# 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.

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).

## 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 | 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 |
| 6.1.1.5 | 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 |
| 6.1.2.4 | 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 |
| 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 |
| 6.1.2.16 | 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 |
| **6.2** | **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 |
| 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 (RRConnRelease) | 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 | C21 | UEs supporting 5G Core |
| 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 |
| **6.4** | **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 |
| **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 |
| **6.4.3** | **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 |
| **6.5** | **SNPN and CAG Selection** |  |  |  |
| **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 |
| 6.5.2.4 | 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 |

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** |  |  |  |  |
| 6.1.2.8 |  |  | If test case 6.1.2.7 has been executed then test case 6.1.2.8 needs not to be executed |  |
| 6.1.2.23 |  | 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 |

## 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 |
| C08 | IF A.4.3.3-1/1 THEN R ELSE N/A | UEs supporting 5GS and 12-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 |
| 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 |
| 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 |
| 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) THEN R ELSE N/A | UEs supporting EN-DC and NR measurements and Event A triggered reporting and intra-band contiguous CA |
| 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) THEN R ELSE N/A | UEs supporting EN-DC and NR measurements and Event A triggered reporting and inter-band CA |
| 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) THEN R ELSE N/A | UEs supporting EN-DC and NR measurements and Event A triggered reporting and intra-band non-contiguous CA |
| 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. 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 |
| 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. 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.4.3.2-1/24 OR A.4.3.2-1/24A) THEN R ELSE N/A | UEs supporting 5GS and (DCI and timer based active BWP switching delay type1 or type2) and (Support of BWP adaptation up to 2 or up to 4) |
| 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 anf 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 contiguous CA and CA-based PDCP duplication over MCG or SCG DRB anf 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 anf 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.4.3.2A.1-2/1 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 anf UL NR CA with 2 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.4.3.2A.1-2/1 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 anf UL NR CA with 2 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.4.3.2A.1-2/1 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 anf UL NR CA with 2 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 THEN R ELSE N/A | UEs supporting 5G Core and Initiating session and MTSI video |
| C80 | IF A.4.1-4/6 THEN R ELSE N/A | UEs supporting NR-DC |
| C81 | IF (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 5GS and intra-band contiguous CA and UL NR CA with 2 carriers |
| C82 | IF (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 5GS and inter-band CA and UL NR CA with 2 carriers |
| C83 | IF (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 5GS and intra-band non-contiguous CA and UL NR CA with 2 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 | 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.4.3.7-1/14 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 emergency services in NR connected to 5GCN |
| 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 |
| 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 |
| 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 |
| 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 |  |
| C113 | IF A.4.1-5/1 AND A.4.3.2/1 THEN R ELSE N/A | UEs 5GS and PDSCH reception based on multiple semi-persistent scheduling |
| 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 AND A.4.3.7-1/25 THEN R ELSE N/A | UEs supporting 5G Core and RRC message Segmentation in the UL and Support of test function for using a preconfigured UE capability container over NR |
| 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 |
| 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.4.4-1/12 THEN R ELSE N/A | UEs supporting 5G core and Bluetooth measurements in RRC\_IDLE and RRC\_INACTIVE state |
| C138 | IF A.4.1-5/1 AND A.4.4-1/13 THEN R ELSE N/A | UEs supporting 5G core 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. |
| 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 5GS 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 |
| 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 THEN R ELSE N/A | UEs supporting 5G Core and intra-band contiguous CA and RRC\_INACTIVE |
| 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 THEN R ELSE N/A | UEs supporting 5G Core and intra-band non-contiguous CA and RRC\_INACTIVE |
| 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 THEN R ELSE N/A | UEs supporting 5G Core and inter-band CA and RRC\_INACTIVE |
| 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 |
| C162 | IF A.4.1-5/1 AND [9] A.22/8 THEN R ELSE N/A | UEs supporting 5G Core and NG.114 v1.0 default configuration voice exempt |
| 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.4.3.7-1/52 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 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 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 THEN R ELSE N/A | UEs supporting 5G Core and NG.114 v2.0 default configuration video exempt |
| 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/xx THEN R ELSE N/A | UEs supporting 5GS and lcp-Restriction  Editor’s Note: ‘A.4.3.5-1/xx’ (Support of lcp-Restriction) is not defined |
| 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/XX THEN R ELSE N/A | UEs supporting 5G Core and RACS and Manufacturer assigned Radio Capability ID  Editor’s Note: XX shall be '35'. R5-221541 says it's in 38.508-1 (CR not indicated), but is in 38.508-2 in fact. |
| C178 | IF A.4.1-5/1 AND [10](A.4.1-1/1 OR A.4.1-1/2) AND A.4.3.7-1/17 AND [10]A.4.4-1/215THEN 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). |
| 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. |

## 4.3 Protocol conformance legacy test cases applicability for Verticals

Legacy test cases applicable to SNPN-only UEs (A.4.1-5/3) are listed in Table 4.3-1.

Table 4.3-1: Protocol conformance legacy test cases applicable to SNPN-only UE, ref. TS 38.523-1 [2]

|  |  |
| --- | --- |
| Clause | Comment |
| 6.1.2.1 |  |
| 6.1.2.2 |  |
| 6.1.2.3 |  |
| 6.1.2.4 |  |
| 6.1.2.5 |  |
| 6.1.2.9 |  |
| 6.1.2.11 |  |
| 6.1.2.16 |  |
| 6.1.2.17 |  |
| 6.1.2.18 |  |
| 6.1.2.19 |  |
| 6.1.2.20 |  |
| 6.1.2.21 |  |
| 6.1.2.22 |  |