**			
8.2.5.1.1	Radio link failure / Random access problem / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.5.1.2	Radio link failure / Random access problem / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.5.2	**Radio link failure / PSCell out of sync indication**			
8.2.5.2.1	Radio link failure / PSCell out of sync indication / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.5.2.2	Radio link failure / PSCell out of sync indication / NR-DC	Rel-15	C80	UEs supporting NR-DC

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.2.5.3	**Radio link failure / rlc-MaxNumRetx failure**			
8.2.5.3.1	Radio link failure / rlc-MaxNumRetx failure / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.5.3.2	Radio link failure / rlc-MaxNumRetx failure / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.5.3.3	Radio link failure / rlc-MaxNumRetx failure / NE-DC	Rel-15	C160	UEs supporting NE-DC
8.2.5.4	**Reconfiguration failure / SCG change failure**			
8.2.5.4.1	Reconfiguration failure / SCG change failure / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.5.4.2	Reconfiguration failure / SCG change failure / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.5.5	**Reconfiguration failure / SCG Reconfiguration failure / SRB3**			
8.2.5.5.1	Void			
8.2.5.6	**Reconfiguration failure / SCG Reconfiguration failure / SRB1**			
8.2.5.6.1	Void			
8.2.5.7	**Radio link failure / Shared spectrum / LBT Failure**			
8.2.5.7.1	Radio link failure / LBT Failure / EN-DC	Rel-16	C243	UEs supporting 5G Core and EN-DC with NR shared spectrum channel access
8.2.5.7.2	Radio link failure / LBT Failure / NR-DC	Rel-16	C244	UEs supporting 5G Core and NR-DC with NR shared spectrum channel access
8.2.6	**MR-DC RRC others**			
8.2.6.1	**Failure information / RLC failure / SCG**			
8.2.6.1.1	**Failure information / RLC failure / SCG / EN-DC**			
8.2.6.1.1.1	Failure information / RLC failure / SCG / EN-DC / Intra-band Contiguous CA	Rel-15	C75	UEs supporting EN-DC and SRB3 and intra-band contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and EN-DC with 2 NR UL carriers
8.2.6.1.1.2	Failure information / RLC failure / SCG / EN-DC / Inter-band CA	Rel-15	C76	UEs supporting EN-DC and SRB3 and inter-band CA and CA-based PDCP duplication over MCG or SCG DRB and EN-DC with 2 NR UL carriers
8.2.6.1.1.3	Failure information / RLC failure / SCG / EN-DC / Intra-band non Contiguous CA	Rel-15	C77	UEs supporting EN-DC and SRB3 and intra-band non-contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and EN-DC with 2 NR UL carriers
8.2.6.1.2	**Failure information / RLC failure / SCG / NR-DC**			
8.2.6.1.2.1	Failure information / RLC failure / SCG / NR-DC / Intra-band Contiguous CA	Rel-15	C88	UEs supporting NR-DC and SRB3 and intra-band contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
8.2.6.1.2.2	Failure information / RLC failure / SCG / NR-DC / Inter-band CA	Rel-15	C89	UEs supporting NR-DC and SRB3 and inter-band CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
8.2.6.1.2.3	Failure information / RLC failure / SCG / NR-DC / Intra-band non Contiguous CA	Rel-15	C90	UEs supporting NR-DC and SRB3 and intra-band non-contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
8.2.6.2	**Processing delay**			
8.2.6.2.1	Processing delay / PSCell addition / SCG DRB / Success / Latency check / EN-DC	Rel-15	C01	UEs supporting EN-DC
8.2.6.2.2	Processing delay / Latency check / NR-DC	Rel-15	C80	UEs supporting NR-DC
8.2.6.2.4	Processing delay / RRC_INACTIVE / Latency check / NR-DC	Rel-16	C229	UEs supporting 5G Core and NR-DC and RRC_INACTIVE and (re-)configuration of an SCG during the resume procedure.
8.2.6.3	**Idle/Inactive measurements**			
8.2.6.3.1	Idle/Inactive measurements / Idle mode / EN-DC / SIB5 & SIB24 configuration	Rel-16	C225	UEs supporting EN-DC and Idle/Inactive Measurements
8.2.6.3.2	Idle/Inactive measurements / Idle mode / EN-DC / RRCConnectionRelease configuration	Rel-16	C225	UEs supporting EN-DC and Idle/Inactive Measurements
8.2.6.3.3	Idle/Inactive measurements / Inactive mode / NE-DC / SIB11 configuration	Rel-16	C193	UEs supporting 5GC Core, E-UTRA, RRC_INACTIVE and Idle/Inactive Measurements
8.2.6.3.4	Idle/Inactive measurements / Inactive mode / NE-DC / RRCRelease configuration	Rel-16	C193	UEs supporting 5GC Core, E-UTRA, RRC_INACTIVE and Idle/Inactive Measurements

Clause	TC Title	Release	Applicability Condition	Applicability Comment
8.2.6.3.5	Idle/Inactive Measurements / Idle mode / NE-DC / SIB11 configuration	Rel-16	C191	UEs supporting 5G Core, E-UTRA and Idle/Inactive Measurements
8.2.6.3.6	Idle/Inactive Measurements / Idle mode / NE-DC / RRCRelease configuration	Rel-16	C191	UEs supporting 5GC Core, E-UTRA and Idle/Inactive Measurements
8.2.6.4	**UPIP / RRC connection**			
8.2.6.4.1	UPIP / RRC connection establishment / Success / Reception of SecurityModeCommand by the UE	Rel-17	C286	UEs supporting EN-DC and user plane integrity protection with EPS
8.2.6.4.2	UPIP / RRC connection re-establishment / Reception of the RRCConnection Reestablishment by UE	Rel-17	C286	UEs supporting EN-DC and user plane integrity protection with EPS
8.2.6.4.3	UPIP / RRC connection reconfiguration / Handover / Success / Reception of RRCConnctionReconfiguration including mobilityControlInfo by UE	Rel-17	C286	UEs supporting EN-DC and user plane integrity protection with EPS
8.2.6.4.4	UPIP / Inter-RAT mobility - Handover to E-UTRA - Reception of RRCConnection Reconfiguration by UE	Rel-17	C286	UEs supporting EN-DC and user plane integrity protection with EPS
8.2.7	**RRC resume**			
8.2.7.1	**RRC resume / EN-DC**			
8.2.7.2	**RRC resume / NR-DC**			
8.2.7.2.1	RRC Resume / Suspend-Resume / RRC reconfiguration / NR-DC / Resume with SCG	Rel-16	C229	UEs supporting 5G Core and NR-DC and RRC_INACTIVE and (re-)configuration of an SCG during the resume procedure.
8.2.7.3.1	RRC Resume / Suspend-Resume / RRC reconfiguration / NE-DC / Resume with SCG	Rel-16	C255	UEs supporting 5G Core and NE-DC and RRC_INACTIVE and (re-)configuration of an SCG during the resume procedure.

Table 4.1-3b: Additional Information of Applicability of Protocol conformance RRC test cases, ref. TS 38.523-1 [2]

Clause	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
8.1.1				
8.1.1.1				
8.1.1.1.1	pc_inactiveState			
8.1.1.1.2	pc_inactiveState			
8.1.1.3				
8.1.1.3.2				Rel-15 E-UTRA
8.1.1.3.4				Rel-15 E-UTRA
8.1.1.3.7a				Rel-15 E-UTRA
8.1.3				
8.1.3.1				
8.1.3.1.2				
8.1.3.1.3			If 8.1.3.1.2 is executed this test case is optional (Note 2)	
8.1.3.1.4			If 8.1.3.1.2 or 8.1.3.1.3 is executed this test case is optional (Note 2)	
8.1.3.1.5			If 8.1.3.1.6 is executed this test case is optional (Note 2)	
8.1.3.1.6				
8.1.3.1.7			If 8.1.3.1.5 or 8.1.3.1.6 is executed this test case is optional (Note 2)	
8.1.3.1.8			If 8.1.3.1.9 or 8.1.3.1.10 is executed this test case is optional (Note 2)	
8.1.3.1.9			If 8.1.3.1.10 is executed this test case is optional (Note 2)	
8.1.3.1.10				
8.1.3.1.23	pc_inactiveState			
8.1.3.2				
8.1.3.2.6				Rel-16 UTRA
8.1.3.2.7				Rel-16 UTRA
8.1.4				
8.1.4.1				
8.1.4.1.2		px_NAS_5GC_CipheringAlgorithm px_NAS_5GC_IntegrityAlgorithm		
8.1.4.1.10			Note 4	
8.1.4.2				
8.1.4.2.1				
8.1.4.2.1.1				Rel-15 E-UTRA
8.1.4.2.1.2				Rel-16 EN-DC
8.1.4.2.2				
8.1.4.2.2.1				Rel-15 E-UTRA
8.1.5				
8.1.5.1				
8.1.5.1.1			If 8.2.1.1.2 is executed this test case is optional	
8.1.5.7				
8.1.5.7.1				
8.1.5.7.1.1			If 8.1.5.7.1.2 or 8.1.5.7.1.3 is executed this test case is optional	
8.1.5.7.1.2			If 8.1.5.7.1.1 or 8.1.5.7.1.3 is executed this test case is optional	
8.1.5.7.1.3			If 8.1.5.7.1.1 or 8.1.5.7.1.2 is executed this test case is optional	
8.1.5.8				
8.1.5.8.1	pc_inactiveState			
8.1.5.8.2				
8.1.5.8.2.1	pc_inactiveState		If 8.1.5.8.2.2 or 8.1.5.8.2.3 is executed this test case is optional	
8.1.5.8.2.2	pc_inactiveState		If 8.1.5.8.2.1 or 8.1.5.8.2.3 is executed this test case is optional	

8.1.5.8.2.3	pc_inactiveState		If 8.1.5.8.2.1 or 8.1.5.8.2.2 is executed this test case is optional	
8.1.5.9				
8.1.5.9.1	pc_Set_UE_Cap_Info_NR			
8.1.6				
8.1.6.1				
8.1.6.1.3				
8.1.6.1.3.1			If 8.1.6.1.3.5 is executed this test case is optional.	
8.1.6.2				
8.1.6.2.1				Rel-15 E-UTRA
8.1.6.2.2				Rel-15 E-UTRA
8.1.6.2.3				Rel-15 E-UTRA
8.1.6.2.4				Rel-15 E-UTRA
8.2.1				
8.2.2				
8.2.2.1				
8.2.2.1.1			Only executed if test case 8.2.2.3.1 is not applicable (Note 1)	
8.2.2.1.2			Only executed if test case 8.2.2.3.2 is not applicable (Note 1)	
8.2.3				
8.2.3.6				
8.2.3.6.1				
8.2.3.6.1a			If 8.2.3.6.1 is executed this test case is optional (Note 3)	
8.2.3.6.1b			If 8.2.3.6.1 or 8.2.3.6.1a is executed this test case is optional (Note 3)	
8.2.3.7				
8.2.3.7.1				
8.2.3.7.1a			If 8.2.3.7.1 is executed this test case is optional (Note 3)	
8.2.3.7.1b			If 8.2.3.7.1 or 8.2.3.7.1a is executed this test case is optional (Note 3)	
8.2.3.8				
8.2.3.8.1				
8.2.3.8.1a			If 8.2.3.8.1 is executed this test case is optional (Note 3)	
8.2.3.8.1b			If 8.2.3.8.1 or 8.2.3.8.1a is executed this test case is optional (Note 3)	
8.2.4				
8.2.4.1				
8.2.4.1.1				
8.2.4.1.1.4				Rel-15 E-UTRA
8.2.4.1.1.5				Rel-15 E-UTRA
8.2.4.1.1.6				Rel-15 E-UTRA
8.2.6				
8.2.6.1				
8.2.6.1.1				
8.2.6.1.1.1			If 8.2.6.1.1.2 or 8.2.6.1.1.3 is executed this test case is optional	
8.2.6.1.1.2			If 8.2.6.1.1.1 or 8.2.6.1.1.3 is executed this test case is optional	
8.2.6.1.1.3			If 8.2.6.1.1.1 or 8.2.6.1.1.2 is executed this test case is optional	
8.2.6.1.2				
8.2.6.1.2.1			If 8.2.6.1.2.2 or 8.2.6.1.2.3 is executed this test case is optional	
8.2.6.1.2.2			If 8.2.6.1.2.1 or 8.2.6.1.2.3 is executed this test case is optional	

8.2.6.1.2.3			If 8.2.6.1.2.1 or 8.2.6.1.2.2 is executed this test case is optional	
8.2.6.2				
8.2.6.2.4	pc_reducedCP_Latency			

Note 1: Test cases 8.2.2.3.1 also verifies the core requirements covered by test case 8.2.2.1.1 but it is not applicable to all UE. Test case 8.2.2.3.2 and 8.2.2.1.2 are also in the same situation.

Note 2: Only one among the three intra-frequency, inter-frequency and inter-band variants is required to be executed making sure all three variants are tested at least once across measurement events A3/A4/A5.

Note 3: Only intra frequency among the three (intra-frequency, inter-frequency and inter-band) variants is required to be executed for measurement events A3/A4/A5 based on initial market requirements. May change in future similar to Note 2.

Note 4: This test case can optionally be executed from Release 15 onwards.

Table 4.1-4a: Applicability of Protocol conformance Mobility and Session management test cases, ref. TS 38.523-1 [2]

Clause	TC Title	Release	Applicability	
			Condition	**Comment**
9	**Mobility management**			
9.1	**5GS mobility management**			
9.1.1	**Primary authentication and key agreement**			
9.1.1.1	EAP based primary authentication and key agreement / EAP-AKA' related procedures	Rel-15	C21	UEs supporting 5G Core
9.1.1.2	EAP based primary authentication and key agreement / Reject	Rel-15	C21	UEs supporting 5G Core
9.1.1.3	EAP based primary authentication and key agreement / EAP message transport / Abnormal	Rel-15	C21	UEs supporting 5G Core
9.1.1.4	5G AKA based primary authentication and key agreement / 5G-AKA related procedures	Rel-15	C21	UEs supporting 5G Core
9.1.1.5	5G AKA based primary authentication and key agreement / Reject	Rel-15	C21	UEs supporting 5G Core
9.1.1.6	5G AKA based primary authentication and key agreement / Abnormal	Rel-15	C21	UEs supporting 5G Core
9.1.2	**Security mode control**			
9.1.2.1	NAS security mode command	Rel-15	C21	UEs supporting 5G Core
9.1.2.2	Protection of initial NAS signalling messages	Rel-15	C21	UEs supporting 5G Core
9.1.2.3	Integrity protection / Correct functionality of 5G NAS integrity algorithm / SNOW3G	Rel-15	C21	UEs supporting 5G Core
9.1.2.4	Integrity protection / Correct functionality of 5G NAS integrity algorithm / AES	Rel-15	C21	UEs supporting 5G Core
9.1.2.5	Integrity protection / Correct functionality of 5G NAS integrity algorithm / ZUC	Rel-15	C84	UEs supporting 5G Core and ZUC algorithm
9.1.2.6	Ciphering and deciphering / Correct functionality of 5G NAS encryption algorithm / SNOW3G	Rel-15	C21	UEs supporting 5G Core
9.1.2.7	Ciphering and deciphering / Correct functionality of 5G NAS encryption algorithm / AES	Rel-15	C21	UEs supporting 5G Core
9.1.2.8	Ciphering and deciphering / Correct functionality of 5G NAS encryption algorithm / ZUC	Rel-15	C84	UEs supporting 5G Core and ZUC algorithm
9.1.3	**Identification**			
9.1.3.1	Identification procedure	Rel-15	C21	UEs supporting 5G Core
9.1.4	**Generic UE configuration update**			
9.1.4.1	Generic UE configuration update / New 5G-GUTI, NITZ, registration requested, network slicing indication, new allowed NSSAI / Acknowledgement from the UE	Rel-15	C21	UEs supporting 5G Core
9.1.4.2	UAS / Generic UE configuration update / Revocation	Rel-17	C310	UEs supporting 5G Core and UAS
9.1.5	**Registration**			
9.1.5.1	**Initial registration**			
9.1.5.1.1	Initial registration / Success / 5G-GUTI reallocation, last visited TAI	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.2	Initial registration / 5GS services / Equivalent PLMN list handling	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.3	Initial registration / 5GS services / NSSAI handling	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.3a	Initial registration / 5GS services / NSSAI handling / NSSAI storage	Rel-15	C21	UEs supporting 5G Core

Clause	TC Title	Release	Applicability	
			Condition	**Comment**
9.1.5.1.4	Initial registration / 5GS services / MICO mode / TAI list handling	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.5	Initial registration / Abnormal / Failure after 5 attempts	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.6	Initial registration / Rejected / Illegal UE	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.7	Void			
9.1.5.1.8	Initial registration / Rejected / Serving network not authorized	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.9	Initial registration / Abnormal / Change of cell into a new tracking area	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.10	Initial registration / Rejected / PLMN not allowed	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.11	Initial registration / Rejected / Tracking area not allowed	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.12	Initial registration / Rejected / Roaming not allowed in this tracking area	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.13	Initial registration / Rejected / No suitable cells in tracking area	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.14	Initial registration / Rejected / Congestion / Abnormal / T3346	Rel-15	C21	UEs supporting 5G Core
9.1.5.1.15	Initial registration / Success / Extended and spare fields in CAG information list	Rel-15 only	C21	UEs supporting 5G Core
9.1.5.1.16	Initial Registration / Success / MUSIM	Rel-17	C219	UEs supporting 5G Core and Multi-SIM features
9.1.5.1.17	Initial registration / Success / UAS	Rel-17	C310	UEs supporting 5G Core and UAS
9.1.5.2	**Mobility and periodic registration update**			
9.1.5.2.1	Mobility registration update / TAI list handling	Rel-15	C21	UEs supporting 5G Core
9.1.5.2.2	Periodic registration update / Accepted	Rel-15	C21	UEs supporting 5G Core
9.1.5.2.4	Mobility registration update / The lower layer requests NAS signalling connection recovery	Rel-15	C21	UEs supporting 5G Core
9.1.5.2.5	Void			
9.1.5.2.7	Mobility and periodic registration update / Rejected / UE identity cannot be derived by the network	Rel-15	C21	UEs supporting 5G Core
9.1.5.2.8	Mobility and periodic registration update / Rejected / Implicitly de-registered	Rel-15	C21	UEs supporting 5G Core
9.1.5.2.9	Void			
9.1.5.2.10	Mobility registration update / MUSIM / NAS signalling connection release	Rel-17	C242	UEs supporting 5G Core and Multi-SIM N1 NAS signalling connection release
9.1.6	**De-registration**			
9.1.6.1	**UE-initiated de-registration**			
9.1.6.1.1	UE-initiated de-registration / Switch off / Abnormal / De-registration and 5GMM common procedure collision	Rel-15	C21	UEs supporting 5G Core
9.1.6.1.2	UE-initiated de-registration / Normal de-registration / Abnormal / Transmission failure without TAI change from lower layers, de-registration and 5GMM common procedure collision, T3521 timeout	Rel-15	C21	UEs supporting 5G Core
9.1.6.1.3	UE-initiated de-registration / Abnormal / Change of cell into a new tracking area	Rel-15	C21	UEs supporting 5G Core
9.1.6.1.4	Void			
9.1.6.2	**Network-initiated de-registration**			
9.1.6.2.1	Network-initiated de-registration / De-registration for 3GPP access / Re-registration required	Rel-15	C21	UEs supporting 5G Core
9.1.6.2.2	Network-initiated de-registration / De-registration for 3GPP access / Re-registration not required	Rel-15	C21	UEs supporting 5G Core
9.1.6.2.3	UAS / De-registration / UE-initiated / Network-initiated	Rel-17	C310	UEs supporting 5G Core and UAS
9.1.7	**Service request**			
9.1.7.1	Service request / Idle mode uplink user data transport / Rejected / Restricted service area, abnormal / T3517, T3525	Rel-15	C21	UEs supporting 5G Core
9.1.7.2	Service request / Connected mode user data transport / Abnormal / T3517	Rel-15	C21	UEs supporting 5G Core
9.1.7.3	Service request / MUSIM / NAS signalling connection release	Rel-17	C242	UEs supporting 5G Core and Multi-SIM N1 NAS signalling connection release
9.1.7.4	Service request / MUSIM / Rejection of paging	Rel-17	C220	UEs supporting 5G Core and Multi-SIM Reject paging request
9.1.8	**SMS over NAS**			
9.1.8.1	SMS over NAS / MO and MT SMS over NAS / Idle mode	Rel-15	C33	UEs supporting 5G Core and SMS over NAS and UE configured to not use SMSoIP

Clause	TC Title	Release	Applicability	
			Condition	**Comment**
9.1.8.2	SMS over NAS / Multiple MO and MT SMS over NAS / Connected mode	Rel-15	C33	UEs supporting 5G Core and SMS over NAS and UE configured to not use SMSoIP
9.1.9	**RACS**			
9.1.9.1	RACS / Network assigned UE radio capability ID	Rel-16	C108	UEs supporting 5G Core and RACS
9.1.9.2	RACS / UE configuration update / UE radio capability ID	Rel-16	C108	UEs supporting 5G Core and RACS
9.1.9.3	RACS / PLMN change within registration area / From NW assigned to Manufacturer assigned UE Radio Capability ID	Rel-16	C177	UEs supporting 5G Core and RACS and Manufacturer assigned Radio Capability ID
9.1.9.4	RACS / USIM change / Handling of URCID	Rel-16	C108	UEs supporting 5G Core and RACS
9.1.9.5	RACS / Handling of delete indication for NW assigned UE radio capability ID	Rel-16	C108	UEs supporting 5G Core and RACS
9.1.9.6	RACS / Change in radio capability / NW assigned URCID	Rel-16	C108	UEs supporting 5G Core and RACS
9.1.9.7	RACS / Inter-system mobility registration update / Handling of UE radio capability ID	Rel-16	C178	UEs supporting 5G Core and E-UTRA and RACS
9.1.10	**Network slice-specific authentication and authorization**			
9.1.10.1	NSSAA / EAP message transport / Success	Rel-16	C147	UEs supporting 5G Core and NSSAA and EAP-AKA' for NSSAA
9.1.10.2	NSSAA / EAP message transport / Abnormal	Rel-16	C147	UEs supporting 5G Core and NSSAA and EAP-AKA' for NSSAA
9.1.10.3	NSSAA / Initial registration / Rejected NSSAI, pending NSSAI	Rel-16	C147	UEs supporting 5G Core and NSSAA and EAP-AKA' for NSSAA
9.1.10.4	NSSAA / Initial registration / Reject	Rel-16	C147	UEs supporting 5G Core and NSSAA and EAP-AKA' for NSSAA
9.1.10.6	NSSAA / UE configuration update / Rejected NSSAI	Rel-16	C147	UEs supporting 5G Core and NSSAA and EAP-AKA' for NSSAA
9.1.11	**SNPN / Mobility management aspects**			
9.1.11.1	SNPN / Initial registration / Rejected / Temporarily not authorized for this SNPN	Rel-16	C131	UEs supporting 5G Core and SNPN
9.1.11.2	SNPN / Initial registration / Rejected / Permanently not authorized for this SNPN	Rel-16	C131	UEs supporting 5G Core and SNPN

Clause	TC Title	Release	Applicability	
			Condition	Comment
9.1.11.3	SNPN / EAP based primary authentication and key agreement / EAP-AKA' related procedures	Rel-16	C131	UEs supporting 5G Core and SNPN
9.1.12	**NSAC / Mobility management aspects**			
9.1.12.1	NSAC / Initial registration / Back-off timer	Rel-17	C21	UEs supporting 5G Core
9.1.12.2	NSAC / Initial registration / Back-off timer is not provided or zero	Rel-17	C21	UEs supporting 5G Core
9.1.12.3	NSAC / Initial registration / Rejected / equivalent PLMNs	Rel-17	C21	UEs supporting 5G Core
9.1.12.4	NSAC / Generic UE configuration update / Rejected NSSAI	Rel-17	C21	UEs supporting 5G Core
9.1.12.5	NSAC / De-registration / 5GMM cause value #62 and rejected NSSAI	Rel-17	C21	UEs supporting 5G Core
9.1.13	**NSSRG / Mobility management aspects**			
9.1.13.1	NSSRG / Initial registration	Rel-17	C230	UEs supporting 5G Core and NSSRG
9.1.13.2	NSSRG / Generic UE configuration update	Rel-17	C230	UEs supporting 5G Core and NSSRG
9.1.14	**Paging Early Indication with Paging Subgrouping Assistance**			
9.1.14.1	Paging Early Indication with Subgrouping / RRC_IDLE / lastUsedCellOnly not configured / Subgroup ID selection	Rel-17	C224	UEs supporting 5G Core and PEI
9.2	**5GS Non-3GPP Access Mobility Management**			
9.2.1	**Primary authentication and key agreement procedure**			
9.2.1.1	EAP based primary authentication and key agreement	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.1.2	5G AKA based primary authentication and key agreement	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.2	**Security Mode Control**			
9.2.2.1	NAS security mode command	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.2.2	Protection of initial NAS signalling messages	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.3	**Void**			
9.2.4	**Generic UE configuration**			
9.2.4.1	Generic UE configuration update	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.5	**Registration**			
9.2.5.1	**Initial Registration**			
9.2.5.1.1	Initial registration / Success / 5G-GUTI reallocation, Last visited TAI	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.5.1.2	Initial registration / 5GS services / NSSAI handling	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.5.1.3	Void			
9.2.5.1.4	Initial registration / Rejected / Congestion / Abnormal cases / T3346	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.5.2	**Mobility Registration**			
9.2.5.2.1	Void			
9.2.5.2.2	Mobility registration update/Change of SMS over NAS capability	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.6	**De-registration**			
9.2.6.1	**UE-initiated de-registration**			
9.2.6.1.1	UE-initiated de-registration / switch off	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.6.2	**Network-initiated de-registration**			
9.2.6.2.1	Network-initiated de-registration / De-registration for Non-3GPP access / Re-registration required	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.6.2.2	Network-initiated de-registration / De-registration for Non 3GPP access / Re-registration not required	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.7	**Service request**			
9.2.7.1	Service request / IDLE mode uplink user data transport / Rejected / Restricted service area, Abnormal / T3517	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
9.2.7.2	Service request / CMM CONNECTED mode/uplink user data transport / Abnormal / T3517	Rel-15	C58	UEs supporting 5G core over non-3GPP Access Network, WLAN and (ICMP or ICMP IPv6)
9.2.8	**SMS over NAS**			
9.2.8.1	SMS over NAS / MO SMS over NAS - 5GMM-Idle mode	Rel-15	C30	UEs supporting 5G core over non-3GPP Access Network and SMS over NAS and WLAN
9.3	**Inter-system mobility**			
9.3.1	**5GS-EPC Inter-system mobility**			

Clause	TC Title	Release	Applicability	
			Condition	Comment
9.3.1.1	Inter-system mobility registration update / Single-registration mode with N26 / 5GMM-IDLE / 5GC to EPC	Rel-15	C26	UEs supporting 5GS and E-UTRA
9.3.1.2	Inter-system mobility registration update / Single-registration mode with N26 / 5GMM-IDLE / EPC to 5GC	Rel-15	C26	UEs supporting 5GS and E-UTRA
9.3.1.3	Inter-system mobility and periodic registration update / Rejected / Single-registration mode with N26 / Handling of EPC relevant parameters	Rel-15	C26	UEs supporting 5GS and E-UTRA
9.3.1.4	NSAC / interworking with EPC	Rel-17	C260	UEs supporting 5GS and E-UTRA and NSSRG
10	**Session management**			
10.1	**5GS session management**			
10.1.1	**PDU session authentication and authorization**			
10.1.1.1	PDU session authentication and authorization / During the UE-requested PDU session procedure	Rel-15	C39A	UEs supporting 5G Core and additional UE-requested PDU establishment and support of EAP-AKA' as EAP method for PDU session authentication and authorization
10.1.1.2	PDU session authentication and authorization / After the UE-requested PDU session procedure	Rel-15	C39A	UEs supporting 5G Core and additional UE-requested PDU establishment and support of EAP-AKA' as EAP method for PDU session authentication and authorization
10.1.2	**Network-requested PDU session modification**			
10.1.2.1	Network-requested PDU session modification / Accepted	Rel-15	C21	UEs supporting 5G Core
10.1.2.2	Network-requested PDU session modification / Abnormal / PDU session in state PDU SESSION INACTIVE	Rel-15	C39	UEs supporting 5G Core and additional UE-requested PDU establishment
10.1.3	**Network-requested PDU session release**			
10.1.3.1	Void			
10.1.3.2	Network-requested PDU session release / Insufficient resources, insufficient resources for specific slice and DNN, abnormal / Invalid PDU session identity	Rel-15	C39	UEs supporting 5G Core and additional UE-requested PDU establishment
10.1.4	**UE-requested PDU session establishment**			
10.1.4.1	UE-requested PDU session establishment / Abnormal / T3580	Rel-15	C39	UEs supporting 5G Core and additional UE-requested PDU establishment
10.1.4.3	UAS / UE requested PDU session establishment / UUAA / C2 authorisation / Modification / Release	Rel-17	C310	UEs supporting 5G Core and UAS
10.1.5	**UE-requested PDU session modification**			
10.1.5.1	UE-requested PDU session modification	Rel-15	C63	UEs supporting 5G Core and UE requested PDU session modification procedure
10.1.6	**UE-requested PDU session release**			
10.1.6.1	UE-requested PDU session release / Abnormal / Collision with network-requested PDU session modification procedure	Rel-15	C21	UEs supporting 5G Core
10.1.6.2	UE-requested PDU session release / Abnormal / Collision with network-requested PDU session release procedure	Rel-15	C21	UEs supporting 5G Core
10.1.7	**Network-requested PDU session release**			
10.1.7.1	Void			

Clause	TC Title	Release	Applicability	
			Condition	Comment
10.1.8	**NSAC / Session management aspects**			
10.1.8.1	NASC / PDU session establishment reject / Maximum number of PDU sessions reached / Back-off timer is neither zero nor deactivated	Rel-17	C39	UEs supporting 5G Core and additional UE-requested PDU establishment
10.1.8.2	NASC / PDU session establishment reject / Maximum number of PDU sessions reached / Back-off timer is deactivated	Rel-17	C39	UEs supporting 5G Core and additional UE-requested PDU establishment
10.1.8.3	NASC / PDU session establishment reject / Maximum number of PDU sessions reached / Back-off timer is zero or not included	Rel-17	C39	UEs supporting 5G Core and additional UE-requested PDU establishment
10.1.8.4	NSAC / 5GSM message not forwarded / Back-off timer	Rel-17	C39	UEs supporting 5G Core and additional UE-requested PDU establishment
10.1.8.5	NSAC / Maximum number of PDU sessions reached / Emergency service	Rel-17	C261	UEs supporting 5G Core and additional UE-requested PDU establishment and emergency services in NR connected to 5GCN
10.2	**EN-DC session management**			
10.2.1	**Network initiated procedures**			
10.2.1.1	Default EPS bearer context activation	Rel-15	C01	UEs supporting EN-DC
10.2.1.2	Dedicated EPS bearer context activation	Rel-15	C01	UEs supporting EN-DC
10.2.2	**UE initiated procedures**			
10.2.2.1	EPS bearer resource allocation / modification	Rel-15	C16	UEs supporting EN-DC and UE requested bearer resource allocation and modification procedures
10.3	**5GS Non-3GPP Access Session Management**			
10.3.1	**PDU session authentication and authorization**			
10.3.1.1	PDU session authentication and authorization / during the UE-requested PDU session procedure	Rel-15	C159	UEs supporting 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment
10.3.2	**Network-requested PDU session modification**			
10.3.2.1	Network-requested PDU session modification /Accepted/Rejected	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
10.3.3	**Network-requested PDU session Release**			
10.3.3.1	Network-requested PDU session release / accepted/ with and without reactivation	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
10.3.4	**UE-requested PDU session establishment**			
10.3.4.1	UE-requested PDU session establishment / Abnormal / T3580	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
10.3.5	**UE-requested PDU session modification**			
10.3.5.1	UE-requested PDU session modification/Success	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
10.3.6	**UE-requested PDU session release**			
10.3.6.1	UE-requested PDU session release / Abnormal / Collision with network-requested PDU session modification procedure	Rel-15	C29	UEs supporting 5G core over non-3GPP Access Network and WLAN
10.4	**ATSSS session management**			
10.4.1	**UE-requested MA PDU session management**			
10.4.1.1	UE-requested MA PDU session establishment / ATSSS / Registered to same PLMNs over 3GPP and non-3GPP accesses simultaneously / Success	Rel-16	C251	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment and ATSSS
10.4.1.2	UE-requested MA PDU session establishment / ATSSS / Registered to same PLMNs over 3GPP and non-3GPP accesses asimultaneously / Success	Rel-16	C251	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment and ATSSS
10.4.1.3	UE-requested MA PDU session establishment / ATSSS / Registered to different PLMNs over 3GPP and non-3GPP accesses simultaneously/ Success	Rel-16	C251	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment and ATSSS
10.4.1.4	UE-requested MA PDU session establishment / ATSSS / Registered to different PLMNs over 3GPP and non-3GPP accesses asynchronously / Success	Rel-16	C251	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment and ATSSS
10.4.2	Network-requested MA PDU session management			

Clause	TC Title	Release	Applicability	
			Condition	Comment
10.4.2.2	Network-requested MA PDU session release / ATSSS / Accepted	Rel-16	C251	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment and ATSSS
10.4.1.5	UE-requested MA PDU session modification / ATSSS / Success	Rel-17	C275	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment and ATSSS
10.4.1.6	UE-requested MA PDU session modification / ATSSS / Abnormal / MA PDU session is not allowed	Rel-17	C275	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment and ATSSS

Table 4.1-4b: Additional Information of Applicability of Protocol conformance Mobility and Session Management test cases, ref. TS 38.523-1 [2]

Clause	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
9				
9.1				
9.1.6				
9.1.6.1				
9.1.6.1.1	[10] pc_USIM_Removal			
9.2				
9.2.6				
9.2.6.1				
9.2.6.1.1	[10] pc_USIM_Removal			
9.2.7				
9.2.7.2	[10] pc_IPv4 [10] pc_IPv6			
9.3				
9.3.1				
9.3.1.1				Rel-15 E-UTRA
9.3.1.2				Rel-15 E-UTRA
9.3.1.3				Rel-15 E-UTRA
10				
10.1				

Table 4.1-5a: Applicability of Protocol conformance Multi-layer test cases, ref. TS 38.523-1 [2]

Clause	TC Title	Release	Applicability	
			Condition	Comment
11	**Multi-layer and Services**			
11.1	**5GS / EPS Fallback**			
11.1.1	MO MMTEL voice call setup from NR RRC_IDLE / EPS Fallback with redirection / Single registration mode with N26 interface / Success	Rel-15	C54	UEs supporting 5G Core and E-UTRA and EPS IMS Voice (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and EPS fallback
11.1.1a	MO MMTEL enhanced voice service call setup from NR RRC_IDLE / EPS Fallback with redirection / Single registration mode with N26 interface / Success	Rel-15	C173	UEs supporting 5G Core and E-UTRA and NG.114 v2.0
11.1.2	MO MMTEL voice call setup from NR RRC_IDLE / EPS Fallback with redirection / Single registration mode without N26 interface / Success	Rel-15	C54	UEs supporting 5G Core and E-UTRA and EPS IMS Voice (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and EPS fallback
11.1.3	MO MMTEL voice call setup from NR RRC_CONNECTED / EPS Fallback with handover / Single registration mode with N26 interface / Success	Rel-15	C54	UEs supporting 5G Core and E-UTRA and EPS IMS Voice (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and EPS fallback
11.1.3a	MO MMTEL enhanced voice service call setup from NR RRC_CONNECTED / EPS Fallback with handover / Single registration mode with N26 interface / Success	Rel-15	C173	UEs supporting 5G Core and E-UTRA and NG.114 v2.0
11.1.4	MO MMTEL voice call setup from NR RRC_CONNECTED / EPS Fallback with redirection / Single registration mode with N26 interface / E-UTRAN cell selection using cell status barred / Success	Rel-15	C54	UEs supporting 5G Core and E-UTRA and EPS IMS Voice (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and EPS fallback

11.1.5	MO MMTEL voice call setup from NR RRC_CONNECTED / EPS Fallback with redirection / Single registration mode without N26 interface / E-UTRAN cell selection using cell status reservation / Success	Rel-15	C54	UEs supporting 5G Core and E-UTRA and EPS IMS Voice (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and EPS fallback
11.1.6	MT MMTEL voice call setup from NR RRC_IDLE / EPS Fallback with redirection / Single registration mode without N26 interface / Success	Rel-15	C54	UEs supporting 5G Core and E-UTRA and EPS IMS (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") Voice and EPS fallback
11.1.7	Emergency call setup from NR RRC_IDLE / Emergency Services Fallback to EPS with redirection / Single registration mode with N26 interface / Success	Rel-15	C47	UEs supporting 5G Core and E-UTRA and EPS IMS emergency call (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and Emergency Services Fallback in NR connected to 5GCN
11.1.8	MO MMTEL voice call setup from NR RRC_CONNECTED / EPS Fallback with handover / Single registration mode with N26 interface / voiceFallbackIndication	Rel-16	C95	UEs supporting 5G Core and E-UTRA and EPS IMS (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") Voice and EPS fallback and voiceFallbackIndication
11.1.9	MO MMTEL voice call setup from NR RRC_IDLE / EPS Fallback with redirection / Single registration mode with N26 interface / voiceFallbackIndication	Rel-16	C95	UEs supporting 5G Core and E-UTRA and EPS IMS (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") Voice and EPS fallback and voiceFallbackIndication
11.2	**5G-SRVCC**			
11.2.1	5G-SRVCC from NG-RAN to 3GPP UTRAN	Rel-16	C127	UEs supporting 5G Core and UTRA and NR to UTRA-FDD CELL_DCH CS handover
11.3	**Unified Access Control (UAC)**			
11.3.1	UAC / Access Identity 0 / 0% access probability / MTSI MO speech call / SMSoIP	Rel-15	C78	UEs supporting 5G Core and Initiating session and MTSI speech and SMS over IP
11.3.1a	UAC / Access Identity 0 / 0% access probability / Uplink user data transfer / RRC_INACTIVE	Rel-15	C109A	UEs supporting 5G Core and RRC_INACTIVE and UE's usage setting as data centric
11.3.2	UAC / Access Identity 0 / 0% access probability / Paging for MT access/Emergency call	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.3.3	UAC / Access Identity 0 / AC8 / RRC_INACTIVE / RNA update / RRC resume	Rel-15	C109	UEs supporting 5G Core and RRC_INACTIVE
11.3.4	UAC / Access Identity 0 / Registration procedure for mobility and periodic registration update / Barring per PLMN / Implicit AC barring list	Rel-15	C21	UEs supporting 5G Core
11.3.5	UAC / Access Identity 1 / New cell not in the country of its HPLMN/EHPLMN 0% access probability / MPS indicator / HPLMN/0%/100% accessibility AC5 / MMTEL-Video call	Rel-15	C79	UEs supporting 5G Core and Initiating session and MTSI video and MTSI video H.265 MP MT Level 3.1 and MTSI video H.264 CHP Level 3.1 and H.264 CBP Level 3.1 and NG114 v1.0
11.3.6	UAC / Access Identity 2 / New cell not in the country of its HPLMN/EHPLMN 0% access probability / MCS indicator / HPLMN/0%/100% accessibility AC7 / RRC_INACTIVE	Rel-15	C21	UEs supporting 5G Core
11.3.6a	UAC / Access Identity 2 / MCS indicator / SNPN / 0% / 100% accessibility AC7 / RRC_INACTIVE	Rel-16	C231	UEs supporting 5G Core and SNPN and configuration of access identities in the list of subscriber data
11.3.7	UAC / Access Identity 11..15 / High priority access / HPLMN/0% accessibility AC2 / Emergency call	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.3.8	UAC / Access Identity 0 / NR RRC_IDLE / Cell re-selection while T390 is running	Rel-15	C21	UEs supporting 5G Core
11.3.9	UAC / Access Identity 0 / ODAC / PLMN / RPLMN / not EPLMN	Rel-15	C21	UEs supporting 5G Core
11.3.9a	UAC / Access Identity 0 / ODAC / SNPN / RSNPN / new SNPN	Rel-16	C131	UEs supporting 5G Core and SNPN
11.3.10	UAC / Access Identity 0 / AC9 / 0% access probability / SIP Re-registration	Rel-16	C198	UEs supporting 5G Core and IMS security
11.3.11	UAC / Access Identity 1 / 0% access probability / release with redirect with mpsPriorityIndication / RRC_INACTIVE	Rel-16	C274A	UEs supporting 5G Core and RRC Connection release with MPS priority indication AND RRC_INACTIVE

11.3.12	UAC / Access Identity 0 / AC7 / 0% access probability / Uplink user data transfer	Rel-15	C21	UEs supporting 5G Core
11.4	**Emergency Services**			
11.4.1	5GMM-REGISTERED.NORMAL-SERVICE / 5GMM-IDLE / Emergency call / Utilising emergency number stored on the USIM / New emergency PDU session / Network failing the authentication check (5G AKA)	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.1a	5GMM-REGISTERED.NORMAL-SERVICE / 5GMM-IDLE / Emergency call / Utilising emergency number stored on the USIM / New emergency PDU session / PEIPS assistance information	Rel-17	C224	UEs supporting 5G Core and PEI
11.4.2	5GMM-DEREGISTERED.LIMITED-SERVICE / Emergency call / Utilisation of emergency numbers stored on the ME / Initial registration for emergency services / Handling of forbidden PLMNs	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.3	5GMM-DEREGISTERED.NO-SUPI / Emergency call / Utilisation of emergency numbers stored on the ME / Initial registration for emergency services	Rel-15	C238	UEs supporting 5G Core and emergency services in NR connected to 5GCN and test execution with No USIM
11.4.4	5GMM-REGISTERED.ATTEMPTING-REGISTRATION-UPDATE T3346 running / Emergency call establishment / 5GMM-REGISTERED.NORMAL-SERVICE / Emergency call establishment before T3396 expiry	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.5	5GMM-REGISTERED.LIMITED-SERVICE / 5GMM-IDLE / Emergency call establishment and release / Handling of 5GS forbidden tracking areas for roaming	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.6	5GMM-REGISTERED.NON-ALLOWED-SERVICE / Emergency call establishment and release / Handling of non-allowed tracking areas	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.7	Handling of Local and Extended emergency numbers / Mobility	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.8	Handling of Local and extended emergency numbers / Switch-off and maximum local numbers storage	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.9	5GMM-DEREGISTERED.LIMITED-SERVICE No suitable cells in tracking area / Emergency call establishment and release	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.10	Void			
11.4.10a	5GMM-REGISTERED.NORMAL-SERVICE / N26 interface not supported / N1 mode to S1 mode transfer of an existing emergency PDU session	Rel-15	C85B	UEs supporting 5G core and Emergency PDU session transfer from N1 mode to S1 mode when network does not support N26 interface, and, E-UTRA and EPS IMS emergency call (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and IMS voice over NR
11.4.11	5GMM-REGISTERED.NORMAL-SERVICE / N26 interface not supported / S1 mode to N1 mode transfer of an existing emergency PDN connection	Rel-15	C85A	UEs supporting 5G core and Emergency PDN connection transfer from S1 mode to N1 mode when network does not support N26 interface, and, E-UTRA and EPS IMS emergency call (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and emergency services in NR connected to 5GCN
11.4.12	5GMM-REGISTERED.NORMAL-SERVICE / 5GMM-IDLE / Emergency call / Disabling N1 mode / Emergency call establishment over EPS / Success	Rel-15	C176	UEs supporting 5G Core and E-UTRA and EPS IMS emergency call (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS")
11.4.13	5GMM-REGISTERED.NORMAL-SERVICE / 5GMM-IDLE / Emergency call / obtaining new IP address different than the IP address	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.4.14	5GMM-REGISTERED.NORMAL-SERVICE / 5GMM-IDLE / Emergency call /Deregistration upon emergency registration expiration	Rel-15	C92	UEs supporting 5G Core and emergency services in NR connected to 5GCN
11.5	**eCall over IMS**			
11.5.1	eCall Only mode / T3444 / eCall inactivity procedure / Removal of eCall only restriction after an eCall over IMS / 5GS to EPS	Rel-16	C170	UEs supporting 5G Core and E-UTRA and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation

11.5.2	eCall Only mode / T3445 / eCall inactivity procedure / Removal of eCall only restriction after a call to URI for test service / 5GS to EPS	Rel-16	C171	UEs supporting 5G Core and E-UTRA and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation and capable of triggering a Test eCall
11.5.3	eCall Only mode / 5GS supports IMS voice over PS session / 5GS does not support emergency service / eCall over EPS / eCall failure if EPS and CS domain are not available	Rel-16	C197	UEs supporting 5G Core and E-UTRA and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
11.5.4	eCall Only mode / 5GS supports IMS voice over PS session / 5GS supports emergency service / eCall over IMS is supported on 5GS / RACH failure in NR cell / eCall over EPS	Rel-16	C197	UEs supporting 5G Core and E-UTRA and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
11.5.5	eCall Only mode / Limited service state / Call to URI for test service should not be attempted / eCall over IMS should be attempted / 5GS	Rel-16	C174	UEs supporting 5G Core and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation and capable of triggering a Test eCall
11.5.6	eCall capable / 5GS supports IMS voice over PS session / 5GS supports emergency service / eCall over IMS is not supported / eCall using the CS domain / emergency call over IMS if eCall using the CS domain is not available / UTRA	Rel-16	C185	UEs supporting 5G Core and IMS eCall type of emergency services over 5GS and Automatic type of eCall initiation and emergency services in NR connected to 5GCN
11.5.7	eCall Only mode / SRVCC Handover to CS domain / UTRAN / MSD Update / Success / 5GS	Rel-16	C186	UEs supporting 5G Core and UTRA and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation and NR to UTRA-FDD CELL_DCH CS handover
11.5.8	eCall Only mode / 5GS supports IMS voice over PS session / 5GS supports emergency service / eCall over IMS is supported / RACH failure in NR cell / eCall using the CS domain	Rel-16	C188	UEs supporting 5G Core and (UTRA OR GERAN) and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
11.5.9	eCall only mode / Manual initiation / Emergency registration / Abnormal case / IM CN sends a 486 (Busy Here) / UE performs eCall in CS domain / UTRAN or GERAN / 5GS	Rel-16	C187	UEs supporting 5G Core and (UTRA OR GERAN) and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation
11.5.10	eCall only mode / Automatic initiation / Emergency registration / Abnormal case / IM CN sends a 600 (Busy Everywhere) / UE performs eCall in CS domain / UTRAN or GERAN / 5GS	Rel-16	C188	UEs supporting 5G Core and (UTRA OR GERAN) and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
11.5.11	eCall only mode / Automatic initiation / Emergency registration / Abnormal case / IM CN sends a 603 (Decline) / UE performs eCall in CS domain / UTRAN or GERAN / 5GS	Rel-16	C188	UEs supporting 5G Core and (UTRA OR GERAN) and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
11.5.12	eCall Only mode / 5GS supports IMS voice over PS session / 5GS supports emergency service / eCall over IMS is not supported on 5GS / eCall over EPS	Rel-16	C197	UEs supporting 5G Core and E-UTRA and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
11.5.13	eCall over IMS / Manual initiation / MSD transfer Failure / UE performs eCall in CS domain after Timer expiry / UTRAN or GERAN / 5GS	Rel-16	C189	UEs supporting 5G Core and (UTRA OR GERAN) and eCall type of emergency services over 5GS and Manual type of eCall initiation
11.5.14	eCall Only mode / 5GS supports IMS voice over PS session / 5GS does not support emergency service / eCall using CS domain	Rel-16	C188	UEs supporting 5G Core and (UTRA OR GERAN) and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
11.6	**3GPP PS Data Off**			
11.6.1	Data Off / MO Voice Call	Rel-15	C162	UEs supporting 5G Core and NG.114 v1.0 default configuration voice exempt and 3GPP PS data off and Initiating session and MTSI speech
11.6.2	Data Off / MO Video Call	Rel-15	C172	UEs supporting 5G Core and NG.114 v2.0 default configuration video exempt and 3GPP PS data off and Initiating session and MTSI video and MTSI video H.265 MP MT Level 3.1 and MTSI video H.264 CHP Level 3.1 and H.264 CBP Level 3.1
11.6.3	Data Off / SMSoIP	Rel-15	C162A	UEs supporting 5G Core and NG.114 v2.0 and 3GPP PS data off and Initiating session and SMS over IP
11.7	**eDRX**			
11.7.1	eDRX / IDLE	Rel-17	C210	UEs supporting 5G Core and eDRX
11.7.2	eDRX / Inactive / RAN-initiated paging	Rel-17	C210A	UEs supporting 5G Core and eDRX and RRC_INACTIVE
11.7.3	eDRX / Inactive / CN-initiated paging / eDRX Allowed / Not Allowed	Rel-17	C210A	UEs supporting 5G Core and eDRX and RRC_INACTIVE

11.8	Inter-system mobility between untrusted Non-3GPP and 3GPP system			
11.8.1	Inter-system mobility between untrusted Non-3GPP and 3GPP system/Handover from NR to N3IWF/5GC	Rel-15	C276	UEs supporting 5G Core and handover from 5G Core Network to 5G Core over non-3GPP Access Network and WLAN
11.8.2	Inter-system mobility between untrusted Non-3GPP and 3GPP system/Handover from N3IWF/5GC to NR / UE in 5GMM-DEREGISTERED states	Rel-15	C248	UEs supporting 5G Core and handover from 5G Core over non-3GPP Access Network to 5G Core Network and WLAN
11.8.3	Inter-system mobility between untrusted Non-3GPP and 3GPP system/Handover from E-UTRAN/EPC to N3IWF/5GC	Rel-15	C277	UEs supporting 5G Core and handover from EPC Network to 5G Core over non-3GPP Access Network and WLAN
11.8.4	Inter-system mobility between untrusted Non-3GPP and 3GPP system/Handover from N3IWF/5GC to E-UTRAN/EPC	Rel-15	C249	UEs supporting 5G Core and handover from 5G Core over non-3GPP Access Network to EPC Network and WLAN
11.8.5	Inter-system mobility between untrusted Non-3GPP and 3GPP system/Handover from 5GS to EPC/ePDG	Rel-15	C208	UEs supporting 5G Core and IMS and handover from 5G Core to EPC over non-3GPP Access Network and GSMA PRD IR.51: "IMS Profile for Voice, Video and SMS over Wi-Fi" and WLAN.
11.8.6	Inter-system mobility between untrusted Non-3GPP and 3GPP system/Handover from EPC/ePDG to 5GS/ UE in 5GMM-DEREGISTERED and EMM-DEREGISTERED states	Rel-15	C237	UEs supporting WLAN and GSMA PRD IR.51: "IMS Profile for Voice, Video and SMS over Wi-Fi" and handover from EPC over non-3GPP Access Network to 5G Core and IMS and 5G Core.

Table 4.1-5b: Additional Information of Applicability of Protocol conformance Multi-layer test cases, ref. TS 38.523-1 [2]

Clause	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
11				
11.1				
11.1.1				Rel-15 E-UTRA
11.1.2				Rel-15 E-UTRA
11.1.3				Rel-15 E-UTRA
11.1.4				Rel-15 E-UTRA
11.1.5				Rel-15 E-UTRA
11.1.6				Rel-15 E-UTRA
11.1.7				Rel-15 E-UTRA
11.1.8				Rel-16 E-UTRA
11.1.9				Rel-16 E-UTRA
11.2				
11.2.1				Rel-16 UTRA
11.3				
11.3.1	pc_inactiveState			
11.3.6	pc_inactiveState			
11.3.6a	pc_inactiveState			
11.4				
11.4.10a				Rel-15 E-UTRA
11.4.11				Rel-15 E-UTRA
11.5				
11.5.1			Note 1	Rel-15 E-UTRA
11.5.2			Note 1	Rel-15 E-UTRA
11.5.3			Note 1	Rel-15 E-UTRA
11.5.4			Note 1	Rel-15 E-UTRA
11.5.5			Note 1	
11.5.6			Note 1	
11.5.7				Rel-16 UTRA
11.5.8		px_NR_RATComb_Tested	Note 1	Rel-9 UTRA
11.5.9		px_NR_RATComb_Tested	Note 1	Rel-9 UTRA
11.5.10		px_NR_RATComb_Tested	Note 1	Rel-9 UTRA
11.5.11		px_NR_RATComb_Tested	Note 1	Rel-9 UTRA
11.5.12			Note 1	Rel-15 E-UTRA
11.5.13		px_NR_RATComb_Tested	Note 1	Rel-9 UTRA
11.5.14		px_NR_RATComb_Tested	Note 1	Rel-9 UTRA
Note 1: This test case can optionally be executed from Release 15 onwards.				

Table 4.1-6a: Applicability of Protocol conformance NR sidelink test cases, ref. TS 38.523-1 [2]

Clause	TC Title	Release	Applicability

			Condition	Comment
12	**NR sidelink**			
12.1	**PC5-only operation**			
12.1.1	**PC5-only operation / Sidelink communication**			
12.1.1.2	PC5-only operation / Sidelink communication / Reception	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.2	**PC5-only operation / Sidelink synchronization related procedure**			
12.1.2.1	PC5-only operation / Sidelink synchronization related procedure / Synchonization reference source (re-)selection	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.2.2	PC5-only operation / Sidelink synchronization related procedure / SL-SSB transmission Initiation and Cease	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.3	**PC5-only operation / Measurement configuration and reporting via PC5 RRC**			
12.1.3.1	PC5-only operation / Measurement configuration and reporting via PC5 RRC / PSBCH-RSRP measurement configuration	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.3.2	PC5-only operation / Measurement configuration and reporting via PC5 RRC / PSBCH-RSRP measurement reporting / Event S1 and S2	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.3.3	PC5-only operation / Measurement configuration and reporting via PC5 RRC / PSBCH-RSRP measurement reporting / Periodical reporting	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.4	**PC5-only operation / Sidelink Reconfiguration via PC5 RRC**			
12.1.4.1	PC5-only operation / Sidelink Reconfiguration via PC5 RRC / SL DRB management / initiating UE side	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.4.2	PC5-only operation / Sidelink Reconfiguration via PC5 RRC / SL DRB management / Peer UE side	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.5	**PC5-only operation / Sidelink CSI reporting**			
12.1.5.1	PC5-only operation / Sidelink CSI reporting / Configuration	Rel-16	C163	UE supporting 5G core and NR sidelink and Sidelink CSI report
12.1.5.2	PC5-only operation / Sidelink CSI reporting / Reporting	Rel-16	C163	UE supporting 5G core and NR sidelink and Sidelink CSI report
12.1.6	**PC5-only operation / Sidelink failure**			
12.1.6.1	PC5-only operation / Sidelink failure / PC5 RRC reconfiguration failure / Initiating UE side	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.6.2	PC5-only operation / Sidelink failure / PC5 RRC reconfiguration failure / Peer UE side	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.6.3	PC5-only operation / Sidelink failure / Sidelink radio link failure / Transmission side	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.6.4	PC5-only operation / Sidelink failure / Sidelink radio link failure / Reception side	Rel-16	C128	UE supporting 5G core and NR sidelink
12.1.7	**PC5-only operation / Sidelink UE capability transfer via PC5 RRC**			
12.1.7.1	PC5-only operation / Sidelink UE capability transfer via PC5 RRC / One-way and two-way transfer	Rel-16	C128	UE supporting 5G core and NR sidelink
12.2	**Inter-carrier concurrent operation**			
12.2.1	**Inter-carrier concurrent operation / Sidelink communication**			
12.2.1.2	Inter-carrier concurrent operation / Sidelink communication / RRC_IDLE / Reception	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.1.3	Inter-carrier concurrent operation / Sidelink communication / RRC_CONNECTED / Transmission / Network scheduling	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.1.5	Inter-carrier concurrent operation / Sidelink communication / RRC_CONNECTED / Transmission / Exceptional pool	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.1.6	Inter-carrier concurrent operation / Sidelink communication / RRC_CONNECTED / Reception	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.2	**Inter-carrier concurrent operation / Sidelink synchronization related procedure**			
12.2.2.1	Inter-carrier concurrent operation / Sidelink synchronization related procedure / Synchonization reference source (re-)selection	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission

12.2.2.2	Inter-carrier concurrent operation / Sidelink synchronization related procedure / SL-SSB transmission Initiation and Cease	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.3	**Inter-carrier concurrent operation / Measurement configuration and reporting via Uu RRC**			
12.2.3.1	Inter-carrier concurrent operation / Measurement configuration and reporting via Uu RRC / CBR measurement reporting / Event C1 and C2	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.3.2	Inter-carrier concurrent operation / Measurement configuration and reporting via Uu RRC / CBR measurement reporting / Periodical reporting	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.4	**Inter-carrier concurrent operation / Sidelink Reconfiguration via Uu RRC**			
12.2.4.1	Inter-carrier concurrent operation / Sidelink Reconfiguration via Uu RRC / SL DRB management / transmission side	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.5	**Inter-carrier concurrent operation / Measurement configuration and reporting via PC5 RRC**			
12.2.5.1	Inter-carrier concurrent operation / Measurement configuration and reporting via PC5 RRC / SL-RSRP measurement configuration	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.5.2	Inter-carrier concurrent operation / Measurement configuration and reporting via PC5 RRC / SL-RSRP measurement reporting / Event S1 and S2	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.5.3	Inter-carrier concurrent operation / Measurement configuration and reporting via PC5 RRC / PSBCH-RSRP measurement reporting / Periodical reporting	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.6	**Inter-carrier concurrent operation / Sidelink Reconfiguration via PC5 RRC**			
12.2.6.1	Inter-carrier concurrent operation / Sidelink Reconfiguration via PC5 RRC / SL DRB management / Initiating UE side	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.7	**Inter-carrier concurrent operation / Sidelink CSI reporting**			
12.2.7.1	Inter-carrier concurrent operation / Sidelink CSI reporting / Configuration	Rel-16	C164	UE supporting 5G core and NR sidelink mode 1 transmission and Sidelink CSI report
12.2.7.2	Inter-carrier concurrent operation / Measurement configuration and reporting via PC5 RRC / SL-RSRP measurement reporting / Event S1 and S2	Rel-16	C164	UE supporting 5G core and NR sidelink mode 1 transmission and Sidelink CSI report
12.2.8	**Inter-carrier concurrent operation / Sidelink failure**			
12.2.8.1	Inter-carrier concurrent operation / Sidelink CSI reporting / Reporting	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.8.2	Inter-carrier concurrent operation / Sidelink failure / PC5 RRC Reconfiguration Failure / Peer UE side	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission
12.2.8.3	Inter-carrier concurrent operation / Sidelink failure / Sidelink radio link failure / transmission side	Rel-16	C106	UE supporting 5G core and NR sidelink mode 1 transmission

Table 4.1-6b: Additional Information of Applicability of Protocol conformance NR sidelink test cases, ref. TS 38.523-1 [2]

Clause	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
TBD				

Table 4.1-7a: Applicability of Protocol conformance NR V2X NAS layer test cases, ref. TS 38.523-1 [2]

Clause	TC Title	Release	Applicability	
			Condition	Comment
13	**V2X NAS layer**			
13.1	**V2X policy provisioning**			

13.1.1	V2X policy provisioning / Precedence / Validity timer expires / geographical area changes	Rel-16	C166	UE supporting 5G Core and V2X communication over NR-PC5
13.2	**PC5 unicast**			
13.2.1	PC5 unicast / link establishment / Reject / Conflict Layer 2 ID	Rel-16	C128	UE supporting 5G core and NR sidelink
13.2.2	PC5 unicast / link Security Mode	Rel-16	C128	UE supporting 5G core and NR sidelink
13.2.3	PC5 unicast / link modification	Rel-16	C128	UE supporting 5G core and NR sidelink
13.2.4	PC5 unicast / link Release / Reestablish PC5 unicast link to same UE	Rel-16	C128	UE supporting 5G core and NR sidelink
13.2.5	PC5 unicast / link identifier update	Rel-16	C128	UE supporting 5G core and NR sidelink transmission mode 2
13.2.6	PC5 unicast / link keep alive	Rel-16	C128	UE supporting 5G core and NR sidelink

Table 4.1-7b: Additional Information of Applicability of Protocol conformance NR V2X NAS layer test cases, ref. TS 38.523-1 [2]

Clause	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
TBD				

Table 4.1-8a: Applicability of Protocol conformance NR MBS test cases, ref. TS 38.523-1 [2]

Clause	TC Title	Release	Applicability	
			Condition	**Comment**
14	**MBS**			
14.1	**MBS Broadcast**			
14.1.1	**MBS Broadcast/ MCCH Information Acquisition**			
14.1.1.1	MBS Broadcast/ MCCH Information Acquisition/ entering the cell providing SIB20	Rel-17	C213	UE supporting 5G Core and broadcast reception.
14.1.1.2	MBS Broadcast/ MCCH Information Acquisition/ becoming interested to receive MBS broadcast services	Rel-17	C213	UE supporting 5G Core and broadcast reception.
14.1.1.3	MBS Broadcast/ MCCH Information Acquisition/ MCCH Information change notification	Rel-17	C213	UE supporting 5G Core and broadcast reception.
14.1.1.4	**MBS Broadcast/ MCCH Information Acquisition/ receiving SIB20 of an SCell via dedicated signalling**			
14.1.1.4.1	MBS Broadcast/ MCCH Information Acquisition/ receiving SIB20 of an SCell via dedicated signalling / Intra-band Contiguous CA	Rel-17	C280	UE supporting 5G Core and broadcast reception on SCell and Intra-band Contiguous CA
14.1.1.4.2	MBS Broadcast/ MCCH Information Acquisition/ receiving SIB20 of an SCell via dedicated signalling / Inter-band CA	Rel-17	C281	UE supporting 5G Core and broadcast reception on SCell and Inter-band CA
14.1.1.4.3	MBS Broadcast/ MCCH Information Acquisition/ receiving SIB20 of an SCell via dedicated signalling / Intra-band non Contiguous CA	Rel-17	C282	UE supporting 5G Core and broadcast reception on SCell and Intra-band non-Contiguous CA
14.1.2	**MBS Broadcast/ Service Continuity**			
14.1.2.1	MBS Broadcast/ Service Continuity/ Cell reselection/ frequency prioritization	Rel-17	C213	UE supporting 5G Core and broadcast reception.
14.1.2.2	MBS Broadcast/ Service Continuity/ Handover/ MBS Interest Indication/ inter-frequency	Rel-17	C213	UE supporting 5G Core and broadcast reception.
14.1.2.3	MBS Broadcast/ Service Continuity/ Handover/ MBS Interest Indication/ intra-frequency	Rel-17	C213	UE supporting 5G Core and broadcast reception.
14.1.3	**MBS Broadcast/ MAC**			
14.1.3.1	MBS Broadcast/ MAC/ Correct HARQ process handling	Rel-17	C213	UE supporting 5G Core and broadcast reception.
14.1.3.2	MBS Broadcast/ MAC/ DRX operation	Rel-17	C213	UE supporting 5G Core and broadcast reception.
14.2	**MBS Multicast**			
14.2.1	**MBS Multicast/ MAC**			
14.2.1.1	**MBS Multicast/ MAC / DL Data Transfer**			
14.2.1.1.1	MBS Multicast / MAC / DL Data Transfer / PTM transmission / PTP transmission / DCI format 4_1	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.1.1.2	MBS Multicast / MAC / DL Data Transfer/ PTM transmission/ DCI format 4_2	Rel-17	C283	UE supporting 5G Core and dynamic scheduling for multicast for PCell and DCI formate 4_2

14.2.1.1.3	MBS Multicast / MAC / DL Data Transfer/ PTM transmission / PTP transmission / Multiple G-RNTIs	Rel-17	C295	UE supporting 5G Core and dynamic scheduling for multicast for PCell and Multiple G-RNTIs.
14.2.1.1.4	MBS Multicast/ MAC / DL Data Transfer/ PTM retransmission for multicast/ RRC-based enabling-disabling HARQ feedback for Multicast / ACK-NACK	Rel-17	C215	UE supporting 5G Core and dynamic scheduling for multicast for PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast
14.2.1.1.5	MBS Multicast/ MAC / DL Data Transfer/ PTP retransmission for multicast/ RRC-based enabling-disabling HARQ feedback for Multicast/ ACK-NACK	Rel-17	C216	UE supporting 5G Core and dynamic scheduling for multicast for PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast and PTP retransmission for multicast on the same cell as multicast initial transmission
14.2.1.1.6	MBS Multicast/ MAC / DL Data Transfer/ PTM retransmission for multicast/ DCI-based enabling-disabling HARQ feedback for Multicast/ ACK-NACK	Rel-17	C284	UE supporting 5G Core and dynamic scheduling for multicast for PCell and DCI formate 4-2 and DCI-based enabling/disabling ACK/NACK based HARQ-ACK feedback configured per G-RNTI by RRC signalling via DCI format 4_2
14.2.1.1.7	MBS Multicast/ MAC / DL Data Transfer/ RRC-based enabling-disabling HARQ feedback for Multicast / NACK-only	Rel-17	C252	UE supporting 5G Core and dynamic scheduling for multicast for PCell and NACK-only based HARQ-ACK feedback for multicast with ACK/NACK transforming
14.2.1.1.8	MBS Multicast/ MAC / DL Data Transfer/ Multiplex multicast HARQ-ACK information with unicast HARQ-ACK information	Rel-17	C253	UE supporting 5G Core and dynamic scheduling for multicast for PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast and multiplexing HARQ-ACK for unicast and for multicast with the same priority and different HARQ-ACK codebook types in a PUCCH or in a PUSCH
14.2.1.1.9	MBS Multicast/ MAC / DL Data Transfer/ DCI-based enabling-disabling HARQ feedback for Multicast/ NACK-only	Rel-17	C285	UE supporting 5G Core and dynamic scheduling for multicast for PCell and DCI formate 4-2 and DCI-based enabling/disabling NACK-only based HARQ-ACK feedback configured per G-RNTI by RRC signalling via DCI format 4_2
14.2.1.2	**MBS Multicast/ MAC/ DRX operation**			
14.2.1.2.1	MBS Multicast/ MAC/ DRX operation/ PTM transmission / PTP transmission	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.1.2.2	MBS Multicast/ MAC/ DRX operation/ PTM retransmission for multicast	Rel-17	C215	UE supporting 5G Core and dynamic scheduling for multicast for PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast
14.2.1.2.3	MBS Multicast/ MAC/ DRX operation/ PTP retransmission for multicast	Rel-17	C216	UE supporting 5G Core and dynamic scheduling for multicast for PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast and PTP retransmission for multicast on the same cell as multicast initial transmission
14.2.1.3	**MBS Multicast/ MAC/ SPS**			
14.2.1.3.1	MBS Multicast/ MAC/ SPS/ PTM transmission	Rel-17	C296	UE supporting 5G Core and dynamic scheduling for multicast for PCell and SPS group common PDSCH for multicast on PCell.
14.2.1.3.2	MBS Multicast/ MAC/ SPS/ PTM retransmission for multicast	Rel-17	C297	UE supporting 5G Core and dynamic scheduling for multicast for PCell and SPS group-common PDSCH for multicast on PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for SPS group-common PDSCH for multicast.
14.2.1.3.3	MBS Multicast/ MAC/ SPS/ PTP retransmission for multicast	Rel-17	C298	UE supporting 5G Core and dynamic scheduling for multicast for PCell and SPS group-common PDSCH for multicast on PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for SPS group-common PDSCH for multicast and PTP retransmission associated with CS-RNTI for SPS multicast on the cell same as multicast initial transmission.

14.2.1.3.4	MBS Multicast/ MAC/ SPS/ CS-RNTI release	Rel-17	C299	UE supporting 5G Core and dynamic scheduling for multicast for PCell and SPS group-common PDSCH for multicast on PCell and unicast PDCCH scrambled with CS-RNTI to release SPS group-common PDSCH.
14.2.2	**MBS Multicast/ RLC**			
14.2.2.1	MBS Multicast/ UM RLC / 6bit SN /Correct set initial value for UM receive state variable/ PTM	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.2.2	MBS Multicast/ UM RLC / 12bit SN /Correct set initial value for UM receive state variable/ PTM	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.3	**MBS Multicast / PDCP**			
14.2.3.1	MBS Multicast / PDCP/ PDCP HFN and SN maintenance / Non-Lossless handover / 12 bit SN	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.3.2	MBS Multicast / PDCP/ PDCP HFN and SN maintenance / Non-Lossless handover / 18 bit SN	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.3.3	MBS Multicast / PDCP/ PDCP HFN and SN maintenance /Lossless handover/ PDCP status report / 12 bit SN	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.3.4	MBS Multicast / PDCP/ PDCP HFN and SN maintenance /Lossless handover/ PDCP status report / 18 bit SN	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.4	**MBS Multicast / RRC**			
14.2.4.1	**MBS Multicast / RRC / Paging**			
14.2.4.1.1	MBS Multicast / RRC / Paging for group notification / RRC_IDLE	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.4.1.2	MBS Multicast / RRC / Paging for group notification / RRC_INACTIVE	Rel-17	C254	UE supporting 5G Core and dynamic scheduling for multicast for PCell and RRC_INACTIVE
14.2.4.2	**MBS Multicast / RRC / MRB Reconfiguration**			
14.2.4.2.1	MBS Multicast / RRC / MRB Reconfiguration / Establishment / Modification / Release / Success	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.4.3	**MBS Multicast/ RRC/ Handover**			
14.2.4.3.1	MBS Multicast/ RRC/ Handover between multicast supporting cell / Success	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.4.3.2	MBS Multicast / RRC / Handover between multicast supporting cell / Failure/ Re-establishment successful	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.4.3.3	MBS Multicast/ RRC/ Handover between Multicast-supporting cell and Multicast non-supporting cell / Success	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.5	**MBS Multicast/ Session management**			
14.2.5.1	**MBS Multicast/ Session management / Network-requested PDU session modification**			
14.2.5.1.1	MBS Multicast/ Session management / Network-requested PDU session modification / Remove UE from multicast MBS session	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.5.1.2	MBS Multicast/ Session management / Network-requested PDU session modification / MBS service area update	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.5.2	**MBS Multicast/ Session management / UE-requested PDU session establishment / UE-requested PDU session modification**			
14.2.5.2.1	MBS Multicast/ Session management / UE-requested PDU session establishment / UE-requested PDU session modification / Join MBS multicast session / Accepted	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.5.2.2	MBS Multicast/ Session management / UE-requested PDU session establishment / UE-requested PDU session modification / Join MBS multicast session / Rejected / User is outside of local MBS service area	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.5.2.3	MBS Multicast/ Session management / UE-requested PDU session establishment / UE-requested PDU session modification / Join MBS multicast session / Rejected / MBS session has not started or will not start soon	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell
14.2.5.2.4	MBS Multicast/ Session management / UE-requested PDU session modification / Leave MBS multicast session / Accepted	Rel-17	C214	UE supporting 5G Core and dynamic scheduling for multicast for PCell

Table 4.1-8b: Additional Information of Applicability of Protocol conformance NR MBS test cases, ref. TS 38.523-1 [2]

Clause	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
14				
14.1				
14.1.1				
14.1.1.1	pc_inactiveState			
14.1.2				
14.1.2.1	pc_inactiveState			
14.1.3				
14.1.3.2	pc_inactiveState			
14.2.1				
14.2.1.1				
14.2.1.1.7	pc_mux_HARQ_ACK_UnicastMulticast_r17			

4.2 Protocol conformance test cases Applicability Condition

Table 4.2-1: Applicability of Protocol conformance test cases Conditions

Condition	Test case Selection Expression	Comment
C01	IF A.4.1-3/2 THEN R ELSE N/A	UEs supporting EN-DC
C02	IF A.4.3.4-1/2 OR A.4.3.4-1/3 THEN R ELSE N/A	UEs supporting 5GS and RLC UM Mode
C03	IF A.4.3.5-1/1 THEN R ELSE N/A	UEs supporting 5GS and Long DRX Cycle
C04	IF A.4.3.5-1/2 THEN R ELSE N/A	UEs supporting 5GS and short DRX cycle
C05	IF A.4.3.4-1/3 THEN R ELSE N/A	UEs supporting 5GS and RLC UM with 6-bit length of RLC sequence number
C06	IF A.4.3.4-1/2 THEN R ELSE N/A	UEs supporting 5GS and RLC UM with 12-bit length of RLC sequence number
C07	IF A.4.3.4-1/1 THEN R ELSE N/A	UEs supporting 5GS and RLC AM with 12-bit length of RLC sequence number
C07A	IF A.4.3.4-1/1A THEN R ELSE N/A	UEs supporting 5GS and RLC AM with 18-bit length of RLC sequence number
C08	IF A.4.3.3-1/1 THEN R ELSE N/A	UEs supporting 5GS and 12-bit length of PDCP sequence number
C08A	IF A.4.3.3-1/1A THEN R ELSE N/A	UEs supporting 5GS and 18-bit length of PDCP sequence number
C09	IF [10] A.4.4-1/99 THEN R ELSE N/A	UEs supporting 5GS and ZUC Algorithm
C10	IF A.4.1-3/2 AND A.4.3.7-1/2 THEN R ELSE N/A	UEs supporting EN-DC and UL transmission via both MCG path and SCG path for the split DRB
C11	IF A.4.3.2-1/2 OR A.4.3.2-1/3 THEN R ELSE N/A	UEs supporting 5GS and 256QAM for PDSCH for FR1/FR2
C12	IF A.4.3.2-1/4 THEN R ELSE N/A	UEs supporting 5GS and 256QAM for PUSCH
C13	IF A.4.1-3/2 AND A.4.3.6-1/1 THEN R ELSE N/A	UEs supporting EN-DC and NR measurements and Event A triggered reporting
C14	IF A.4.1-3/2 AND A.4.3.6-1/1 AND A.4.3.6-1/3 THEN R ELSE N/A	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and NR-Inter frequency measurements and at least periodical reporting)
C15	IF A.4.1-3/2 AND A.4.3.6-1/1 AND A.4.3.6-1/3 AND (A.4.3.6-1/4 OR A.4.3.6-1/40) THEN R ELSE N/A	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and Inter frequency measurements and at least periodical reporting) and CSI-RSRP and CSI-RSRQ measurement
C16	IF A.4.1-3/2 AND [10] A.4.4-1/18 AND [10] A.4.4-1/19 THEN R ELSE N/A	UEs supporting EN-DC and UE requested bearer resource allocation and modification procedures
C17	IF A.4.3.2-1/1 THEN R ELSE N/A	UEs supporting 5GS and PDSCH reception based on semi-persistent scheduling
C18	IF A.4.3.2-1/10 THEN R ELSE N/A	UEs supporting 5GS and Type 1 PUSCH transmissions with configured grant
C19	IF A.4.3.2-1/11 THEN R ELSE N/A	UEs supporting 5GS and Type 2 PUSCH transmissions with configured grant
C20	IF A.4.3.2-1/12 THEN R ELSE N/A	UEs supporting 5GS and PDSCH aggregation
C21	IF A.4.1-5/1 THEN R ELSE N/A	UEs supporting 5G Core
C21A	IF A.4.1-5/1 AND A.4.3.7-1/4 THEN R ELSE N/A	UEs supporting 5G Core and reflective QoS
C22	IF A.4.1-3/2 AND A.4.3.7-1/3 THEN R ELSE N/A	UEs supporting EN-DC and SRB3
C23	IF A.4.1-3/2 AND A.4.3.7-1/3 AND A.4.3.7-1/1 THEN R ELSE N/A	UEs supporting EN-DC and SRB3 and (UL transmission via either MCG path or SCG path for the split SRB)
C24	IF A.4.1-3/2 AND A.4.3.6-1/3 AND A.4.3.6-1/2 AND A.4.1-4/3 THEN R ELSE N/A	UEs supporting EN-DC and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and (two independent measurement gap configurations for FR1 and FR2) and Inter-Band EN-DC within FR1
C25	IF A.4.1-3/2 AND A.4.3.6-1/3 AND A.4.3.6-1/2 AND A.4.1-4/4 THEN R ELSE N/A	UEs supporting EN-DC and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and (two independent measurement gap configurations for FR1 and FR2) and Inter-Band EN-DC including FR2
C26	IF [10] A.4.1-1/1 OR [10] A.4.1-1/2 THEN R ELSE N/A	UEs supporting 5GS and E-UTRA
C27	IF A.4.1-5/1 AND A.4.3.6-1/1 THEN R ELSE N/A	UEs supporting 5G Core and NR measurements and Event A triggered reporting
C28	IF A.4.3.2-1/13 THEN R ELSE N/A	UEs supporting 5GS and supplemental uplink with dynamic switch
C29	IF A.4.1-5/2 AND [10] A.4.1-1/5 THEN R ELSE N/A	UEs supporting 5G core over non-3GPP Access Network and WLAN
C30	IF A.4.1-5/2 AND A.4.3.7-1/6 AND [10] A.4.1-1/5 THEN R ELSE N/A	UEs supporting 5G core over non-3GPP Access Network and SMS over NAS and WLAN
C31	IF A.4.1-5/1 AND A.4.3.6-1/5 THEN R ELSE N/A	UEs supporting 5G Core and Inter-RAT E-UTRA measurements and Event B triggered reporting
C32	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA
C32a	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.4-1/6 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and logged MDT
C33	IF A.4.1-5/1 AND A.4.3.7-1/6 AND NOT [10] A.4.4-2/32 THEN R ELSE N/A	UEs supporting 5G Core and SMS over NAS and UE configured to not use SMSoIP
C34	IF A.4.1-5/1 AND [10] A.4.4-1/84 THEN R ELSE N/A	UEs supporting 5G Core and MinimumPeriodicSearchTimer
C35	IF A.4.1-5/1 AND (A.4.3.7-1/8 OR A.4.3.7-1/7) THEN R ELSE N/A	UEs supporting 5G Core and (ETWS reception or CMAS reception)
C36	IF A.4.1-5/1 AND [10] A.4.4-1/69 THEN R ELSE N/A	UEs supporting 5G Core and user initiated PLMN reselection in automatic mode on NR

Condition	Test case Selection Expression	Comment
C37	IF A.4.1-5/1 AND (A.4.1-2/1 OR A.4.1-2/2) THEN R ELSE N/A	UEs supporting 5G Core and more than 1 FDD or TDD NR band
C38	IF A.4.1-5/1 AND A.4.1-1/1 AND A.4.1-1/2 THEN R ELSE N/A	UEs supporting 5G Core and NR FDD and NR TDD
C39	IF A.4.1-5/1 AND A.4.3.7-1/9 THEN R ELSE N/A	UEs supporting 5G Core and additional UE-requested PDU establishment
C39A	IF A.4.1-5/1 AND A.4.3.7-1/9 AND A.4.3.7-1/54 THEN R ELSE N/A	UEs supporting 5G Core and additional UE-requested PDU establishment and support of EAP-AKA' as EAP method for PDU session authentication and authorization
C40	IF A.4.1-5/1 AND A.4.3.6-1/6 THEN R ELSE N/A	UEs supporting 5G Core and SS-SINR measurements
C41	IF A.4.1-5/1 AND (A.4.1-4A/1 OR A.4.1-4A/3) THEN R ELSE N/A	UEs supporting 5G Core and intra-band contiguous CA
C42	IF A.4.1-5/1 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) THEN R ELSE N/A	UEs supporting 5G Core and inter-band CA
C43	IF A.4.1-5/1 AND (A.4.1-4A/2 OR A.4.1-4A/4) THEN R ELSE N/A	UEs supporting 5G Core and intra-band non-contiguous CA
C44	IF (A.4.1-4A/1 OR A.4.1-4A/3) THEN R ELSE N/A	UEs supporting 5GS and intra-band contiguous CA
C45	IF (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) THEN R ELSE N/A	UEs supporting 5GS and inter-band CA
C46	IF (A.4.1-4A/2 OR A.4.1-4A/4) THEN R ELSE N/A	UEs supporting 5GS and intra-band non-contiguous CA
C47	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [10] A.4.2.1.1-1/4 AND A.4.3.7-1/11 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and EPS IMS emergency call (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and Emergency Services Fallback in NR connected to 5GCN
C48	Void	
C49	IF A.4.1-5/1 AND A.4.3.6-1/2 THEN R ELSE N/A	UE supporting 5G Core and two independent measurement gap configurations for FR1 and FR2
C50	IF A.4.1-5/1 AND A.4.3.6-1/5 AND A.4.3.6-1/42 THEN R ELSE N/A	UEs supporting 5G Core and Inter-RAT E-UTRA measurements and Event B triggered reporting and E-UTRA RS-SINR measurements
C51	IF A.4.3.2-1/21 THEN R ELSE N/A	UEs supporting 5GS and PUSCH aggregation
C52	IF A.4.1-5/1 AND A.4.3.6-1/1 AND A.4.3.6-1/3 AND (A.4.3.6-1/4 OR A.4.3.6-1/40) THEN R ELSE N/A	UEs supporting 5G Core and NR measurements and Event A triggered reporting and (NR Intra-frequency and Inter frequency measurements and at least periodical reporting) and CSI-RSRP and CSI-RSRQ measurement
C53	IF A.4.3.5-1/4 THEN R ELSE N/A	UEs supporting 5GS and Logical Channel SR-Delay Timer
C54	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [10] A.4.4-1/33 AND A.4.3.7-1/12 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and EPS IMS Voice (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and EPS fallback
C55	IF A.4.1-3/2 AND A.4.3.6-1/1 AND (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.7-1/3 THEN R ELSE N/A	UEs supporting EN-DC and NR measurements and Event A triggered reporting and intra-band contiguous CA and SRB3
C56	IF A.4.1-3/2 AND A.4.3.6-1/1 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) AND A.4.3.7-1/3 THEN R ELSE N/A	UEs supporting EN-DC and NR measurements and Event A triggered reporting and inter-band CA and SRB3
C57	IF A.4.1-3/2 AND A.4.3.6-1/1 AND (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.7-1/3 THEN R ELSE N/A	UEs supporting EN-DC and NR measurements and Event A triggered reporting and intra-band non-contiguous CA and SRB3
C58	IF A.4.1-5/2 AND [10] A.4.1-1/5.AND A.4.4-1/1	UEs supporting 5G core over non-3GPP Access Network, WLAN and (ICMP or ICMP IPv6)
C59	IF A.4.1-5/1 AND A.4.3.6-1/8 THEN R ELSE N/A	UEs supporting 5G Core and Support acquisition of relevant information from a neighbouring intra-frequency or inter-frequency NR cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when EN-DC is not configured
C60	IF A.4.1-5/1 AND A.4.3.6-1/7 THEN R ELSE N/A	UEs supporting 5G Core and Support acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the EN-DC is not configured
C61	IF A.4.1-3/2 AND A.4.3.3-1/6 THEN R ELSE N/A	UEs supporting EN-DC and PDCP duplication over split SRB1/2
C62	IF A.4.1-3/2 AND A.4.3.3-1/4 THEN R ELSE N/A	UEs supporting EN-DC and PDCP duplication over split DRB
C63	IF A.4.1-5/1 AND A.4.3.7-1/13 THEN R ELSE N/A	UEs supporting 5G Core and UE requested PDU session modification procedure
C64	IF A.4.3.2-1/23 THEN R ELSE N/A	UEs supporting 5GS and The maximum number of spatial multiplexing layer(s) supported by the UE for DL reception is 8 Layers. For single CC standalone NR, it is mandatory with capability signalling to support at least 4 MIMO layers in the bands where 4Rx is specified as mandatory for the given UE and at least 2 MIMO layers in FR2. If absent, the UE doesn't support MIMO on this carrier

Condition	Test case Selection Expression	Comment
C65	IF A.4.3.2-1/23 AND A.4.3.2-1/4 THEN R ELSE N/A	UEs supporting 5GS and The maximum number of spatial multiplexing layer(s) supported by the UE for DL reception is 8 Layers. For single CC standalone NR, it is mandatory with capability signalling to support at least 4 MIMO layers in the bands where 4Rx is specified as mandatory for the given UE and at least 2 MIMO layers in FR2. If absent, the UE doesn't support MIMO on this carrier
C66	IF (A.4.3.2-1/24 OR A.4.3.2-1/24A) AND (A.4.3.2-1/42 OR A.4.3.2-1/42a OR A.4.3.2-1/42b OR A.4.3.2-1/43 OR A.4.3.2-1/43a OR A.4.3.2-1/43b) THEN R ELSE N/A	UEs supporting 5GS and (DCI and timer based active BWP switching delay type1 or type2) and ((BWP adaptation up to 2 NR FR1 FDD or NR FR1 TDD or NR FR2) or (BWP adaptation up to 4 NR FR1 FDD or NR FR1 TDD or NR FR2))
C67	IF A.4.1-3/2 AND (A.4.1-4A/1 OR A.4.1-4A/3) THEN R ELSE N/A	UEs supporting EN-DC and Intra-Band Contiguous CA
C68	IF A.4.1-3/2 AND (A.4.1-4A/2 OR A.4.1-4A/4) THEN R ELSE N/A	UEs supporting EN-DC and Intra-Band Non-Contiguous CA
C69	IF A.4.1-3/2 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) THEN R ELSE N/A	UEs supporting EN-DC and Inter-Band CA
C70	IF A.4.3.5-1/1 AND A.4.3.5-1/2 THEN R ELSE N/A	UEs supporting 5GS and Long DRX Cycle and Short DRX Cycle
C71	IF A.4.1-3/2 AND A.4.3.7-1/3 AND A.4.3.6-1/3 THEN R ELSE N/A	UEs supporting EN-DC and SRB3 and NR intra-frequency and inter-frequency measurements and at least periodical reporting
C72	IF A.4.1-5/1 AND (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.3-1/3 AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting 5G Core and intra-band contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
C73	IF A.4.1-5/1 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) AND A.4.3.3-1/3 AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting 5G Core and inter-band CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
C74	IF A.4.1-5/1 AND (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.3-1/3 AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting 5G Core and intra-band non-contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
C75	IF A.4.1-3/2 AND A.4.3.7-1/3 AND (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.3-1/3 AND A.4.3.2B.2.0-2A/2 THEN R ELSE N/A	UEs supporting EN-DC and SRB3 and intra-band contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and EN-DC with 2 NR UL carriers
C76	IF A.4.1-3/2 AND A.4.3.7-1/3 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) AND A.4.3.3-1/3 AND A.4.3.2B.2.0-2A/2 THEN R ELSE N/A	UEs supporting EN-DC and SRB3 and inter-band CA and CA-based PDCP duplication over MCG or SCG DRB and EN-DC with 2 NR UL carriers
C77	IF A.4.1-3/2 AND A.4.3.7-1/3 AND (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.3-1/3 AND A.4.3.2B.2.0-2A/2 THEN R ELSE N/A	UEs supporting EN-DC and SRB3 and intra-band non-contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and EN-DC with 2 NR UL carriers
C78	IF A.4.1-5/1 AND [9] A.3A/50 AND [9] A.4/2B AND [9] A.15/1 AND [9] A.3A/61 THEN R ELSE N/A	UEs supporting 5G Core and Initiating session and MTSI speech and SMS over IP
C79	IF A.4.1-5/1 AND [9] A.3A/50 AND [9] A.4/2B AND [9] A.15/3 AND [9] A.15/11 AND [9] A.15/12 AND [9] A.15/13 AND [9] A.21/1 THEN R ELSE N/A	UEs supporting 5G Core and Initiating session and MTSI video and MTSI video H.265 MP MT Level 3.1 and MTSI video H.264 CHP Level 3.1 and H.264 CBP Level 3.1 and NG114 v1.0
C80	IF A.4.1-4/6 THEN R ELSE N/A	UEs supporting NR-DC
C81	IF A.4.1-5/1 AND (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting 5G Core and intra-band contiguous CA and UL NR CA with 2 carriers
C81A	IF A.4.1-3/2 AND A.4.1-4/1 AND A.4.3.2B.2.0-2A/2 THEN R ELSE N/A	UEs supporting EN-DC and intra-band contiguous CA and EN-DC with 2 NR UL carriers
C82	IF A.4.1-5/1 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting 5G Core and inter-band CA and UL NR CA with 2 carriers
C82A	IF A.4.1-3/2 AND (A.4.1-4/3 OR A.4.1-4/4 OR A.4.1-4/5) AND A.4.3.2B.2.0-2A/2 THEN R ELSE N/A	UEs supporting EN-DC and inter-band CA and EN-DC with 2 NR UL carriers
C83	IF A.4.1-5/1 AND (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting 5G Core and intra-band non-contiguous CA and UL NR CA with 2 carriers
C83A	IF A.4.1-3/2 AND A.4.1-4/2 AND A.4.3.2B.2.0-2A/2 THEN R ELSE N/A	UEs supporting EN-DC and intra-band non-contiguous CA and EN-DC with 2 NR UL carriers
C84	IF A.4.1-5/1 AND [10] A.4.4-1/99 THEN R ELSE N/A	UEs supporting 5G Core and ZUC algorithm
C85	Void	
C85A	IF (A.4.1-5/1 AND A.4.4-2/9) AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [10] A.4.2.1.1-1/4 AND A.4.3.7-1/14 THEN R ELSE N/A	UEs supporting 5G core and Emergency PDN connection transfer from S1 mode to N1 mode when network does not support N26 interface, and, E-UTRA and EPS IMS emergency call (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and emergency services in NR connected to 5GCN
C85B	IF (A.4.1-5/1 AND A.4.4-2/8) AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [10] A.4.2.1.1-1/4 AND A.4.3.7-1/32 THEN R ELSE N/A	UEs supporting 5G core and Emergency PDU session transfer from N1 mode to S1 mode when network does not support N26 interface, and, E-UTRA and EPS IMS emergency call (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and IMS voice over NR
C86	IF A.4.1-4/6 AND A.4.3.7-1/3 THEN R ELSE N/A	UEs supporting NR-DC and SRB3
C87	IF A.4.1-4/6 AND A.4.3.7-1/3 AND A.4.3.6-1/3 THEN R ELSE N/A	UEs supporting NR-DC and SRB3 and NR intra-frequency and inter-frequency measurements and at least periodical reporting
C88	IF A.4.1-4/6 AND A.4.3.7-1/3 AND (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.3-1/3 AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting NR-DC and SRB3 and intra-band contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers

Condition	Test case Selection Expression	Comment
C89	IF A.4.1-4/6 AND A.4.3.7-1/3 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) AND A.4.3.3-1/3 AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting NR-DC and SRB3 and inter-band CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
C90	IF A.4.1-4/6 AND A.4.3.7-1/3 AND (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.3-1/3 AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting NR-DC and SRB3 and intra-band non-contiguous CA and CA-based PDCP duplication over MCG or SCG DRB and UL NR CA with 2 carriers
C91	IF A.4.1-5/1 AND [10] A.4.4-1/98 THEN R ELSE N/A	UEs supporting 5G Core and ManualModeNetworkSelectionException
C92	IF A.4.1-5/1 AND A.4.3.7-1/14 THEN R ELSE N/A	UEs supporting 5G Core and emergency services in NR connected to 5GCN
C93	IF A.4.1-3/2 AND A.4.3.6-1/1 AND A.4.3.6-1/3 AND (A.4.1-2/1 OR A.4.1-2/2 OR (A.4.1-1/1 AND A.4.1-1/2)) THEN R ELSE N/A	UEs supporting EN-DC and NR measurements and Event A triggered reporting and (NR Intra-frequency and NR-Inter frequency measurements and at least periodical reporting) and multiple NR bands
C94	IF A.4.1-5/1 AND (A.4.1-2/1 OR A.4.1-2/2 OR (A.4.1-1/1 AND A.4.1-1/2)) THEN R ELSE N/A	UEs supporting 5G Core and multiple NR bands
C95	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [10] A.4.4-1/33 AND A.4.3.7-1/12 AND A.4.3.7-1/15 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and EPS IMS Voice (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS") and EPS fallback and voiceFallbackIndication
C96	IF A.4.1-5/1 AND A.4.1-3/2 AND A.4.3.8-1/10 THEN R ELSE N/A	UEs supporting 5G Core and EN-DC and inter-RAT Handover from NR to EN-DC
C97	IF A.4.1-4/6 AND A.4.3.7-1/2 THEN R ELSE N/A	UEs supporting NR-DC and UL transmission via both MCG path and SCG path for the split DRB
C98	IF A.4.1-4/6 AND A.4.3.3-1/4 THEN R ELSE N/A	UEs supporting NR-DC and PDCP duplication over split DRB
C99	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND (A.4.3.8-1/6 OR A.4.3.8-1/7 OR A.4.3.8-1/8)THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and (inter-RAT Handover to NR FR1 TDD from EUTRA connected to EPC or inter-RAT Handover to NR FR1 FDD from EUTRA connected to EPC or inter-RAT Handover to NR FR2 TDD from EUTRA connected to EPC)
C100	IF A.4.1-5/1 AND [9] A.15/1 AND A.4.3.5-1/9 THEN R ELSE N/A	UEs supporting 5G Core and MTSI speech and bit rate recommendation query message
C101	IF A.4.1-5/1 AND A.4.3.8-1/9 THEN R ELSE N/A	UEs supporting 5G Core and intra-frequency DAPS handover
C102	IF A.4.3.2-1/30 THEN R ELSE N/A	UEs supporting 5GS and cross slot scheduling
C103	IF A.4.3.5-1/1 AND A.4.3.5-1/5 THEN R ELSE N/A	UEs supporting 5GS and Long DRX Cycle and DRX adaptation
C104	IF (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.2A.1-1/2 AND A.4.3.2A.1-2/2 AND A.4.3.3-1/5 THEN R ELSE N/A	UEs supporting 5GC and Intra-band contiguous CA and DL and UL NR CA with 3 carriers and PDCP duplication with more than two RLC entities
C105	IF (A.4.3.4-1/2 OR A.4.3.4-1/3) AND A.4.3.3-1/7 THEN R ELSE N/A	UEs supporting 5GS and RLC UM mode and PDCP ethernet header compression
C106	IF A.4.1-5/1 AND A.4.3.10-1/1 THEN R ELSE N/A	UE supporting 5G core and NR sidelink mode 1 transmission
C107	IF A.4.3.2-1/32 THEN R ELSE N/A	UE's supporting multi-DCI based multi-TRP
C108	IF A.4.1-5/1 AND A.4.3.7-1/17 THEN R ELSE N/A	UEs supporting 5G Core and RACS
C109	IF A.4.1-5/1 AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and RRC_INACTIVE
C109A	IF A.4.1-5/1 AND A.4.3.7-1/19 AND A.4.4-2/10 THEN R ELSE N/A	UEs supporting 5G Core and RRC_INACTIVE and UE's usage setting as data centric
C110	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and RRC_INACTIVE
C111	IF A.4.1-5/1 AND (A.4.3.7-1/8 OR A.4.3.7-1/7) AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and (ETWS reception or CMAS reception) and RRC_INACTIVE
C112	Void	

Condition	Test case Selection Expression	Comment
C113	IF A.4.1-5/1 AND A.4.3.2-1/1 AND A.4.3.2/121 [Editor's note: shall be A.4.3.2-1/121] THEN R ELSE N/A	UEs supporting 5G Core and PDSCH reception based on semi-persistent scheduling and up to 8 configured SPS configurations in a BWP of a serving cell and up to 32 configured SPS configurations in a cell group
C114	IF A.4.1-5/1 AND A.4.3.5-1/6 THEN R ELSE N/A	UEs supporting 5GS and LCH-based UL grant prioritization
C115	IF A.4.1-5/1 AND A.4.3.8-1/11 THEN R ELSE N/A	UEs supporting 5G Core and conditional handover
C116	IF A.4.1-5/1 AND A.4.3.8-1/11 AND A.4.3.8-1/13 THEN R ELSE N/A	UEs supporting 5G Core and conditional handover and supporting 2 trigger events for same execution condition
C117	IF A.4.1-5/1 AND A.4.3.8-1/11 AND A.4.3.8-1/12 THEN R ELSE N/A	UEs supporting 5G Core and conditional handover and conditional handover during re-establishment procedure when the selected cell is configured as candidate cell for condition handover
C118	IF A.4.3.5-1/1 AND A.4.3.5-1/5 AND A.4.3.2-1/35 AND (A.4.1-4A/1 OR A.4.1-4A/3) THEN R ELSE N/A	UEs supporting 5GS and Long DRX Cycle and DRX adaptation and SCell Dormancy indication outside active time and intra-band contiguous CA
C119	IF A.4.3.5-1/1 AND A.4.3.5-1/5 AND A.4.3.2-1/35 AND (A.4.1-4A/2 OR A.4.1-4A/4) THEN R ELSE N/A	UEs supporting 5GS and Long DRX Cycle and DRX adaptation and SCell Dormancy indication outside active time and intra-band non-contiguous CA
C120	IF A.4.3.5-1/1 AND A.4.3.5-1/5 AND A.4.3.2-1/35 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) THEN R ELSE N/A	UEs supporting 5GS and Long DRX Cycle and DRX adaptation and SCell Dormancy indication outside active time and inter-band CA
C121	Void	
C122	IF A.4.1-5/1 AND A.4.4-1/5 THEN R ELSE N/A	UEs supporting 5G Core and UL PDCP Packet Delay per DRB
C123	IF A.4.1-5/1 AND A.4.4-1/6 THEN R ELSE N/A	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE
C124	IF A.4.1-5/1 AND A.4.4-1/4 AND A.4.4-1/6 THEN R ELSE N/A	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE and equipped with a GNSS receiver to provide detailed location information
C125	IF A.4.1-5/1 AND A.4.4-1/6 AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G core and RRC_INACTIVE and logged measurements in RRC_IDLE and RRC_INACTIVE
C126	IF A.4.1-5/1 AND A.4.4-1/4 THEN R ELSE N/A	UEs supporting 5G Core and equipped with a GNSS or A-GNSS receiver to provide detailed location information
C127	IF A.4.1-5/1 AND [10] A.4.1-1/6 AND A.4.3.8-1/11 THEN R ELSE N/A	UEs supporting 5G Core and UTRA and NR to UTRA-FDD CELL_DCH CS handover
C128	IF A.4.1-5/1 AND A.4.1-1/3 THEN R ELSE N/A	UE supporting 5G core and NR sidelink
C129	IF A.4.1-5/1 AND A.4.3.7-1/18 THEN R ELSE N/A	UEs supporting 5G Core and RRC message Segmentation in the UL
C130	IF A.4.1-5/1 AND A.4.3.8-1/15 THEN R ELSE N/A	UEs supporting 5G Core and inter-frequency DAPS handover
C131	IF A.4.1-5/1 AND A.4.3.7-1/24 THEN R ELSE N/A	UEs supporting 5G Core and SNPN
C132	IF A.4.1-5/1 AND A.4.3.7-1/23 THEN R ELSE N/A	UEs supporting 5G Core and CAG
C133	IF A.4.1-5/1 AND A.4.3.7-1/21 THEN R ELSE N/A	UEs supporting 5G Core and RRC connection release with Deprioritisation
C134	IF A.4.3.2-1/45 THEN R ELSE N/A	UEs supporting PUSCH repetition type B
C135	IF A.4.3.2-1/46 THEN R ELSE N/A	UEs supporting 2-Step RACH

Condition	Test case Selection Expression	Comment
C136	IF A.4.1-5/1 AND A.4.4-1/3 THEN R ELSE N/A	UEs supporting 5G Core and delivery of rachReport upon request from the network
C137	IF A.4.1-5/1 AND A.4.4-1/6 AND A.4.4-1/12 THEN R ELSE N/A	UEs supporting 5G core and logged MDT and Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state
C138	IF A.4.1-5/1 AND A.4.4-1/6 AND A.4.4-1/13 THEN R ELSE N/A	UEs supporting 5G core and logged MDT and WLAN measurements in RRC_IDLE and RRC_INACTIVE state
C139	IF A.4.1-5/1 AND (A.4.4-1/7 OR A.4.4-1/8 OR A.4.4-1/9) THEN R ELSE N/A	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355
C139a	IF A.4.1-5/1 AND (A.4.4-1/7 OR A.4.4-1/8 OR A.4.4-1/9) AND A.4.4-1/6 THEN R ELSE N/A	UEs supporting 5G Core and collection of sensor information such as Barometric pressure, UE speed, and UE orientation information as defined in TS 37.355 and logged MDT
C140	IF A.4.1-5/1 AND A.4.4-1/10 THEN R ELSE N/A	UEs supporting 5G core and Bluetooth Measurement Collection in Immediate MDT
C141	IF A.4.1-5/1 AND A.4.4-1/11 THEN R ELSE N/A	UEs supporting 5G core and WLAN Measurement Collection in Immediate MDT
C142	IF A.4.1-5/1 AND A.4.3.5-1/10 THEN R ELSE N/A	UEs supporting 5G Core and PUSCH transmissions on multiple configured uplink grants
C143	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.4-1/4 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and standalone GNSS receiver to provide detailed location information
C144	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.4-1/6 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and logged measurements in RRC_IDLE and RRC_INACTIVE
C145	IF A.4.1-5/1 AND A.4.3.7-1/29 THEN R ELSE N/A	UEs supporting 5G Core and release preference assistance information
C146	IF A.4.3.2-1/52 THEN R ELSE N/A	UEs supporting monitoring DCI format 1_2 for DL scheduling and monitoring DCI format 0_2 for UL scheduling
C146a	Void	C
C147	IF A.4.1-5/1 AND A.4.3.7-1/26 AND A.4.3.7-1/27 THEN R ELSE N/A	UEs supporting 5G Core and NSSAA and EAP-AKA' for NSSAA
C148	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.3.7-1/21 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and RRC connection release with Deprioritisation
C149	IF A.4.1-4/6 AND A.4.3.6-1/2 THEN R ELSE N/A	UEs supporting NR-DC and two independent measurement gap configurations for FR1 and FR2
C150	IF A.4.1-5/1 AND (A.4.3.6-1/48 OR A.4.3.6-1/49) THEN R ELSE N/A	UEs supporting 5G Core and SFTD measurements between NR PCell and NR neighbour cell
C151	IF A.4.1-3/2 AND (A.4.3.6-1/43 OR A.4.3.6-1/44) AND (A.4.3.6-1/46 OR A.4.3.6-1/47) THEN R ELSE N/A	UEs supporting EN-DC and SFTD measurement between E-UTRA PCell and an NR neighbour cell, and SFTD measurement between E-UTRA PCell and NR PSCell
C152	IF A.4.1-4/6 AND (A.4.3.6-1/48 OR A.4.3.6-1/49) AND (A.4.3.6-1/50 OR A.4.3.6-1/51) THEN R ELSE N/A	UEs supporting NR-DC and SFTD measurement between NR PCell and an NR neighbour cell, and SFTD measurement between NR PCell and NR PSCell
C153	IF A.4.1-3/2 AND A.4.3.8-1/19 THEN R ELSE N/A	UEs supporting EN-DC and conditional PSCell change
C154	IF A.4.1-5/1 AND (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.7-1/19 AND A.4.3.5-1/14 THEN R ELSE N/A	UEs supporting 5G Core and intra-band contiguous CA and RRC_INACTIVE and direct NR MCG SCell activation
C155	IF A.4.1-5/1 AND (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.7-1/19 AND A.4.3.5-1/14 THEN R ELSE N/A	UEs supporting 5G Core and intra-band non-contiguous CA and RRC_INACTIVE and direct NR MCG SCell activation
C156	IF A.4.1-5/1 AND (A.4.1-4A/5 OR A.4.1-4A/6) AND A.4.3.7-1/19 AND A.4.3.5-1/14 THEN R ELSE N/A	UEs supporting 5G Core and inter-band CA and RRC_INACTIVE-and direct NR MCG SCell activation
C157	IF A.4.1-4/6 AND A.4.3.7-1/3 AND A.4.3.7-1/1 THEN R ELSE N/A	UEs supporting NR-DC and SRB3 and (UL transmission via either MCG path or SCG path for the split SRB)
C158	IF A.4.1-5/1 AND A.4.1-4/6 AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and NR-DC and RRC_INACTIVE
C159	IF A.4.1-5/2 AND [10] A.4.1-1/5 THEN R ELSE N/A	UEs supporting 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment
C160	IF A.4.1-3/3 THEN R ELSE N/A	UEs supporting NE-DC
C161	IF A.4.1-5/1 AND A.4.3.7-1/21 AND [10] A.4.4-1/98 THEN R ELSE N/A	UEs supporting 5G Core and RRC connection release with Deprioritisation and ManualModeNetworkSelectionException

Condition	Test case Selection Expression	Comment
C162	IF A.4.1-5/1 AND [9] A.22/8 AND A.4.3.7-1/36 AND [9] A.3A/50 AND [9] A.15/1 THEN R ELSE N/A	UEs supporting 5G Core and NG.114 v1.0 default configuration voice exempt and 3GPP PS data off and Initiating session and MTSI speech
C162A	IF A.4.1-5/1 AND [9] A.22/8 AND A.4.3.7-1/36 AND [9] A.3A/50 AND [9] A.3A/61 THEN R ELSE N/A	UEs supporting 5G Core and NG.114 v1.0 default configuration voice exempt and 3GPP PS data off and Initiating session and SMS over IP
C163	IF A.4.1-5/1 AND A.4.1-1/3 AND A.4.3.10-1/3 THEN R ELSE N/A	UE supporting 5G core and NR sidelink and Sidelink CSI report
C164	IF A.4.1-5/1 AND A.4.3.10-1/1 AND A.4.3.10-1/3 THEN R ELSE N/A	UE supporting 5G core and NR sidelink mode 1 transmission and Sidelink CSI report
C165	IF A.4.1-5/1 AND A.4.3.7-1/33 THEN R ELSE N/A	UE supporting 5G Core and V2X communication
C166	IF A.4.1-5/1 AND A.4.3.7-1/34 THEN R ELSE N/A	UE supporting 5G Core and V2X communication over NR-PC5
C167	IF A.4.1-5/1 AND A.4.3.7-1/24 AND A.4.3.7-1/30 THEN R ELSE N/A	UEs supporting 5G Core and SNPN and user initiated SNPN reselection in automatic mode on NR
C168	IF A.4.1-5/1 AND A.4.3.7-1/23 AND A.4.3.7-1/31 THEN R ELSE N/A	UEs supporting 5G Core and CAG and Autonomous search function on NR
C169	IF A.4.1-5/1 AND A.4.3.7-1/23 AND A.4.3.6-1/52 THEN R ELSE N/A	UEs supporting 5G Core and CAG and acquisition of CGI information from neighbour NR NPN cell
C170	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [9]A.12/64 AND [11]A.10/16 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation
C171	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [9]A.12/64 AND [11]A.10/16 AND [11]A.10/19 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation and capable of triggering a Test eCall
C172	IF A.4.1-5/1 AND [9] A.22/9 AND A.4.3.7-1/36 AND [9] A.3A/50 AND [9] A.15/3 AND [9] A.15/11 AND [9] A.15/12 AND [9] A.15/13 THEN R ELSE N/A	UEs supporting 5G Core and NG.114 v2.0 default configuration video exempt and 3GPP PS data off and Initiating session and MTSI video and MTSI video H.265 MP MT Level 3.1 and MTSI video H.264 CHP Level 3.1 and H.264 CBP Level 3.1
C173	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [9] A.21/2	UEs supporting 5G Core and E-UTRA and NG.114 v2.0
C174	IF A.4.1-5/1 AND [9]A.12/64 AND [11] A.10/16 AND [11] A.10/19 THEN R ELSE N/A	UEs supporting 5G Core and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation and capable of triggering a Test eCall
C175	IF A.4.3.5-1/11 THEN R ELSE N/A	UEs supporting 5GS and selection of logical channels for each UL grant based on RRC configured restriction
C176	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [10] A.4.2.1.1-1/4 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and EPS IMS emergency call (VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS")
C177	IF A.4.1-5/1 AND A.4.3.7-1/17 AND A.4.3.7-1/35 THEN R ELSE N/A	UEs supporting 5G Core and RACS and Manufacturer assigned Radio Capability ID
C178	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.3.7-1/17 AND [10]A.4.4-1/215 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and RACS
C179	IF A.4.3.2-1/80 THEN R ELSE N/A	UEs supporting DCI DL Priority Indicator
C180	IF A.4.3.2-1/81 AND A.4.3.2-1/82 THEN R ELSE N/A	UEs supporting DCI UL Priority Indicator and LCH grant prioritisation
C181	IF (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.2A.1-1/2 AND A.4.3.2A.1-2/2 AND A.4.3.3-1/5 THEN R ELSE N/A	UEs supporting 5GC and Intra-band non-contiguous CA and DL and UL NR CA with 3 carriers and PDCP duplication with more than two RLC entities
C182	IF A.4.1-3/3 AND A.4.3.6-1/1 AND A.4.3.6-1/3 THEN R ELSE N/A	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting).

Condition	Test case Selection Expression	Comment
C183	IF A.4.1-3/3 AND A.4.3.6-1/1 AND A.4.3.6-1/3 AND (A.4.1-2/1 OR A.4.1-2/2 OR (A.4.1-1/1 AND A.4.1-1/2)) THEN R ELSE N/A	UEs supporting NE-DC and NR measurements and Event A triggered reporting and (NR intra-frequency and inter-frequency measurements and at least periodical reporting) and multiple NR bands
C184	IF A.4.1-5/1 AND [9]A.12/64 AND [11]A.10/17 THEN R ELSE N/A	UEs supporting 5G Core and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
C185	IF A.4.1-5/1 AND [9]A.12/63 AND [11]A.10/17 AND A.4.3.7-1/14 THEN R ELSE N/A	UEs supporting 5G Core and IMS eCall type of emergency services over 5GS and Automatic type of eCall initiation and emergency services in NR connected to 5GCN
C186	IF A.4.1-5/1 AND [10] A.4.1-1/6 AND [9] A.12/64 AND [11] A.10/16 AND A.4.3.8-1/14 THEN R ELSE N/A	UEs supporting 5G Core and UTRA and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation and NR to UTRA-FDD CELL_DCH CS handover
C187	IF A.4.1-5/1 AND ([10] A.4.1-1/6 OR [10] A.4.1-1/7) AND [9] A.12/64 AND [11] A.10/16 THEN R ELSE N/A	UEs supporting 5G Core and (UTRA OR GERAN) and IMS eCall Only type of emergency services over 5GS and Manual type of eCall initiation
C188	IF A.4.1-5/1 AND ([10] A.4.1-1/6 OR [10] A.4.1-1/7) AND [9] A.12/64 AND [11] A.10/17 THEN R ELSE N/A	UEs supporting 5G Core and (UTRA OR GERAN) and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
C189	IF A.4.1-5/1 AND ([10] A.4.1-1/6 OR [10] A.4.1-1/7) AND [9] A.12/63 AND [11] A.10/16 THEN R ELSE N/A	UEs supporting 5G Core and (UTRA OR GERAN) and eCall type of emergency services over 5GS and Manual type of eCall initiation
C190	IF A.4.1-5/1 AND A.4.3.6-1/54 THEN R ELSE N/A	UEs supporting 5G Core and Idle/Inactive Measurements
C191	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.3.6-1/55 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and Idle/Inactive Measurements
C192	IF A.4.1-5/1 AND A.4.3.7-1/19 AND A.4.3.6-1/54 THEN R ELSE N/A	UEs supporting 5G Core and RRC_INACTIVE and Idle/Inactive Measurements
C193	IF A.4.1-5/1 AND A.4.3.7-1/19 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.3.6-1/55 THEN R ELSE N/A	UEs supporting 5G Core and RRC_INACTIVE and E-UTRA and Idle/Inactive Measurements
C194	IF A.4.1-3/3 AND A.4.3.7-1/2 THEN R ELSE N/A	UEs supporting NE-DC and UL transmission via both MCG path and SCG path for the split DRB
C195	IF A.4.1-4/6 AND A.4.3.3-1/6 THEN R ELSE N/A	UEs supporting NR-DC and PDCP duplication over split SRB1/2
C196	IF A.4.1-3/3 AND A.4.3.3-1/6 THEN R ELSE N/A	UEs supporting NE-DC and PDCP duplication over split SRB1/2
C197	IF A.4.1-5/1 AND ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND [9]A.12/64 AND [11]A.10/17 THEN R ELSE N/A	UEs supporting 5G Core and E-UTRA and IMS eCall Only type of emergency services over 5GS and Automatic type of eCall initiation
C198	IF A.4.1-5/1 AND [9] A.6a/2 THEN R ELSE N/A	UEs supporting 5G Core and IMS security
C199	IF A.4.1-3/2 AND A.4.3.5-1/12 AND (A.4.1-4A/1 OR A.4.1-4A/3) THEN R ELSE N/A	UEs supporting EN-DC, direct NR SCG SCell activation and Intra-Band Contiguous CA
C200	IF A.4.1-3/2 AND A.4.3.5-1/12 AND (A.4.1-4A/2 OR A.4.1-4A/4) THEN R ELSE N/A	UEs supporting EN-DC, direct NR SCG SCell activation and Intra-Band Non-Contiguous CA
C201	IF A.4.1-3/2 AND A.4.3.5-1/12 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) THEN R ELSE N/A	UEs supporting EN-DC, direct NR SCG SCell activation and Inter-Band CA
C202	IF A.4.1-4/6 AND A.4.3.5-1/12 AND (A.4.1-4A/1 OR A.4.1-4A/3) THEN R ELSE N/A	UEs supporting NR-DC, direct NR SCG SCell activation and intra-band contiguous CA
C203	IF A.4.1-4/6 AND A.4.3.5-1/12 AND (A.4.1-4A/2 OR A.4.1-4A/4) THEN R ELSE N/A	UEs supporting NR-DC, direct NR SCG SCell activation and intra-band non-contiguous CA
C204	IF A.4.1-4/6 AND A.4.3.5-1/12 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7)THEN R ELSE N/A	UEs supporting NR-DC, direct NR SCG SCell activation and inter-band CA
C205	Void	
C206	IF A.4.1-3/3 AND A.4.3.6-1/5 THEN R ELSE N/A	UEs supporting NE-DC and Inter-RAT E-UTRA measurements and Event B triggered reporting
C207	IF A.4.1-5/1 AND A.4.3.7-1/39 THEN R ELSE N/A	UEs supporting 5G core and reception of segmented DL RRC messages.

Condition	Test case Selection Expression	Comment
C208	IF A.4.1-5/1 AND A.4.4-1/2 AND A.4.3.8-1/20 AND [10] A.4.1-1/5 AND [10] A.4.4-1/117 THEN R ELSE N/A	UEs supporting 5G Core and IMS and handover from 5G Core to EPC over non-3GPP Access Network and GSMA PRD IR.51: "IMS Profile for Voice, Video and SMS over Wi-Fi" and WLAN.
C209	IF A.4.1-5/1 AND A.4.3.12-1/2 AND A.4.3.12-1/6 AND A.4.3.12-1/7 THEN R ELSE N/A	UEs supporting 5G Core and RedCap and relaxed RRM measurements in RRC_CONNECTED and initiating UE Assistance Information procedure immediately upon change of its fulfilment status for RRM measurement relaxation criterion for connected mode.
C210	IF A.4.1-5/1 AND A.4.3.7-1/43 THEN R ELSE N/A	UEs supporting 5G Core and eDRX
C210A	IF A.4.1-5/1 AND A.4.3.7-1/43 AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and eDRX and RRC_INACTIVE
C211	IF A.4.3.2-1/85 THEN R ELSE N/A	UEs supporting repetition of Message 3 PUSCH
C212	IF A.4.1-5/1 AND A.4.3.12-1/2 THEN R ELSE N/A	UEs supporting 5G Core and RedCap
C212a	IF A.4.1-5/1 AND A.4.3.12-1/2 AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and RedCap and RRC_INACTIVE
C213	IF A.4.1-5/1 AND A.4.3.14-1/1 THEN R ELSE N/A	UE supporting 5G Core and broadcast reception
C214	IF A.4.1-5/1 AND A.4.3.14-1/2 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell
C215	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/3 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast
C216	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/3 AND A.4.3.14-1/4 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast and PTP retransmission for multicast on the same cell as multicast initial transmission
C217	IF A.4.1-5/1 AND A.4.3.2-2/3 THEN R ELSE N/A	UEs supporting 5G Core and NR standalone shared spectrum channel access
C218	IF A.4.1-5/1 AND A.4.3.2-2/3 AND A.4.3.2-2/19 THEN R ELSE N/A	UEs supporting 5G Core and NR standalone shared spectrum channel access and RSSI measurements and channel occupancy reporting
C219	IF A.4.1-5/1 AND A.4.3.13-1/1 THEN R ELSE N/A	UEs supporting 5G Core and Multi-SIM features
C220	IF A.4.1-5/1 AND A.4.3.13-1/4 THEN R ELSE N/A	UEs supporting 5G Core and Multi-SIM Reject paging request
C221	IF A.4.1-5/1 AND (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.7-1/19 AND A.4.3.5-1/15 AND A.4.1-4/6 THEN R ELSE N/A	UEs supporting 5G Core and intra-band contiguous CA and RRC_INACTIVE and direct NR SCG SCell activation and NR-DC
C222	IF A.4.1-5/1 AND (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.7-1/19 AND A.4.3.5-1/15 AND A.4.1-4/6 THEN R ELSE N/A	UEs supporting 5G Core and intra-band non-contiguous CA and RRC_INACTIVE and direct NR SCG SCell activation and NR-DC
C223	IF A.4.1-5/1 AND (A.4.1-4A/5 OR A.4.1-4A/6) AND A.4.3.7-1/19 AND A.4.3.5-1/15 AND A.4.1-4/6 THEN R ELSE N/A	UEs supporting 5G Core and inter-band CA and RRC_INACTIVE and direct NR SCG SCell activation and NR-DC
C224	IF A.4.1-5/1 AND A.4.3.7-1/42 THEN R ELSE N/A	UEs supporting 5G Core and PEI
C225	IF A.4.1-3/2 AND (A.4.3.6-1/61 OR A.4.3.6-1/62) THEN R ELSE N/A	UEs supporting EN-DC and Idle/Inactive Measurements
C226	IF A.4.1-5/1 AND A.4.3.5-1/13 AND (A.4.1-4A/1 OR A.4.1-4A/3) THEN R ELSE N/A	UEs supporting 5G Core and direct NR MCG SCell activation and intra-band contiguous CA
C227	IF A.4.1-5/1 AND A.4.3.5-1/13 AND (A.4.1-4A/2 OR A.4.1-4A/4) THEN R ELSE N/A	UEs supporting 5G Core and direct NR MCG SCell activation and intra-band non-contiguous CA
C228	IF A.4.1-5/1 AND A.4.3.5-1/13 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) THEN R ELSE N/A	UEs supporting 5G Core and direct NR MCG SCell activation and inter-band CA
C229	IF A.4.1-5/1 AND A.4.1-4/6 AND A.4.3.7-1/19 AND A.4.3.7-1/44 THEN R ELSE N/A	UEs supporting 5G Core and NR-DC and RRC_INACTIVE and (re-)configuration of an SCG during the resume procedure.

Condition	Test case Selection Expression	Comment
C230	IF A.4.1-5/1 AND A.4.3.7-1/37 THEN R ELSE N/A	UEs supporting 5G Core and NSSRG
C231	IF A.4.1-5/1 AND A.4.3.7-1/24 AND A.4.3.7-1/40 THEN R ELSE N/A	UEs supporting 5G Core and SNPN and configuration of access identities in the list of subscriber data
C232	IF A.4.3.2-1/46 AND A.4.4-1/14 THEN R ELSE N/A	UEs Supporting 2-Step RACH and Random access SDT
C233	IF A.4.4-1/14 THEN R ELSE N/A	UEs Supporting Random access SDT
C234	IF [9] A.18/5 AND A.4.3.7-1/32 AND [9] A.15/1 AND [9] A.4/16 AND [9] A.21/1 AND [9] A.22/11 THEN R ELSE N/A	NR and IMS voice over NR and MTSI and MTSI speechand preconditions and NG.114 v1.0 and NG.114 v1.0 default configuration EVS/Br and NG.114 v1.0 default configuration EVS/Bw
C235	IF A.4.3.3-1/8 THEN R ELSE N/A	UEs supporting 5GS and uplink data compression operation
C236	IF A.4.3.3-1/8 and A.4.3.3-1/9 THEN R ELSE N/A	UEs supporting 5GS and uplink data compression operation and UL data compression with SIP static dictionary
C237	IF [10] A.4.4-1/117 AND [10] A.4.1-1/5 AND A.4.3.8-1/21 AND A.4.4-1/2 AND A.4.1-5/1 THEN R ELSE N/A	UEs supporting WLAN and GSMA PRD IR.51: "IMS Profile for Voice, Video and SMS over Wi-Fi" and handover from EPC over non-3GPP Access Network to 5G Core and IMS and 5G Core..
C238	IF A.4.1-5/1 AND A.4.3.7-1/14 AND [11] A.20/90 THEN R ELSE N/A	UEs supporting 5G Core and emergency services in NR connected to 5GCN and test execution with No USIM
C239	IF A.4.1-5/1 AND A.4.3.7-1/42 AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and RRC_INACTIVE and PEI

Condition	Test case Selection Expression	Comment
C240	IF A.4.1-5/1 AND A.4.3.7-1/38 THEN R ELSE N/A	UEs supporting 5G Core and slice based cell reselection
C241	IF A.4.1-5/1 AND A.4.3.7-1/19 AND A.4.3.7-1/38 THEN R ELSE N/A	UEs supporting 5G Core and RRC_INACTIVE and slice based cell reselection
C242	IF A.4.1-5/1 AND A.4.3.13-1/2 THEN R ELSE N/A	UEs supporting 5G Core and Multi-SIM N1 NAS signalling connection release
C243	IF A.4.1-5/1 AND A.4.3.2-2/2 THEN R ELSE N/A	UEs supporting 5G Core and EN-DC with NR shared spectrum channel access
C244	IF A.4.1-5/1 AND A.4.3.2-2/5 THEN R ELSE N/A	UEs supporting 5G Core and NR-DC with NR shared spectrum channel access
C245	IF A.4.1-5/1 AND A.4.3.13-1/1 AND A.4.3.7-1/29 THEN R ELSE N/A	UEs supporting 5G Core and Multi-SIM features and release preference assistance information
C246	IF A.4.1-5/1 AND A.4.3.13-1/6 THEN R ELSE N/A	UEs supporting 5G Core and MUSIM gap feature.
C247	IF A.4.1-5/1 AND A.4.3.2-2/3 AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and NR standalone shared spectrum channel access and RRC_INACTIVE
C248	IF A.4.1-5/1 AND A.4.3.8-1/24 AND [10] A.4.1-1/5 AND THEN R ELSE N/A	UEs supporting 5G Core and handover from 5G Core over non-3GPP Access Network to 5G Core Network and WLAN
C249	IF A.4.1-5/1 AND A.4.3.8-1/23 AND [10] A.4.1-1/5 THEN R ELSE N/A	UEs supporting 5G Core and handover from 5G Core over non-3GPP Access Network to EPC Network and WLAN
C250	IF A.4.1-5/1 AND A.4.4-1/21 THEN R ELSE N/A	UEs supporting 5G Core and storage and delivery of multiple CEF report upon request from the network
C251	IF A.4.1-5/1 AND A.4.1-5/2 AND [10] A.4.1-1/5 AND A.4.3.7-1/9 and A.4.3.7-1/48 THEN R ELSE N/A	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and additional UE-requested PDU establishment and ATSSS
C252	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/5 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and NACK-only based HARQ-ACK feedback for multicast with ACK/NACK transforming
C253	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/3 AND A.4.3.14-1/7 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast and multiplexing HARQ-ACK for unicast and for multicast with the same priority and different HARQ-ACK codebook types in a PUCCH or in a PUSCH
C254	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.7-1/19 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and RRC_INACTIVE
C255	IF A.4.1-3/3 AND A.4.3.7-1/19 AND A.4.3.7-1/44 THEN R ELSE N/A	UEs supporting NE-DC and RRC_INACTIVE and (re-)configuration of an SCG during the resume procedure.
C256	IF A.4.3.5-1/16 AND A.4.1-4/6 AND A.4.3.3-1/4 THEN R ELSE N/A	UEs supporting services with survival time and NR-DC and PDCP-duplication over split DRB
C257	IF A.4.3.5-1/16 AND (A.4.1-4A/1 OR A.4.1-4A/3) AND A.4.3.3-1/3 THEN R ELSE N/A	UEs supporting services with survival time and intra-band contiguous CA and CA-based PDCP duplication over MCG or SCG DRB
C258	IF A.4.3.5-1/16 AND (A.4.1-4A/2 OR A.4.1-4A/4) AND A.4.3.3-1/3 THEN R ELSE N/A	UEs supporting services with survival time and intra-band non-contiguous CA and CA-based PDCP duplication over MCG or SCG DRB
C259	IF A.4.3.5-1/16 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) AND A.4.3.3-1/3 THEN R ELSE N/A	UEs supporting services with survival time and inter-band CA and CA-based PDCP duplication over MCG or SCG DRB
C260	IF ([10] A.4.1-1/1 OR [10] A.4.1-1/2) AND A.4.3.7-1/37 THEN R ELSE N/A	UEs supporting 5GS and E-UTRA and NSSRG.
C261	IF A.4.1-5/1 AND A.4.3.7-1/9 AND A.4.3.7-1/14 THEN R ELSE N/A	UEs supporting 5G Core and additional UE-requested PDU establishment and emergency services in NR connected to 5GCN
C262	IF A.4.3.7-1/45 AND A.4.3.7-1/46 THEN R ELSE N/A	UEs supporting slice-based RACH partitioning and slice-based RACH prioritisation
C263	IF A.4.3.7-1/45 AND A.4.3.7-1/46 AND A.4.3.7-1/47 THEN R ELSE N/A	UEs supporting slice-based RACH partitioning, slice-based RACH prioritisation and RACH prioritisation for Access Identity 1
C264	IF A.4.3.2-1/46 AND A.4.3.7-1/45 AND A.4.3.7-1/46 THEN R ELSE N/A	UEs supporting 2-Step RACH, slice-based RACH partitioning and slice-based RACH prioritisation
C265	IF A.4.3.2-1/46 AND A.4.3.7-1/45 AND A.4.3.7-1/46 AND A.4.3.7-1/47 THEN R ELSE N/A	UEs supporting 2-Step RACH, slice-based RACH partitioning, slice-based RACH prioritisation and RACH prioritisation for Access Identity 1
C266	IF A.4.1-5/1 AND A.4.4-1/6 AND A.4.4-1/23 THEN R ELSE N/A	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE and IDC mechanism
C267	IF A.4.1-5/1 AND A.4.4-1/6 AND A.4.4-1/22 THEN R ELSE N/A	UEs supporting 5G core and logged measurements in RRC_IDLE and RRC_INACTIVE and early measurements
C268	IF A.4.1-3/3 AND A.4.3.6-1/75 THEN R ELSE N/A	UEs supporting NE-DC and SFTD measurement between NR PCell and E-UTRA PSCell
C269	IF A.4.1-5/1 AND A.4.4-1/16 THEN R ELSE N/A	UEs supporting 5G Core and SDT via Configured Grant Type 1 in RRC_INACTIVE state
C270	IF A.4.1-5/1 AND A.4.4-1/15 AND A.4.4-1/16 THEN R ELSE N/A	UEs supporting 5G Core and SRB SDT and SDT via Configured Grant Type 1 in RRC_INACTIVE state
C271	IF A.4.3.3-1/8 and A.4.3.3-1/10 THEN R ELSE N/A	UEs supporting 5GS and uplink data compression operation and continuation of uplink data compression protocol operation
C272	IF A.4.1-4/6 and A.4.3.3-1/8 THEN R ELSE N/A	UEs supporting NR-DC and uplink data compression operation
C273	IF A.4.1-3/3 and A.4.3.3-1/8 THEN R ELSE N/A	UEs supporting NE-DC and uplink data compression operation

Condition	Test case Selection Expression	Comment
C274	IF A.4.1-5/1 AND A.4.4-1/26 THEN R ELSE N/A	UEs supporting 5G Core and RRC Connection release with MPS priority indication
C274A	IF A.4.1-5/1 AND A.4.4-1/26 AND A.4.3.7-1/19 THEN R ELSE N/A	UEs supporting 5G Core and RRC Connection release with MPS priority indication AND RRC_INACTIVE
C275	IF A.4.1-5/1 AND A.4.1-5/2 AND [10] A.4.1-1/5 AND A.4.3.7-1/13 and A.4.3.7-1/48 THEN R ELSE N/A	UEs supporting 5G Core and 5G core over non-3GPP Access Network and WLAN and UE-requested PDU modification and ATSSS
C276	IF A.4.1-5/1 AND A.4.3.8-1/25 AND [10] A.4.1-1/5 AND THEN R ELSE N/A	UEs supporting 5G Core and handover from 5G Core Network to 5G Core over non-3GPP Access Network and WLAN
C277	IF A.4.1-5/1 AND A.4.3.8-1/22 AND [10] A.4.1-1/5 THEN R ELSE N/A	UEs supporting 5G Core and handover from EPC Network to 5G Core over non-3GPP Access Network and WLAN
C278	IF A.4.1-5/1 AND A.4.4-1/24 THEN R ELSE N/A	UEs supporting 5G Core and delivery of delivery of 2-step RACH related information upon request from the network
C279	IF A.4.1-5/1 AND A.4.4-1/25 THEN R ELSE N/A	UEs supporting 5G Core and delivery of delivery of 2-step RACH related information upon request from the network.
C280	IF A.4.1-5/1 AND A.4.3.14-1/11 AND (A.4.1-4A/1 OR A.4.1-4A/3) THEN R ELSE N/A	UE supporting 5G Core and broadcast reception on SCell and Intra-band Contiguous CA
C281	IF A.4.1-5/1 AND A.4.3.14-1/11 AND (A.4.1-4A/5 OR A.4.1-4A/6 OR A.4.1-4A/7) THEN R ELSE N/A	UE supporting 5G Core and broadcast reception on SCell and Inter-band CA
C282	IF A.4.1-5/1 AND A.4.3.14-1/11 AND (A.4.1-4A/2 OR A.4.1-4A/4) THEN R ELSE N/A	UE supporting 5G Core and broadcast reception on SCell and Intra-band non Contiguous CA
C283	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/8 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and DCI formate 4_2
C284	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/8 AND A.4.3.14-1/9 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and DCI formate 4-2 and DCI-based enabling/disabling ACK/NACK based HARQ-ACK feedback configured per G-RNTI by RRC signalling via DCI format 4_2
C285	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/8 AND A.4.3.14-1/10 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and DCI formate 4-2 and DCI-based enabling/disabling NACK-only based HARQ-ACK feedback configured per G-RNTI by RRC signalling via DCI format 4_2
C286	IF A.4.1-3/2 AND A.4.3.7-1/50 THEN R ELSE N/A	UEs supporting EN-DC and user plane integrity protection with EPS
C287	IF A.4.3.2-1/114 THEN R ELSE N/A	UEs supporting dynamic indication of PUCCH repetition
C288	IF A.4.3.2-1/115 AND A.4.3.2-1/113 THEN R ELSE N/A	UEs supporting increased maximum number of PUSCH Type A repetitions and dynamic indication of the number of repetitions for PUSCH
C289	IF A.4.3.2-1/115 AND (A.4.3.2-1/111 OR A.4.3.2-1/112) THEN R ELSE N/A	UEs supporting increased maximum number of PUSCH Type A repetitions and PUSCH transmissions with configured grant
C290	IF A.4.3.2-1/116 AND A.4.3.2-1/113 THEN R ELSE N/A	UEs supporting PUSCH repetitions based on available slots and dynamic indication of the number of repetitions for PUSCH
C291	IF A.4.3.2-1/116 AND (A.4.3.2-1/111 OR A.4.3.2-1/112) THEN R ELSE N/A	UEs supporting PUSCH repetitions based on available slots and PUSCH transmissions with configured grant
C292	IF A.4.3.2-1/117 THEN R ELSE N/A	UEs supporting TB processing over multi-slot PUSCH
C293	IF A.4.3.2-1/118 THEN R ELSE N/A	UEs supporting repetition of TB processing over multi-slot PUSCH
C294	IF A.4.1-5/1 AND A.4.3.13-1/1 AND A.4.3.13-1/6 AND A.4.3.13-1/7 THEN R ELSE N/A	UEs supporting 5G Core and Multi-SIM features and MUSIM related assistance information
C295	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/16 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and Multiple G-RNTIs.
C296	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/12 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and SPS group-common PDSCH for multicast on PCell.
C297	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/12 AND A.4.3.14-1/13 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and SPS group-common PDSCH for multicast on PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for SPS group-common PDSCH for multicast.
C298	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/12 AND A.4.3.14-1/13 AND A.4.3.14-1/14 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and SPS group-common PDSCH for multicast on PCell and ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for SPS group-common PDSCH for multicast and PTP retransmission associated with CS-RNTI for SPS multicast on the cell same as multicast initial transmission.
C299	IF A.4.1-5/1 AND A.4.3.14-1/2 AND A.4.3.14-1/12 AND A.4.3.14-1/15 THEN R ELSE N/A	UE supporting 5G Core and dynamic scheduling for multicast for PCell and SPS group-common PDSCH for multicast on PCell and unicast PDCCH scrambled with CS-RNTI to release SPS group-common PDSCH.
C300	IF A.4.1-5/1 AND A.4.3.2-2/1 AND A.4.3.2A.1-2/1 THEN R ELSE N/A	UEs supporting 5G Core and NR CA with NR shared spectrum channel access and UL NR CA with 2 carriers
C301	IF A.4.1-5/1 AND A.4.4-1/27 THEN R ELSE N/A	UEs supporting 5G Core and RLF-Report for conditional handover
C302	IF A.4.1-5/1 AND A.4.4-1/28 THEN R ELSE N/A	UEs supporting 5G Core and RLF-Report for DAPS handover.

Condition	Test case Selection Expression	Comment
C303	IF A.4.1-5/1 AND A.4.4-1/29 THEN R ELSE N/A	UEs supporting 5G Core and the storage and delivery of Successful Handover Report.
C304	IF A.4.1-5/1 AND A.4.3.7-1/52 THEN R ELSE N/A	UEs supporting 5G Core and access SNPN using credentials assigned by a Credentials Holder separate from the SNPN
C305	IF A.4.1-5/1 AND A.4.3.7-1/53 THEN R ELSE N/A	UEs supporting 5G Core and onboarding services in SNPN(hence supports Default UE Credentials)
C306	IF A.4.1-5/1 AND A.4.3.7-1/56 THEN R ELSE N/A	UEs supporting 5G Core and emergency services in SNPN
C307	IF A.4.1-5/1 AND A.4.3.7-1/52 AND A.4.3.7-1/30 THEN R ELSE N/A	UEs supporting 5G Core and accessing SNPN using credentials from a Credentials Holder and user initiated SNPN reselection in automatic mode on NR.
C308	IF A.4.1-5/1 AND A.4.3.7-1/56 AND A.4.3.7-1/57 AND A.4.3.7-1/32 THEN R ELSE N/A	UEs supporting 5G Core and PLMN access in SNPN Access mode and emergency services in NR connected to 5GCN in SNPN Access mode And IMS voice over NR
C309	IF A.4.1-5/1 AND A.4.4-1/17 THEN R ELSE N/A	UEs supporting 5G Core and NR NTN access
C310	IF A.4.1-5/1 AND A.4.3.7-1/51 THEN R ELSE N/A	UEs supporting 5G Core and UAS

4.3 Protocol conformance test cases applicability for Vertical UEs

4.3.1 SNPN-only UEs

Test cases applicable to SNPN-only UEs (A.4.1-5/3) are listed in Table 4.3.1-1. The Applicability - Condition of each individual test is as identified in subclause 4.1.

Table 4.3.1-1: Protocol conformance test cases applicable to Rel-16 SNPN-only UEs

Clause	Comment
6.1.2.1	
6.1.2.2	
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7.1.1.3.8.3	
7.1.1.3.9	ETSI
7.1.1.4.1.1	
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Annex A (informative):
Change history

Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2017-08	RAN5#76	R5-174402	-	-	-	Introduction of TS 38.523-2	0.0.1
2018-03	RAN5##2-5G-NR Adhoc	R5-181762	-	-	-	Draft TS 38.523-2 v0.1.0	0.1.0
2018-04	RAN5##2-5G-NR Adhoc	R5-181837	-	-	-	Draft TS 38.523-2 v0.2.0	0.2.0
2018-04	RAN5##2-5G-NR Adhoc	R5-181838	-	-	-	Addition of applicability for new 5GS test cases	0.2.0
2018-04	RAN5##2-5G-NR Adhoc	R5-181210	-	-	-	Add applicability for new NR testcases	0.2.0
2018-04	RAN5##2-5G-NR Adhoc	R5-180922	-	-	-	Addition of applicability of new NR test cases 7.1.3.2 and 7.3.4.2	0.2.0
2018-04	RAN5##2-5G-NR Adhoc	R5-180974	-	-	-	Addition of New Layer 2 NR Test Case Applicability	0.2.0
2018-05	RAN5#79	R5-182897	-	-	-	Update to NR test cases applicability	1.0.0
2018-05	RAN5#79	R5-183158	-	-	-	Update to NR Test case applicability	1.0.0
2018-05	RAN5#79	R5-183159	-	-	-	Addition of Layer 2 test case applicabilities and selection expressions	1.0.0
2018-05	RAN5#79	R5-183235	-	-	-	Correction to applicability of NR testcases	1.0.0
2018-05	RAN5#79	R5-183236	-	-	-	Updates to applicability for session management TCs	1.0.0
2018-06	RAN#80	RP-181211	-	-	-	put under revision control as v15.0.0 with small editorial changes	15.0.0
2018-09	RAN#81	R5-184682	0004	-	F	Update of test case title for TC 8.2.5.1.1	15.1.0
2018-09	RAN#81	R5-185157	0005	1	F	Update of NR test cases title and applicability	15.1.0
2018-09	RAN#81	R5-185162	0003	1	F	Addition of missing and new test cases applicabilities	15.1.0
2018-12	RAN#82	R5-186875	0021	-	F	Removal of applicability for RRC SCG failure tests	15.2.0
2018-12	RAN#82	R5-188196	0027	1	F	Addition of test applicabilities for 5GC testcases	15.2.0
2018-12	RAN#82	R5-187499	0029	-	F	Adding applicability of test cases 8.2.2.1.1 and 8.2.2.3.1	15.2.0
2018-12	RAN#82	R5-187799	0022	1	F	Adding applicability for 5G TC TA registration update	15.2.0
2018-12	RAN#82	R5-188103	0033	-	F	Update of applicability and selection expressions	15.2.0
2018-12	RAN#82	R5-188104	0030	1	F	Adding new test case applicability	15.2.0
2018-12	RAN#82	R5-188197	0031	3	F	Update of 5G-NR test cases applicability	15.2.0
2019-03	RAN#83	R5-192033	0043	-	F	Addition of applicability of new 5GC test case 9.1.2.2	15.3.0
2019-03	RAN#83	R5-192707	0044	1	F	Introduction of Non 3GPP Access over WLAN test case applicabilities	15.3.0
2019-03	RAN#83	R5-192809	0040	1	F	Addition of applicability for Inter-RAT measurement and handover	15.3.0
2019-03	RAN#83	R5-192856	0039	2	F	Addition of applicability for NR test case	15.3.0
2019-03	RAN#83	R5-192857	0042	3	F	Update of 5G-NR test cases applicability	15.3.0
2019-06	RAN#84	R5-194891	0054	1	F	Introduction of Non 3GPP Access over WLAN test case applicabilities	15.4.0
2019-06	RAN#84	R5-195371	0046	2	F	Addition of Applicability for test cases	15.4.0
2019-06	RAN#84	R5-195372	0051	2	F	Update of 5G-NR test cases applicability	15.4.0
2019-06	RAN#84	-	-	-	-	Administrative release upgrade to match the release of 3GPP TS 38.508-1 which was upgraded at RAN#84 to Rel-16 due to Rel-16 relevant CR(s)	16.0.0
2019-09	RAN#85	R5-197228	0057	1	F	Non 3GPP Access over WLAN test case applicabilities	16.1.0
2019-09	RAN#85	R5-197291	0062	1	F	Removal of applicability of Radio Link Failure test cases	16.1.0
2019-09	RAN#85	R5-197667	0055	2	F	Addition of applicability for RRC test cases	16.1.0
2019-09	RAN#85	R5-197668	0056	2	F	Update of 5G-NR test cases applicability	16.1.0
2019-12	RAN#86	R5-198496	0074	-	F	Non 3GPP Access over WLAN test cases applicability	16.2.0
2019-12	RAN#86	R5-199040	0070	1	F	Addition of applicability for test cases	16.2.0
2019-12	RAN#86	R5-199060	0072	1	F	Update of 5G-NR test cases applicability	16.2.0
2020-03	RAN#87	R5-200235	0077		F	Adding and modifying test applicability IMS Emergency Services	16.3.0
2020-03	RAN#87	R5-201147	0076	1	F	Correction to NR TC applicability-Split SRB	16.3.0
2020-03	RAN#87	R5-201233	0080	3	F	Update of 5G-NR test cases applicability	16.3.0
2020-06	RAN#88	R5-201381	0081	-	F	Addition of applicability for NR Idle TCs	16.4.0
2020-06	RAN#88	R5-202141	0086	-	F	Addition of new test applicability for DRX TC 7.1.1.5.5	16.4.0
2020-06	RAN#88	R5-202673	0082	1	F	Addition of applicability for NR RRC TCs	16.4.0
2020-06	RAN#88	R5-202674	0083	1	F	Addition of applicability for NR Multi Layer TCs	16.4.0
2020-06	RAN#88	R5-202675	0084	1	F	Update of 5G-NR test cases applicability	16.4.0
2020-06	RAN#88	R5-203120	0085	2	F	Introduction of applicability for new 5G IMS emergency test cases and corrections	16.4.0
2020-09	RAN#89	R5-203542	0092	-	F	Splitting and updates to applicability of NR RLC test case 7.1.2.3.5	16.5.0
2020-09	RAN#89	R5-204469	0088	1	F	Addition of applicability for NR TCs	16.5.0
2020-09	RAN#89	R5-204470	0089	1	F	Correction to applicability of NR TCs	16.5.0
2020-09	RAN#89	R5-204471	0090	1	F	Update of 5G-NR test cases applicability	16.5.0

2020-09	RAN#89	R5-204472	0094	1	F	Addition of new RRC TC for checking extended / spare field handling in SI	16.5.0
2020-09	RAN#89	R5-204473	0095	1	F	Removal of void test case and correction of condition for Inter-band measurements test cases	16.5.0
2020-09	RAN#89	R5-204519	0091	1	F	Addition of test applicabilities of test cases for voice fallback indication	16.5.0
2020-09	RAN#89	R5-204520	0093	1	F	Update applicability of Inter-RAT handover from NR to EN-DC test case	16.5.0
2020-12	RAN#90	R5-205287	0099	-	F	Addition of test applicabilities of test cases for UE power saving in NR	16.6.0
2020-12	RAN#90	R5-205389	0101	-	F	Correction to NR TC applicability	16.6.0
2020-12	RAN#90	R5-206367	0098	1	F	Update of 5G-NR test cases applicability	16.6.0
2020-12	RAN#90	R5-206368	0103	1	F	Addition of applicability for NR TCs	16.6.0
2020-12	RAN#90	R5-206399	0104	1	F	Applicability statement for new test case for PDCP Duplication for Rel-16	16.6.0
2020-12	RAN#90	R5-206400	0108	1	F	Applicability for ethernet header compression and decompression for NR	16.6.0
2020-12	RAN#90	R5-206406	0106	1	F	Add applicability for NR MobEnc TCs	16.6.0
2020-12	RAN#90	R5-206413	0105	1	F	Add applicability for NR V2X TCs	16.6.0
2020-12	RAN#90	R5-206416	0107	1	F	Addition of applicability for eMIMO Test Cases	16.6.0
2020-12	RAN#90	R5-206432	0100	1	F	Update applicability of Inter-RAT handover from NR to EN-DC test case 8.1.4.2.1.2	16.6.0
2021-03	RAN#91	R5-210161	0111	-	F	Aligning content of 38.523-2 with 38.523-1	16.7.0
2021-03	RAN#91	R5-210513	0120	-	F	Addition of applicability for new NAS Test case 9.1.9.2	16.7.0
2021-03	RAN#91	R5-210801	0128	-	F	Adding applicability for new MDT test cases	16.7.0
2021-03	RAN#91	R5-210998	0129	-	F	Correction to applicability conditions of test cases 8.1.4.2.1.2 and 11.1.9	16.7.0
2021-03	RAN#91	R5-211327	0130	-	F	Remove applicability of 5GS Non-3GPP Access Test Case 9.2.5.2.1	16.7.0
2021-03	RAN#91	R5-211412	0109	1	F	Update release applicability of RRC TC 8.1.1.2.4	16.7.0
2021-03	RAN#91	R5-211413	0112	1	F	Adding missing applicability for TC 6.1.2.7 and 8.1.5.2.2	16.7.0
2021-03	RAN#91	R5-211414	0113	1	F	Adding applicability for new IMS emergency TC 11.4.11	16.7.0
2021-03	RAN#91	R5-211415	0115	1	F	Update of 5G-NR test cases applicability	16.7.0
2021-03	RAN#91	R5-211416	0123	1	F	Correction to NR TC applicability for 5GS	16.7.0
2021-03	RAN#91	R5-211455	0124	1	F	Correction to NR TC applicability for IIoT	16.7.0
2021-03	RAN#91	R5-211461	0127	1	F	Correction to applicability for NR MobEnc	16.7.0
2021-03	RAN#91	R5-211464	0117	1	F	Addition of test applicabilities for UE power saving in NR	16.7.0
2021-03	RAN#91	R5-211487	0110	1	F	Applicability statement for new test cases for NR Immediate MDT	16.7.0
2021-03	RAN#91	R5-211488	0116	1	F	Adding applicability for new logged MDT test cases	16.7.0
2021-03	RAN#91	R5-211489	0125	1	F	Correction to NR TC applicability for MDT	16.7.0
2021-03	RAN#91	R5-211496	0121	1	F	Introduction of applicability for SRVCC from NG-RAN to 3GPP UTRAN	16.7.0
2021-03	RAN#91	R5-211504	0118	1	F	Update to applicabilities for the EPS fallback test cases	16.7.0
2021-06	RAN#92	R5-212040	0131	-	F	Applicability statement for new test cases for Connection Establishment Failure in NR MDT	16.8.0
2021-06	RAN#92	R5-212041	0132	-	F	Applicability statement for new test cases for Inter-System Immediate MDT	16.8.0
2021-06	RAN#92	R5-212380	0137	-	F	Correcting applicability condition for C36 used in TS 38.523 TC 6.1.1.5	16.8.0
2021-06	RAN#92	R5-212386	0138	-	F	Update to applicability of TC 11.4.10 and 11.4.11	16.8.0
2021-06	RAN#92	R5-212438	0139	-	F	Correction to applicability for Multi-Layer TCs	16.8.0
2021-06	RAN#92	R5-212539	0143	-	F	Remove cross slot scheduling test case applicability	16.8.0
2021-06	RAN#92	R5-212549	0144	-	F	Addition of applicability for new 5G SRVCC test case	16.8.0
2021-06	RAN#92	R5-212808	0147	-	F	Addition of applicability for NPN test cases	16.8.0
2021-06	RAN#92	R5-213375	0153	-	F	Adding applicability for new 2-Step RACH test cases	16.8.0
2021-06	RAN#92	R5-213385	0154	-	F	Correction of test applicability for TC 9.1.5.1.15	16.8.0
2021-06	RAN#92	R5-213513	0134	1	F	Update of 5G-NR test cases applicability	16.8.0
2021-06	RAN#92	R5-213514	0149	1	F	Update of test case titles of 5GC in applicability table	16.8.0
2021-06	RAN#92	R5-213515	0151	1	F	Addition of applicability for NR5G RRC TC 8.1.1.3.7	16.8.0
2021-06	RAN#92	R5-213556	0140	1	F	Correction to applicability for NR MobEnc	16.8.0
2021-06	RAN#92	R5-213572	0155	1	F	Applicability of NR V2X test cases 12.1.7.1 and 12.1.7.2	16.8.0
2021-06	RAN#92	R5-213586	0146	1	F	Addition of applicability for RACS test cases	16.8.0
2021-06	RAN#92	R5-213634	0133	1	F	Addition of applicability for new MDT TC 8.1.6.1.3.x	16.8.0
2021-06	RAN#92	R5-213635	0142	1	F	Applicability for NR MDT inter-system TCs	16.8.0
2021-06	RAN#92	R5-213636	0150	1	F	Correction to NR MDT Applicability-C126	16.8.0
2021-06	RAN#92	R5-213672	0152	1	F	Adding applicability for new NR URLLC test cases	16.8.0
2021-09	RAN#93	R5-214209	0156	-	F	Applicability statement for new test case for Multi configured uplink grants in NR IIoT	16.9.0
2021-09	RAN#93	R5-214214	0157	-	F	Applicability statement for new test cases for Inter-RAT MDT	16.9.0
2021-09	RAN#93	R5-214758	0165	-	F	Addition of applicability NR5G Power saving TC 8.1.5.10.1	16.9.0
2021-09	RAN#93	R5-214831	0168	-	F	Correction to NR MDT Applicability	16.9.0
2021-09	RAN#93	R5-214873	0169	-	F	Addition of applicability for new NR 2-step RACH test cases	16.9.0
2021-09	RAN#93	R5-214931	0170	-	F	Adding applicability for new NR URLLC test cases	16.9.0

2021-09	RAN#93	R5-215160	0171	-	F	Correction to applicability for MDT Test cases	16.9.0
2021-09	RAN#93	R5-215242	0172	-	F	Addition of applicability for eNS test case 9.1.10.1 and 9.1.10.6	16.9.0
2021-09	RAN#93	R5-216204	0158	1	F	Update of 5G-NR test cases applicability	16.9.0
2021-09	RAN#93	R5-216205	0166	1	F	Addition of Applicability for SFTD TCs	16.9.0
2021-09	RAN#93	R5-216262	0167	1	F	Correction to applicability for NR MobEnh	16.9.0
2021-09	RAN#93	R5-216274	0164	1	F	Addition of applicability for NPN test cases	16.9.0
2021-09	RAN#93	R5-216315	0160	1	F	Update of applicability statement and conditions for the test cases in NR MDT	16.9.0
2021-09	RAN#93	R5-216333	0161	1	F	Add applicabilities for test cases 8.1.1.4.4, 8.1.1.4.5 and 8.1.1.4.6	16.9.0
2021-09	RAN#93	R5-216334	0162	1	F	Add applicabilities for test cases 8.1.1.4.7, 8.1.1.4.8 and 8.1.1.4.9	16.9.0
2021-12	RAN#94	R5-216614	0176	-	F	Applicability statement for new test case for RACH logging and reporting	16.10.0
2021-12	RAN#94	R5-216999	0182	-	F	Addition of applicability for NR-DC TCs	16.10.0
2021-12	RAN#94	R5-217018	0183	-	F	Correction to applicability for NR MobEnh	16.10.0
2021-12	RAN#94	R5-217082	0185	-	F	Update of title for TC 9.1.5.1.15	16.10.0
2021-12	RAN#94	R5-217083	0186	-	F	Update of applicability for TC 8.1.5.7.1.x, 8.2.6.1.1.x and 8.2.6.1.2.x	16.10.0
2021-12	RAN#94	R5-217459	0190	-	F	Addition of applicability for new Enhanced Network Slicing test cases	16.10.0
2021-12	RAN#94	R5-217774	0174	1	F	Add applicability for NR MobEnc Inter-frequency DAPS handover TC	16.10.0
2021-12	RAN#94	R5-217826	0175	1	F	Update of 5G-NR test cases applicability	16.10.0
2021-12	RAN#94	R5-217827	0178	1	F	Applicability statement for new test cases for NE-DC RRC	16.10.0
2021-12	RAN#94	R5-217828	0187	1	F	Addition of applicability for NR5G RRC TC 8.1.1.3.7b	16.10.0
2021-12	RAN#94	R5-217829	0189	1	F	Addition of applicability for new Data Off test cases	16.10.0
2021-12	RAN#94	R5-217895	0184	1	F	Addition of NR V2X TC applicability	16.10.0
2021-12	RAN#94	R5-217900	0188	1	F	Addition of Applicability for NPN TCs	16.10.0
2021-12	RAN#94	R5-217932	0177	1	F	Update of TC Title of NR SON/MDT for matching TC content in TC 8.1.6.2.4	16.10.0
2021-12	RAN#94	R5-217947	0192	1	F	Addition of applicability for NR EIEI test cases	16.10.0
2021-12	RAN#94	R5-217953	0193	1	F	Applicability clauses for the Idle/Inactive measurement testcases for RRC_IDLE state	16.10.0
2021-12	RAN#94	R5-218009	0191	1	F	Addition of test applicability for new eNS test cases	16.10.0
2022-03	RAN#95	R5-220057	0195	-	F	Addition of applicability for Rel-16 NR Mobility Enhancement test case	16.11.0
2022-03	RAN#95	R5-220242	0198	-	F	Updating applicability statements of Data Off test cases	16.11.0
2022-03	RAN#95	R5-220267	0200	-	F	Add applicability for test case 11.1.1a	16.11.0
2022-03	RAN#95	R5-220607	0204	-	F	Correction to applicability for NR MobEnh	16.11.0
2022-03	RAN#95	R5-221040	0207	-	F	Applicability updates for NR EIEI test cases	16.11.0
2022-03	RAN#95	R5-221045	0208	-	F	Updates to titles of Inter-System MDT sensor test cases	16.11.0
2022-03	RAN#95	R5-221241	0214	-	F	Addition of applicability for new test case 11.6.3	16.11.0
2022-03	RAN#95	R5-221462	0199	1	F	Update of 5G-NR test cases applicability	16.11.0
2022-03	RAN#95	R5-221463	0202	1	F	Addition of applicability for emergency call establishment over EPS with disabling N1 mode	16.11.0
2022-03	RAN#95	R5-221464	0205	1	F	Correction the condition of 38.523-1 TC11.3.2 and TC11.3.8 and Test case Selection Expression of C61	16.11.0
2022-03	RAN#95	R5-221465	0206	1	F	Correct of conditions for Uplink Data Transfer and Unified Access Control	16.11.0
2022-03	RAN#95	R5-221466	0215	1	F	Updates to emergency applicabilities and conditions	16.11.0
2022-03	RAN#95	R5-221527	0203	1	F	Addition of NR V2X TC applicability	16.11.0
2022-03	RAN#95	R5-221528	0212	1	F	Addition of applicability for new V2X test cases	16.11.0
2022-03	RAN#95	R5-221535	0211	1	F	Addition of applicability for new SNPN test cases	16.11.0
2022-03	RAN#95	R5-221541	0213	1	F	Applicability updates for NR RACS test cases	16.11.0
2022-03	RAN#95	R5-221590	0209	1	F	Addition of new NR URLLC MAC Test Case applicabilities	16.11.0
2022-03	RAN#95	R5-222002	0216	1	F	Applicability clauses for Idle Inactive measurement test cases	16.11.0
2022-03	RAN#95	R5-222034	0194	1	F	Applicability statement for new test cases for PDCP Duplication 3 RLC entities in NR IIoT	16.11.0
2022-03	RAN#95	R5-222038	0196	1	F	Applicability statement for new test cases for NE-DC RRC	16.11.0
2022-06	RAN#96	R5-222859	0221	-	F	Add applicability for test case 11.1.3a	16.12.0
2022-06	RAN#96	R5-223255	0227	-	F	Applicability updates to NR EIEI test cases	16.12.0
2022-06	RAN#96	R5-223348	0219	1	F	Update of applicability statement for test cases for NE-DC RRC	16.12.0
2022-06	RAN#96	R5-223377	0223	1	F	Addition of applicability of new NR V2X test cases	16.12.0
2022-06	RAN#96	R5-223383	0224	1	F	Addition of Applicability of new SNPN test case	16.12.0
2022-06	RAN#96	R5-223409	0228	1	F	Modification of idle/inactive testcase applicabilities	16.12.0
2022-06	RAN#96	R5-223442	0217	1	F	Update of 5G-NR test cases applicability	16.12.0
2022-09	RAN#97	R5-223998	0230	-	F	Addition of Release other RAT for Inter-RAT MDT test cases	16.13.0
2022-09	RAN#97	R5-224000	0232	-	F	Update of applicability for EN-DC UL CA cases 8.2.6.1.1.x	16.13.0
2022-09	RAN#97	R5-224002	0234	-	F	Update of applicability of CA test case 8.1.5.7.1.2	16.13.0
2022-09	RAN#97	R5-224032	0235	-	F	Editorial update to 5GC and UAC test case titles in 38.523-2	16.13.0
2022-09	RAN#97	R5-224097	0238	-	F	Applicability of new NR-DC and NE-DC test cases	16.13.0
2022-09	RAN#97	R5-224341	0241	-	F	Editorial Correction - Add VOID to CAG TC 6.5.2.5	16.13.0
2022-09	RAN#97	R5-224356	0242	-	F	Corrections to Applicability of NR TC 8.1.4.4.4	16.13.0
2022-09	RAN#97	R5-224439	0246	-	F	Applicability updates to NR EIEI test cases	16.13.0
2022-09	RAN#97	R5-224479	0248	-	F	Addition of Applicability for NPN test cases	16.13.0
2022-09	RAN#97	R5-225261	0262	-	F	Addition of applicability for new testcase 11.3.10	16.13.0

2022-09	RAN#97	R5-225296	0249	1	F	Addition of applicability for NR SL SIG TCs	16.13.0
2022-09	RAN#97	R5-225298	0243	1	F	Correction of test applicability for TC 7.1.1.12.4.x	16.13.0
2022-09	RAN#97	R5-225309	0240	1	F	Addition of legacy test cases applicable to SNPN Only UE	16.13.0
2022-09	RAN#97	R5-225322	0257	1	F	Addition of Applicability of new NR-NR Dual Connectivity test case	16.13.0
2022-09	RAN#97	R5-225413	0233	1	F	Update of applicability for CA test case 7.1.1.3.8.x	16.13.0
2022-09	RAN#97	R5-225414	0236	1	F	Update of 5G-NR test cases applicability	16.13.0
2022-09	RAN#97	R5-225415	0252	1	F	Addition of applicability of NE-DC RRC test cases	16.13.0
2022-09	RAN#97	R5-225417	0261	1	F	Addition of new test case for RRC DL segmentation	16.13.0
2022-09	RAN#97	R5-225452	0259	3	F	Add applicability for Rel-15 Inter-system mobility between untrusted Non-3GPP and 3GPP system	16.13.0
2022-09	RAN#97	R5-224590	0251	-	F	Addition of applicability of new eNS Ph2 test cases	17.0.0
2022-09	RAN#97	R5-225174	0260	-	F	Applicabilities for new RedCap test cases	17.0.0
2022-09	RAN#97	R5-225332	0239	1	F	Add applicability for Msg3 repetition protocol test case	17.0.0
2022-09	RAN#97	R5-225341	0258	1	F	Addition of applicability of new eNS Test Case for NSAC Initial registration rejected	17.0.0
2022-09	RAN#97	R5-225350	0254	1	F	RedCap UE Test applicability for new test cases	17.0.0
2022-12	RAN#98	R5-226025	0265	-	F	Update the specific PICS for TC 7.1.1.7.1.3	17.1.0
2022-12	RAN#98	R5-226026	0266	-	F	Correction of applicability of UAC TC 11.3.1a	17.1.0
2022-12	RAN#98	R5-226050	0267	-	F	Updates to applicability of NR RRC TC 8.1.1.2.4	17.1.0
2022-12	RAN#98	R5-226272	0268	-	F	Inclusive Language Review of TS 38.523-2	17.1.0
2022-12	RAN#98	R5-226476	0273	-	F	Add applicability for Rel-15 Inter-system mobility between untrusted Non-3GPP and 3GPP system	17.1.0
2022-12	RAN#98	R5-227021	0284	-	F	Addition of applicability of new eNS Test Cases	17.1.0
2022-12	RAN#98	R5-227153	0287	-	F	Addition of test applicability for MBS TC	17.1.0
2022-12	RAN#98	R5-227219	0289	-	F	Addition of applicability clauses for IMS emergency test cases 11.4.13 and 11.4.14	17.1.0
2022-12	RAN#98	R5-227220	0290	-	F	Addition of applicability clauses for MR-DC test cases 8.2.3.13.2 and 8.2.3.14.3	17.1.0
2022-12	RAN#98	R5-227257	0292	-	F	Addition of applicability for NR EIEI test cases	17.1.0
2022-12	RAN#98	R5-227302	0294	-	F	Addition of applicability for NR unlicensed test cases	17.1.0
2022-12	RAN#98	R5-227312	0295	-	F	Addition of applicability for MUSIM test cases	17.1.0
2022-12	RAN#98	R5-227447	0274	1	F	Correction to applicability of TC 8.1.5.9.1	17.1.0
2022-12	RAN#98	R5-227448	0279	1	F	Addition of applicability of new Idle mode TCs	17.1.0
2022-12	RAN#98	R5-227459	0277	1	F	Corrections to 4.3.1 Protocol conformance test cases applicability for SNPN-only UEs	17.1.0
2022-12	RAN#98	R5-227471	0280	1	F	Add applicability for new NR V2X testcase 12.2.1.5	17.1.0
2022-12	RAN#98	R5-227474	0297		F	Update applicabilities for test cases 8.1.1.4.4-9	17.1.0
2022-12	RAN#98	R5-227502	0291	1	F	Addition of new UE power saving enhancements test cases	17.1.0
2022-12	RAN#98	R5-227537	0293	1	F	Addition of applicability for RedCap test cases	17.1.0
2022-12	RAN#98	R5-227541	0283	1	F	RedCap UE Test applicability for Legacy test cases	17.1.0
2022-12	RAN#98	R5-227560	0286	1	F	Addition of applicability clauses for testcases 8.2.6.3.1 and 8.2.6.3.2	17.1.0
2022-12	RAN#98	R5-227563	0269	1	F	Add applicabilities for test cases 8.1.2.1.5.4, 8.1.2.1.5.5 and 8.1.2.1.5.6	17.1.0
2022-12	RAN#98	R5-227564	0278	1	F	Corrections to Applicability of TC 8.2.7.2.1 and TC 8.2.6.2.2	17.1.0
2022-12	RAN#98	R5-227577	0263	1	F	Update of 5G-NR test cases applicability	17.1.0
2022-12	RAN#98	R5-227579	0270	1	F	Addition of applicability for new eNS Ph2 test cases 9.1.13.1	17.1.0
2022-12	RAN#98	R5-227584	0275	1	F	Addition of applicability of new SNPN Test cases	17.1.0
2022-12	RAN#98	R5-227591	0282	1	F	Updates to RedCap test case applicabilities	17.1.0
2022-12	RAN#98	R5-227592	0285	1	F	Addition of applicability of new SDTTest Cases	17.1.0
2022-12	RAN#98	R5-227596	0281	1	F	Addition of applicability for new test case from 6.3.2.1 to 6.3.2.5	17.1.0
2022-12	RAN#98	R5-227602	0288	1	F	Test applicability for New RedCap test cases	17.1.0
2022-12	RAN#98	R5-227604	0272	1	F	Addition of applicability for PDCP UDC	17.1.0
2023-03	RAN#99	R5-230114	0298	-	F	Update to NSSAA test case 9.1.10.2	17.2.0
2023-03	RAN#99	R5-230115	0299	-	F	Update to test case 11.4.3	17.2.0
2023-03	RAN#99	R5-230271	0303	-	F	Addition of applicability of new TC 8.1.1.1a.2	17.2.0
2023-03	RAN#99	R5-230276	0305	-	F	VOID applicability for SNPN NR5GC TC 10.1.7.1	17.2.0
2023-03	RAN#99	R5-230280	0306	-	F	Corrections to 4.3.1 Protocol conformance test cases applicability for SNPN-only Ues	17.2.0
2023-03	RAN#99	R5-230343	0307	-	F	Addition of applicability for PDCP UDC	17.2.0
2023-03	RAN#99	R5-230382	0309	-	F	Addition of applicability for new NR slice test cases 6.1.2.24 and 6.4.2.3	17.2.0
2023-03	RAN#99	R5-230439	0310	-	F	Applicability updates to NR EIEI test cases	17.2.0
2023-03	RAN#99	R5-230444	0311	-	F	Addition of applicability for new test case of 6.3.2.6	17.2.0
2023-03	RAN#99	R5-230546	0312	-	F	Applicability updates to NR MUSIM test cases	17.2.0
2023-03	RAN#99	R5-230586	0313	-	F	Add applicabilities for test cases 8.2.5.7.1 and 8.2.5.7.2	17.2.0
2023-03	RAN#99	R5-230921	0324	-	F	Addition of applicability for new MUSIM test cases	17.2.0
2023-03	RAN#99	R5-230991	0325	-	F	Add applicability for one NR multi-SIM test case	17.2.0
2023-03	RAN#99	R5-231200	0328	-	F	Applicability updates to NR unlicensed test cases	17.2.0
2023-03	RAN#99	R5-231420	0315	1	F	Add applicabilities for new inter-system mobility test cases	17.2.0
2023-03	RAN#99	R5-231421	0319	1	F	Update the test applicability for 7.1.1.4.1.3 and 7.1.1.4.1.4	17.2.0
2023-03	RAN#99	R5-231443	0302	1	F	Addition of applicability of new TC 8.1.6.1.4.9	17.2.0
2023-03	RAN#99	R5-231446	0329	1	F	Addition of applicability of new MAC test cases for RACH SDT	17.2.0

2023-03	RAN#99	R5-231464	0300	1	F	Add applicability for NR ATSSS test cases	17.2.0
2023-03	RAN#99	R5-231465	0304	1	F	Addition of applicability of new TC 8.2.6.2.4	17.2.0
2023-03	RAN#99	R5-231466	0323	1	F	Correction to NR CA test cases 8.2.4.1.1.x	17.2.0
2023-03	RAN#99	R5-231484	0317	1	F	Addition of test applicability for MBS TC	17.2.0
2023-03	RAN#99	R5-231485	0334	-	F	Addition of applicability of new NE-DC test case 8.2.7.3.1	17.2.0
2023-03	RAN#99	R5-231526	0320	1	F	Addition of applicabilities for Rel-17 IIoT_URLLC SIG testcases	17.2.0
2023-03	RAN#99	R5-231536	0327	1	F	Update to NR TC applicability	17.2.0
2023-03	RAN#99	R5-231541	0316	1	F	Add applicabilities for new eNS test cases	17.2.0
2023-03	RAN#99	R5-231557	0330	1	F	Addition of new applicability of MAC test cases for RAN enhancements for NR slicing	17.2.0
2023-03	RAN#99	R5-231559	0308	1	F	Addition of applicability for new SON_MDT test cases 8.1.6.1.2.14 and 8.1.6.1.2.15	17.2.0
2023-03	RAN#99	R5-231575	0314	1	F	Add applicabilities for new NE-DC test cases	17.2.0
2023-03	RAN#99	R5-231582	0333	1	F	Applicability of new test case for RRC DL segmentation	17.2.0
2023-03	RAN#99	R5-231588	0326	1	F	Applicability for moved RedCap TC 8.1.3.4.1	17.2.0
2023-03	RAN#99	R5-231593	0318	1	F	Add test applicability for SDT TC	17.2.0
2023-03	RAN#99	R5-231596	0321	1	F	Addition of applicabilities for SDT testcases 8.1.5.13.3 and 8.1.5.13.4	17.2.0
2023-03	RAN#99	R5-231597	0331	1	F	Corrections to applicability of SDT TCs	17.2.0
2023-03	RAN#99	R5-231599	0332	1	F	Addition of new UE power saving enhancements test cases	17.2.0
2023-03	RAN#99	R5-231903	0336	1	F	Update to Applicability for Test Case 7.1.1.8.1	17.2.0
2023-03	RAN#99	R5-231911	0337	-	F	Guidance on usage of PICS parameters	17.2.0
2023-03	RAN#99	R5-230343	0307	-	F	implementation of missing CR "Addition of applicability for PDCP UDC"	17.2.1
2023-06	RAN#100	R5-232038	0338	-	F	Add applicability for NR multi-SIM test case 8.1.5.10.2	17.3.0
2023-06	RAN#100	R5-232118	0339	-	F	Update of 5G-NR test cases applicability	17.3.0
2023-06	RAN#100	R5-232269	0342	-	F	Addition of applicability for PDCP UDC test cases	17.3.0
2023-06	RAN#100	R5-232270	0343	-	F	Add applicability for ATSSS TC 10.4.2.2	17.3.0
2023-06	RAN#100	R5-232646	0350	-	F	Correction to applicability of NR MAC test cases 7.1.1.7.1.x	17.3.0
2023-06	RAN#100	R5-232647	0351	-	F	Correction to applicability of NR MAC test case 7.1.1.12.3	17.3.0
2023-06	RAN#100	R5-232685	0352	-	F	Addition of applicability of new RRC TC for RRCRelease with redirection with mpsPriorityIndication-r16	17.3.0
2023-06	RAN#100	R5-232708	0354	-	F	Addition of applicability for new ATSSS test case 10.4.1.5 and 10.4.1.6	17.3.0
2023-06	RAN#100	R5-232943	0355	-	F	Addition of test applicability for RedCap TC	17.3.0
2023-06	RAN#100	R5-233079	0359	-	F	Applicability updates to NR unlicensed test cases	17.3.0
2023-06	RAN#100	R5-233185	0361	-	F	Update to applicability of UAC TC11.3.1a	17.3.0
2023-06	RAN#100	R5-233194	0362	-	F	Editorial correction to specific ICS of test case 8.1.5.9.1	17.3.0
2023-06	RAN#100	R5-233291	0365	-	F	Correction to the applicability of TC 8.1.7.1.1	17.3.0
2023-06	RAN#100	R5-233357	0345	1	F	Add applicabilities for new inter-system mobility test cases	17.3.0
2023-06	RAN#100	R5-233381	0363	1	F	Addition of applicability of new RRC test cases Enhancement of data collection for SON/MDT in NR standalone	17.3.0
2023-06	RAN#100	R5-233390	0356	1	F	Addition of test applicability for MBS TC	17.3.0
2023-06	RAN#100	R5-233393	0357	1	F	Add test applicability for EPS UPIP TC	17.3.0
2023-06	RAN#100	R5-233394	0349	1	F	Addition of applicability for NR cov enh SIG TCs	17.3.0
2023-06	RAN#100	R5-233466	0344	1	F	Add applicabilities for new NR 2 step RACH test cases	17.3.0
2023-06	RAN#100	R5-233472	0341	1	F	Addition of applicability of test case 6.1.2.25	17.3.0
2023-06	RAN#100	R5-233476	0353	1	F	Addition of new Idle mode TC to test the intraFreqReselection in MIB message is set to not allowed	17.3.0
2023-06	RAN#100	R5-233484	0347	1	F	Update titles for test cases 8.1.1.4.7-9	17.3.0
2023-09	RAN#101	R5-233841	0366	-	F	Correction of clause 4	17.4.0
2023-09	RAN#101	R5-234006	0369	-	F	Update of applicability of eDRX TC 11.7.2	17.4.0
2023-09	RAN#101	R5-234007	0370	-	F	Addition of applicability of eDRX TC 11.7.3	17.4.0
2023-09	RAN#101	R5-234022	0371	-	F	Update of applicability for video call cases	17.4.0
2023-09	RAN#101	R5-234023	0372	-	F	Update of applicabitiy for Multi-SPS test cases	17.4.0
2023-09	RAN#101	R5-234082	0373	-	F	Correction of condition for MDT Test Case	17.4.0
2023-09	RAN#101	R5-234224	0376	-	F	Correction of SCell dormancy indication test applicabilities	17.4.0
2023-09	RAN#101	R5-234473	0387	-	F	Addition of test applicablity for MBS TC	17.4.0
2023-09	RAN#101	R5-234480	0389	-	F	Update test condition for 10.1.1.1 and 10.1.1.2	17.4.0
2023-09	RAN#101	R5-234720	0395	-	F	Addition of applicability for new SON_MDT test cases 8.1.6.1.2.16	17.4.0
2023-09	RAN#101	R5-234724	0396	-	F	Addition of applicability for new NR slice test cases 8.1.1.3.9	17.4.0
2023-09	RAN#101	R5-235089	0401	-	F	Title update to NR unlicensed test cases	17.4.0
2023-09	RAN#101	R5-235091	0402	-	F	Addition of applicability for new MPS priority indication UAC test case	17.4.0
2023-09	RAN#101	R5-235300	0375	1	F	Addition of applicability for new test case 11.3.12	17.4.0
2023-09	RAN#101	R5-235476	0385	2	F	Editorial updates to 38.523-2 tables	17.4.0
2023-09	RAN#101	R5-235305	0394	1	F	Update of applicability for ENDC TC 8.2.6.3.1	17.4.0
2023-09	RAN#101	R5-235310	0403	1	F	Applicability updates to NR shared spectrum test cases	17.4.0
2023-09	RAN#101	R5-235316	0399	1	F	Addition of test applicablity for RedCap TC	17.4.0
2023-09	RAN#101	R5-235347	0382	1	F	Applicability updates for eDRX / IDLE / Paging for notification of BCCH modification test case	17.4.0
2023-09	RAN#101	R5-235355	0374	1	F	Add applicabilities for new MDT enhance test cases	17.4.0

2023-09	RAN#101	R5-235363	0368	1	F	Addition of applicability for eNPN test cases	17.4.0
2023-09	RAN#101	R5-235382	0367	1	F	Add test applicability for EPS UPIP TC	17.4.0
2023-09	RAN#101	R5-235383	0388	1	F	Correction of test appicability for UPIP TC	17.4.0
2023-09	RAN#101	R5-235384	0397	1	F	Addition of applicability for new UPIP test case 7.1.3.2.6	17.4.0
2023-09	RAN#101	R5-235419	0404	1	F	Updates to Applicability of Protocol conformance test cases Conditions for NTN TC	17.4.0
2023-09	RAN#101	R5-235422	0406	-	F	Addition of Applicability for UAS Test Cases	17.4.0

History

Document history		
V17.0.0	October 2022	Publication
V17.1.0	January 2023	Publication
V17.2.1	May 2023	Publication
V17.3.0	July 2023	Publication
V17.4.0	October 2023	Publication