## 8.5 Security in testing

The security functions at the SS side are implemented in RLC and MAC layers. When the AM or UM RLC entities and a MAC(d) entity are created, the TTCN will download a security context for each CN domain used. The two ASPs CMAC\_SecurityMode\_Config\_REQ and CRLC\_SecurityMode\_Config\_REQ configure the SS security contexts and associate the contexts to the created entities. The SS shall support one activate security contexts and one context pending activation for each CN domain.

A security context at the SS consists of the security parameter START, 20 bits long and a pair of integrity key and a ciphering key, each 128 bits long. All these security parameters belong to a CS or a PS domain. The SS shall have the ability to store these values till the new values are downloaded and activated. STARTcs is used for initialization of all counters-C and counters-I (32 bits long each) of all DL and UL radio bearers for ciphering and integrity protection in the CS domain. The same is for STARTps in the PS domain. The TTCN downloads the new START value whenever it is received from the UE. In the case of a succeeded authentication procedure, the START value is reset to zero by the TTCN.

Once the START is downloaded the SS will, according to the activation time, initialize the 20 most significant bits of the RRC HFN (for integrity protection), the RLC HFN (for ciphering) and the MAC-d HFN (for ciphering) to the START value of the corresponding service domain; the remaining bits are initialized to 0.

Upon the concerned RLC entities and the MAC(d) entity release in the SS, the associated security contexts are no longer used and shall be removed as well. The RLC and the MAC(d) entities are addressed by the TTCN with the cell id = -1.

### 8.5.1 Authentication

A GMM or MM authentication test step makes use of a number of TSOs to generate an authentication vector:

AV := {RAND, XRES, CK, IK, AUTN}

If the UE has valid authentication parameters (CKSN/KSI), for the respective domain, use of the Authentication procedure after an INITIAL DIRECT TRANSFER message is optional. Authentication in this case will be left to the test case implementation and need not be specified in the prose. However, in the case where the UE does not have valid authentication parameters the Authentication procedure shall be performed.

### 8.5.2 Ciphering

The ciphering in the SS is activated through the ASP CRLC\_Ciphering\_Activate\_REQ for the AM or UM mode and through CMAC\_Ciphering\_Activate\_REQ for the TM mode.

A PIXIT parameter px\_CipheringOnOff indicates whether all the tests are performed under ciphering activated or not. If ciphering should be off at the test execution, the ciphering algorithm in IE ciphering ModeInfo is set to uea0 (no encryption). The UE under test is informed about the SS ciphering capability via IE cipheringAlgorithmCap set to uea0.

Unless specified otherwise in the test prose, px\_CipheringOnOff shall be set to on in FDD mode and off in LCR TDD mode.

Table 8.5.2 gives the mapping of the RB id and the bearer value used in the ciphering calculation at the SS side.

Table 8.5.2: Mapping between RB identity in ASP and BEARER value in the ciphering calculation

| RB identity  (TTCN constant) | Direction | RLC mode | BEARER value | Type | Comments |
| --- | --- | --- | --- | --- | --- |
| -1 (tsc\_RB\_BCCH) | downlink | TM | N/A |  | No ciphering applicable |
| -2 (tsc\_RB\_PCCH) | downlink | TM | N/A |  | No ciphering applicable |
| -3 (tsc\_RB\_BCCH\_FACH) | downlink | TM | N/A |  | No ciphering applicable |
| -4 (tsc\_RB\_2ndPCCH ) | downlink | TM | N/A |  | No ciphering applicable |
| -5 (tsc\_RB\_2ndCCCH ) | uplink | TM | N/A |  | No ciphering applicable |
| -6 (tsc\_RB\_MTCH\_RLC\_TR) | downlink | TM | N/A | RAB | For RLC MTCH test, no ciphering applicable |
| -8 (tsc\_RB\_MCCH\_RLC\_TR) | downlink | TM | N/A |  | No ciphering applicable |
| -10 (tsc\_RB\_UM\_7\_RLC) | downlink | TM | N/A | RAB | For UM RLC tests using 7 bit Lis, no ciphering used |
| -10 (tsc\_RB\_UM\_7\_RLC) | uplink | TM | N/A | RAB | For UM RLC tests using 7 bit LIs, no ciphering used |
| -11 (tsc\_RB\_UM\_15\_RLC) | downlink | TM | N/A | RAB | For UM RLC tests using 15 bit LIs, no ciphering used |
| -11 (tsc\_RB\_UM\_15\_RLC) | uplink | TM | N/A | RAB | For UM RLC tests using 15 bit LIs, no ciphering used |
| -12 (tsc\_RB\_AM\_7\_RLC) | downlink | TM | N/A | RAB | For AM RLC tests using 15 bit LIs, no ciphering used |
| -12 (tsc\_RB\_AM\_7\_RLC) | uplink | TM | N/A | RAB | For AM RLC tests using 7 bit LIs, no ciphering used |
| -13 (tsc\_RB\_AM\_15\_RLC) | downlink | TM | N/A | RAB | For AM RLC tests using 15 bit LIs, no ciphering used |
| -13 (tsc\_RB\_AM\_15\_RLC) | uplink | TM | N/A | RAB | For AM RLC tests using 15 bit LIs, no ciphering used |
| -14 tsc\_RB\_DCCH\_FACH\_MAC) | downlink | TM | N/A | SRB3 | MAC testing no ciphering used |
| -14 (tsc\_RB\_DCCH\_FACH\_MAC) | uplink | TM | N/A | SRB3 | MAC testing no ciphering used |
| -15 (tsc\_RB\_DCCH\_DCH\_MAC) | downlink | TM | N/A | SRB3 | MAC testing no ciphering used |
| -15 (tsc\_RB\_DCCH\_FACH\_MAC) | uplink | TM | N/A | SRB3 | MAC testing no ciphering used |
| -16 (tsc\_RB3\_DCCH\_RRC) | uplink | AM | 2 | SRB3 |  |
| -18 (tsc\_RB\_CCCH\_FACH\_MAC) | downlink | TM | N/A | SRB0 | No ciphering applicable |
| -19 (tsc\_RB\_BCCH\_FACH\_RAB) | downlink | TM | N/A | SRB | No ciphering applicable |
| -20 (tsc\_RB\_DTCH\_E\_DCH\_MAC) | uplink | TM | N/A | RAB | MAC testing no ciphering used |
| -21 (tsc\_RB\_DTCH\_E\_DCH\_MAC1) | uplink | TM | N/A | RAB | MAC testing no ciphering used |
| -22 (tsc\_RB\_DTCH\_E\_DCH\_MAC2) | uplink | TM | N/A | RAB | MAC testing no ciphering used |
| -25 (tsc\_RB\_MAC\_HS) | downlink | TM | N/A | RAB | MAC/RLC testing no ciphering used |
| -25 (tsc\_RB\_MAC\_HS) | uplink | TM | N/A | RAB | MAC/RLC testing no ciphering used |
| -26 (tsc\_RB\_MAC\_ehs\_26) | downlink | TM | N/A | RAB | MACehs testing no ciphering used |
| -26 (tsc\_RB\_MAC\_ehs\_26) | Uplink | TM | N/A | RAB | MACehs testing no ciphering used |
| -27 (tsc\_RB\_MAC\_ehs\_27) | downlink | TM | N/A | RAB | MACehs testing no ciphering used |
| -27 (tsc\_RB\_MAC\_ehs\_27) | downlink | TM | N/A | RAB | MACehs testing no ciphering used |
| 0 (tsc\_RB0) | uplink | TM | N/A | SRB0 | No ciphering applicable |
| 0 (tsc\_RB0) | downlink | UM | N/A | SRB0 | No ciphering applicable |
| 1 (tsc\_RB1) | uplink | UM | 0 | SRB1 |  |
| 1 (tsc\_RB1) | downlink | UM | 0 | SRB1 |  |
| 2 (tsc\_RB2) | uplink | AM | 1 | SRB2 |  |
| 2 (tsc\_RB2) | downlink | AM | 1 | SRB2 |  |
| 3 (tsc\_RB3) | uplink | AM | 2 | SRB3 |  |
| 3 (tsc\_RB3) | downlink | AM | 2 | SRB3 |  |
| 4 (tsc\_RB4) | uplink | AM | 3 | SRB4 |  |
| 4 (tsc\_RB4) | downlink | AM | 3 | SRB4 |  |
| 5 (tsc\_RB5) | uplink | TM | 4 | SRB | DCCH |
| 5 (tsc\_RB5) | downlink | TM | 4 | SRB | DCCH |
| 6 | uplink |  | 5 |  | Not used currently |
| 6 | downlink |  | 5 |  | Not used currently |
| 7 | uplink |  | 6 |  | Not used currently |
| 7 | downlink |  | 6 |  | Not used currently |
| 8 | uplink |  | 7 |  | Not used currently |
| 8 (tsc\_RB\_MCCH) | downlink | UM | 7 |  | No ciphering applicable |
| 9 | uplink |  | 8 |  | Not used currently |
| 9 (tsc\_RB\_MSCH) | downlink |  | 8 |  | No ciphering applicable |
| 10 (tsc\_RB10) | uplink | TM | 9 | RAB#1-1 | or RAB1 |
| 10 (tsc\_RB10) | downlink | TM | 9 | RAB#1-1 | or RAB1 |
| 11 (tsc\_RB11) | uplink | TM | 10 | RAB#1-2 | or RAB2 |
| 11 (tsc\_RB11) | downlink | TM | 10 | RAB#1-2 | or RAB2 |
| 12 (tsc\_RB12) | uplink | TM | 11 | RAB#1-3 |  |
| 12 (tsc\_RB12) | downlink | TM | 11 | RAB#1-3 |  |
| 13 (tsc\_RB13) | uplink | TM | 12 | RAB#2 |  |
| 13 (tsc\_RB13) | downlink | TM | 12 | RAB#2 |  |
| 14 | uplink |  | 13 |  | Not used currently |
| 14 (tsc\_MTCH1) | downlink | UM | 13 |  | No ciphering |
| 15 | uplink |  | 14 |  | Not used currently |
| 15 (tsc\_MTCH2) | downlink | UM | 14 |  | No ciphering |
| 16 | uplink |  | 15 |  | Not used currently |
| 16 (tsc\_MTCH3) | downlink | UM | 15 |  | No ciphering |
| 17 (tsc\_RB17) | uplink | AM | 16 | RAB#2 |  |
| 17 (tsc\_RB17) | downlink | AM | 16 | RAB#2 |  |
| 20 (tsc\_RB20) | uplink | AM | 19 | RAB#1 |  |
| 20 (tsc\_RB20) | downlink | AM | 19 | RAB#1 |  |
| 21 (tsc\_RB21) | uplink | UM | 20 | RAB#2 |  |
| 21 (tsc\_RB21) | downlink | UM | 20 | RAB#2 |  |
| 22 (tsc\_RB22) | uplink | AM | 21 | RAB#2 |  |
| 22 (tsc\_RB22) | downlink | AM | 21 | RAB#2 |  |
| 23 (tsc\_RB23) | uplink | AM | 22 | RAB#2 |  |
| 23 (tsc\_RB23) | downlink | AM | 22 | RAB#2 |  |
| 24 (tsc\_RB24) | uplink | AM | 23 | RAB#2 |  |
| 24 (tsc\_RB24) | downlink | AM | 23 | RAB#2 |  |
| 25 (tsc\_RB25) | uplink | AM | 24 | RAB#1 |  |
| 25 (tsc\_RB25) | downlink | AM | 24 | RAB#1 |  |
| 26 (tsc\_RB26) | uplink | UM | 25 | RAB#1 | MAC testing no ciphering used |
| 26 (tsc\_RB26) | downlink | UM | 25 | RAB#1 | MAC testing no ciphering used |
| 27 (tsc\_RB27) | uplink | UM | 26 | RAB#2 | MAC testing no ciphering used |
| 27 (tsc\_RB27) | downlink | UM | 26 | RAB#2 | MAC testing no ciphering used |
| 28 (tsc\_RB28) | uplink | AM | 27 | RAB#3 | MAC testing no ciphering used |
| 28 (tsc\_RB28) | downlink | AM | 27 | RAB#3 | MAC testing no ciphering used |
| 29 | uplink |  | 28 |  | Not used yet currently |
| 29 (tsc\_RB29) | downlink | AM | 28 | SRB0 | No ciphering applicable |
| 30 | uplink |  | 29 |  | Not used yet currently |
| 30 (tsc\_RB30) | downlink | UM | N/A |  | CTCH FACH no ciphering used |
| 31 | uplink |  | 30 |  | Not used yet currently |
| 31 (tsc\_RB31) | downlink | UM | N/A |  | CTCH FACH no ciphering used |
| 32 | uplink |  | 31 |  | Not used yet currently |
| 32 | downlink |  | 31 |  | Not used yet currently |

### 8.5.3 Integrity

The integrity protection in the SS is activated through the ASP CRLC\_Integrity\_Activate\_REQ for all SRB.

MAC-I (MessageAuthenticationCode) is calculated by the SS. If the integrity protection is not yet started, the "integrity protection info" IE is omitted in TTCN. If integrity protection is started the TTCN includes the "integrity protection info" IE with all bits set to "0". The SS takes care of all the necessary initialization and calculation on SRBs.

Once integrity is started, the SS initializes and calculates a correct Message Authentication Code, overrides the initial value all bits "0" and inserts a corresponding RRC message sequence number into the IntegrityCheckInfo for all DL DCCH messages. In UL, the SS shall check the received MessageAuthenticationCode. If it is wrong, the ASP CRLC\_Integrity\_Failure\_IND will report having received an UL message with integrity error. If it is correct SS forwards the received messages to the TTCN.

In addition, CRLC\_MAC\_I\_Mode\_REQ can be used to force the SS generate wrong DL MAC-I on a specific SRB for the integrity error handling test.

### 8.5.4 Test security scenarios

Five basic test scenarios are presented in the present document. The corresponding core spec references are found in 3GPP TS 25.331 [21], clauses 8.1.12, 8.2.2.2, 8.5.10.1, 8.5.10.2, 8.6.3.4, 8.6.3.5, 8.6.4.3 and 8.6.4.8.

Start security;

RB setup;

AM RB reconfiguration;

Security modification;

SRNS relocation;

Modification of RLC size of AM RB during RB reconfiguration;

Cell/URA update;

InterRAt HO to UTRAN.

As Default, the 1st three basic scenarios can be subdivided into:

Start integrity without ciphering start;

Start integrity and ciphering at the same time.

Regarding the simultaneous SRNS relocation, the security scenarios at the relocation are split into:

No security configuration modification;

Modification of integrity (FRESH) without ciphering configuration change;

Modification integrity FRESH and ciphering algorithm;

A security modification pending at the SRNS relocation.

This clause shows the procedures how the security ASP applied to the SS configurations at the different security test scenarios.

#### 8.5.4.1 Start security function

CIPHERING\_STATUS = NotStarted for the CN domain concerned.

##### 8.5.4.1.1 Start integrity protection without start of ciphering

INTEGRITY\_PROTECTION Status = NotStarted.

SECURITY MODE COMMAND with "Integrity protection mode info" IE containing integrityProtectionModeCommand = Start, no "Ciphering mode info" IE

**1 Before sending SECURITY MODE COMMAND (SMC)**

CRLC\_SecurityMode\_Config\_REQ

startValue = value most recently received or 0 (new key)

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_SetRRC\_MessageSN\_REQ (SN=0)

-- Downlink RRC message sequence number set to 0

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

integrityProtectionModeCommand = startIntegrityProtection (FRESH)

integrityProtectionAlgorithm = selected value

-- downlink integrity protection starts immediately

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

ul\_IntegProtActivationInfo = 0 (RB2 only)

**2 Send SECURITY MODE COMMAND**

**3 After receiving SECURITY MODE COMPLETE**

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

ul\_IntegProtActivationInfo = value in "Uplink integrity protection activation time" (except RB2) received from SECURITY MODE COMPLETE

##### 8.5.4.1.2 Start both integrity protection and ciphering

INTEGRITY\_PROTECTION Status = NotStarted.

SECURITY MODE COMMAND with "Integrity protection mode info" IE containing integrityProtectionModeCommand = Start, and "Ciphering mode info" IE containing cipheringModeCommand = Start/Restart (algorithm UEA0 or UEA1)

**1 Before sending SECURITY MODE COMMAND message**

CRLC\_SecurityMode\_Config\_REQ

startValue = value most recently received or 0 ( new key)

cipheringKey = value maintained by TTCN

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_SequenceNumber\_REQ

-- Get current RLC SN of all SRB for calculating suitable down link activation time

CRLC\_Suspend\_REQ

-- Suspend all signalling radio bearers except RB2. Optionally an SS may start immediate suspension of processing of data PDUs in the UL. The UL control PDUs and Piggybacked Status may optionally processed.

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (algorithm)

rb\_DL\_CiphActivationTimeInfo = calculated activation time

incHFN = NotInc

CRLC\_SetRRC\_MessageSN\_REQ (SN=0)

-- Downlink RRC message sequence number set to 0

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

integrityProtectionModeCommand = startIntegrityProtection (FRESH)

integrityProtectionAlgorithm = selected value

(downlink integrity protection starts immediate)

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

ul\_IntegProtActivationInfo = 0 (RB2 only)

CRLC\_ProhibitRLC\_Ack\_REQ

mode = prohibit (RB3 only)

-- An SS supporting suspension of UL data PDUs may provide a dummy CRLC\_ProhibitRLC\_Ack\_CNF

**2 Send SECURITY MODE COMMAND**

**3 After receiving SECURITY MODE COMPLETE**

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = value received in SECURITY MODE COMPLETE

incHFN = NotInc

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

ul\_IntegProtActivationInfo = value in "Uplink integrity protection activation time" (except RB2) received from SECURITY MODE COMPLETE

CRLC\_ProhibitRLC\_Ack\_REQ

mode = continue (RB3 only)

-- An SS supporting suspension of UL data PDUs may provide a dummy CRLC\_ProhibitRLC\_Ack\_CNF

CRLC\_Resume\_REQ

-- If the SS implemented the optional suspension of UL data PDUs, then the processing in the UL of data PDUs shall be resumed. Any suspended UL control PDUs and Piggybacked Status shall be preceded or resumed.

##### 8.5.4.1.3 Void

#### 8.5.4.2 RB setup

INTEGRITY\_PROTECTION Status = Started.

Condition: "RAB information for setup" IE included in RADIO BEARER SETUP

##### 8.5.4.2.1 AM / UM RB

1 Sending the RADIO BEARER SETUP message.

2 Configuring the RB.

3 After receiving RADIO BEARER SETUP COMPLETE.

8.5.4.2.1.1 Ciphering not started

CIPHERING\_STATUS = NotStarted for the CN domain concerned

CRLC\_SecurityMode\_Config\_REQ

startValue = value most recently received

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = NULL (no ciphering)

rb\_DL\_CiphActivationTimeInfo = 0 (from the first block)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = 0 (from the first block)

incHFN = NotInc

8.5.4.2.1.2 Ciphering started

CIPHERING\_STATUS = Started for the CN domain concerned

CRLC\_SecurityMode\_Config\_REQ

startValue = value most recently received

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (algorithm)

rb\_DL\_CiphActivationTimeInfo = 0 (from the first block)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = 0 (from the first block)

incHFN = NotInc

##### 8.5.4.2.2 TM RB

Enter Cell\_DCH,

no TM RB established before,

"COUNT-C activation time" IE included in RADIO BEARER SETUP COMPLETE message.

8.5.4.2.2.1 Ciphering not started

CIPHERING\_STATUS = NotStarted for the CN domain concerned,

**1 Send the RADIO BEARER SETUP message**

**2 Configuring the RB**

**3 After receiving RADIO BEARER SETUP COMPLETE**

CMAC\_SecurityMode\_Config\_REQ

startValue = value most recently received

cn\_DomainIdentity = CS or PS

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

incHFN = NotInc

cipheringModeCommand = NULL (no ciphering)

activationTimeForDPCH = value in "COUNT-C activation time"

8.5.4.2.2.2 Ciphering started

CIPHERING\_STATUS = Started for the CN domain concerned,

**1 Sending RADIO BEARER SETUP**

**2 Configuring the RB**

CMAC\_SecurityMode\_Config\_REQ

startValue = value most recently received

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

incHFN = NotInc

cipheringModeCommand = Start/Restart (algorithm)

activationTimeForDPCH = value in "Activation time" of the RB

**3 After receiving RADIO BEARER SETUP COMPLETE message**

CMAC\_SecurityMode\_Config\_REQ

startValue = value received in response message

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

incHFN = IncPerCFN\_Cycle

cipheringModeCommand = Start/Restart (algorithm)

activationTimeForDPCH = value in "COUNT-C activation time"

#### 8.5.4.3 RB Reconfiguration for AM RAB modification of RLC size

CIPHERING\_STATUS = Started for the CN domain concerned,

"RB mapping info" IE, **changing AM RB RLC size**, is included in

CELL UPDATE CONFIRM,

RADIO REARER RECONFIGURATION,

RADIO BEARER RELEASE

##### 8.5.4.3.1 "RB mapping info" in CELL UPDATE CONFIRM

After sending the CELL UPDATE CONFIRM message, re-establish the RB and re-configure the RB with new RLC size and re-initialize COUNT-C for the RB:

CRLC\_Config\_REQ

Release the concerned RB

CRLC\_Config\_REQ

Setup the concerned RB (new RLC size)

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the CELL UPDATE message

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CiphActivationTimeInfo = now

incHFN = NotInc

##### 8.5.4.3.2 "RB mapping info" in RB RECONFIGURATION / RELEASE

After receiving the reconfiguration complete message, re-establish the RB and re-configure the RB with new RLC size and re-initialize COUNT-C for the RB:

CRLC\_Config\_REQ

Release the concerned RB

CRLC\_Config\_REQ

Setup the concerned RB (new RLC size)

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the reconfiguration complete message

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CiphActivationTimeInfo = now

incHFN = NotInc

#### 8.5.4.4 Security modification

Updating security keys is the scenario in this clause.

INTEGRITY\_PROTECTION STATUS = Started

SECURITY MODE COMMAND contains "Ciphering mode info" IE and/or "Integrity protection mode info" IE

##### 8.5.4.4.1 Integrity started, ciphering not started

CIPHERING\_STATUS = NotStarted for the CN domain concerned

SECURITY MODE COMMAND with "Integrity protection mode info" IE containing integrityProtectionModeCommand = modify, but "Ciphering mode info" IE absent the same CN domain as in the previous SMC to start integrity protection.

**1 Before sending SECURITY MODE COMMAND message**

CRLC\_SecurityMode\_Config\_REQ

startValue = 0 (new key)

integrityKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_RRC\_MessageSN\_REQ

-- Get current RRC Message SN for calculation of DL activation time

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

integrityProtectionModeCommand = modify

dl\_IntegrityProtActivationInfo = now (SRB2), calculated value or a pending activation time set by previous security mode control procedure (SRB2 other than SRB2)

CRLC\_Integrity\_Activate\_REQ (CN domain concerned, RB2)

ul\_IntegrityProtActivationInfo = now

**2 Sending SECURITY MODE COMMAND message**

**3 After receiving SECURITY MODE COMPLETE**

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

ul\_IntegProtActivationInfo = value in "Uplink integrity protection activation time" (except RB2)

##### 8.5.4.4.2 Integrity and ciphering started

CIPHERING\_STATUS = Started for the CN domain concerned

SECURITY MODE COMMAND contains

"Integrity protection mode info" IE with integrityProtectionModeCommand = modify,

"Ciphering mode info" IE with cipheringModeCommand = Start/Restart.

**1 Before sending SECURITY MODE COMMAND message**

CRLC\_SecurityMode\_Config\_REQ

startValue = 0 (new key)

integrityKey = new key

cipheringKey = new key

cn\_DomainIdentity = CS or PS

if TM RB exist

CMAC\_SecurityMode\_Config\_REQ

startValue = 0 ( new key)

cipheringKey = new key

integrityKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_SequenceNumber\_REQ

-- Get current RLC SN for calculating suitable down link activation time

CRLC\_Suspend\_REQ

-- Optionally an SS may start immediate suspension of processing of data PDUs in the UL. The UL control PDUs and Piggybacked Status may optionally be processed.

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = calculated activation time

incHFN = NotInc

CRLC\_RRC\_MessageSN\_REQ

-- Get current RRC message SN for calculating suitable DL activation time

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

integrityProtectionModeCommand = modify

dl\_IntegrityProtActivationInfo = now (SRB2), calculated value or a pending activation time set by previous security mode control procedure (SRB other than SRB2)

CRLC\_Integrity\_Activate\_REQ (CN domain concerned,RB2)

ul\_IntegrityProtActivationInfo = now

if TM RB exist

CPHY\_Frame\_Number\_REQ

--Get current CFN for calculating suitable activation time for TM RB

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (existing algorithm)

activationTimeForDPCH = calculated activation time

incHFN = IncPerCFN\_Cycle

CRLC\_ProhibitRLC\_Ack\_REQ

mode = prohibit (RB3 only)

-- An SS supporting suspension of UL data PDUs may provide a dummy CRLC\_ProhibitRLC\_Ack\_CNF

**2 Sending SECURITY MODE COMMAND message**

**3 After receiving SECURITY MODE COMPLETE**

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = value received in SECURITY MODE COMPLETE

incHFN = NotInc

CRLC\_Integrity\_Activate\_REQ (CN domain concerned, except RB2)

ul\_IntegProtActivationInfo = value in "Uplink integrity protection activation time"

CRLC\_ProhibitRLC\_Ack\_REQ

mode = continue (RB3 only)

-- An SS supporting suspension of UL data PDUs may provide a dummy CRLC\_ProhibitRLC\_Ack\_CNF

CRLC\_Resume\_REQ

-- If the SS implemented the optional suspension of UL data PDUs, then the processing in the UL of data PDUs shall be resumed. Any suspended UL control PDUs and Piggybacked Status shall be preceded or resumed.

#### 8.5.4.5 SRNS relocation

Simultaneous SRNS relocation will take place

either "Downlink count synchronization info" IE is received in

CELL UPDATE CONFIRM,

PHYSICAL CHANNEL RECONFIGURATION,

RADIO BEARER SETUP,

RADIO BEARER RELEASE,

TRANSPORT CHANNEL RECONFIGURATION,

URA UPDATE CONFIRM,

UTRAN MOBILITY INFROMATION,

or "new U-RNTI" IE is received in

RADIO BEARER RECONFIGURATION.

INTEGRITY\_PROTECTION Status = Started

##### 8.5.4.5.1 Void

##### 8.5.4.5.2 Presence of "Integrity protection mode info" but absence of "Ciphering mode info"

SRNS relocation related messages listed contains "Integrity protection mode info" but does not have "Ciphering mode info" IE.

SRNS relocation related message with "Integrity protection mode info" IE containing integrityProtectionModeCommand = Start, but no "Ciphering mode info" IE (no ciphering configuration change).

8.5.4.5.2.1 No security configuration pending

No security configuration pending triggered by previous SECURITY MODE COMMAND.

**1 Before sending one of the SRNS relocation related messages**

CRLC\_SecurityMode\_Config\_REQ

startValue = OMIT (no COUNT-I re-initialization)

integrityKey = OMIT or value maintained by TTCN (no key change)

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

integrityProtectionModeCommand = Start (FRESH)

integrityProtectionAlgorithm = selected value

-- downlink integrity protection starts immediately

CRLC\_Integrity\_Activate\_REQ (CN domain concerned)

ul\_IntegProtActivationInfo = value (now)

**2 Sending one of the SRNS relocation related messages**

**3 Re-establishing RB2 and re-initialize COUNT-C for RB2**

CRLC\_SequenceNumber\_REQ

CRLC\_SequenceNumber\_CNF

newHFN = MAX(HFN of DL COUNT-C of RB2, HFN of UL COUNT-C of RB2) + 1

CRLC\_Config\_REQ

-- Release RB2

CRLC\_Config\_REQ

-- Setup RB2

CRLC\_SecurityMode\_Config\_REQ

startValue = newHFN

cn\_DomainIdentity = CS or PS concerned

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

if CIPHERING\_STATUS= NotStarted

cipheringModeCommand = NULL (no ciphering)

if CIPHERING\_STATUS = Started

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (RB2 only)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = now (RB2 only)

incHFN = NotInc

**4 Receiving the response message**

**5 Re-establishing all RBs and SRBs (except SRB2) and re-initialize COUNT-C for all RBs and SRBs (except SRB2)**

CRLC\_Config\_REQ

-- Release all RBs and all SRBs (except SRB2)

CRLC\_Config\_REQ

-- Setup all RB's and all SRB's (except RB2)

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

if CIPHERING\_STATUS= NotStarted

cipheringModeCommand = NULL (no ciphering)

if CIPHERING\_STATUS = Started

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (except SRB2)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CiphActivationTimeInfo = now (except SRB2)

incHFN = NotInc

8.5.4.5.2.2 Pending security configuration (new keys)

A pending security configuration is triggered by the previous SECURITY MODE COMMAND (new Key).

**1 Before sending one of the SRNS relocation related messages**

CRLC\_SecurityMode\_Config\_REQ

startValue = 0 (new key)

integrityKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

**2 Send one of the SRNS relocation related messages**

**3 Re-establish RB2 and re-initialize COUNT-C for RB2**

CRLC\_SequenceNumber\_REQ

CRLC\_SequenceNumber\_CNF

HFN = MAX(HFN of DL/UL COUNT-C of RB2) + 1

CRLC\_Config\_REQ

Release RB2

CRLC\_Config\_REQ

Setup RB2

CRLC\_SecurityMode\_Config\_REQ

startValue = HFN calculated above

cipheringKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

if CIPHERING\_STATUS= NotStarted

cipheringModeCommand = NULL (no ciphering)

if CIPHERING\_STATUS = Started

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (RB2 only)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CipheringActivationTimeInfo = now (RB2 only)

incHFN = NotInc

**4 Receive the response message**

**5 Re-establish all RBs and SRBs (except RB2) and re-initialize COUNT-C for all RBs and SRBs (except RB2)**

CRLC\_Config\_REQ

Release all RB's and SRB's (except RB2)

CRLC\_Config\_REQ

Setup all RB's and SRB's (except RB2)

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

integrityKey = new key

cipheringKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate \_REQ

if CIPHERING\_STATUS= NotStarted

cipheringModeCommand = NULL (no ciphering)

if CIPHERING\_STATUS = Started

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (except RB2)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CiphActivationTimeInfo = now (except RB2)

incHFN = NotInc

**6 Re-initialize COUNT-I for all RB's and SRB's (except RB2)**

CRLC\_SecurityMode\_Config\_REQ

startValue = 0 (new key)

integrityKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

8.5.4.5.2.3 Pending security configuration (no new keys)

A pending security configuration is triggered by the previous SECURITY MODE COMMAND (no new keys).

**1 Before sending one of the SRNS relocation related messages**

CRLC\_SecurityMode\_Config\_REQ

startValue = OMIT (no COUNT-I re-initialization)

integrityKey = OMIT or value maintained by TTCN (no key change) cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

SS\_IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

**2 Send one of the SRNS relocation related messages**

**3 Re-establish RB2 and re-initialize COUNT-C for RB2**

CRLC\_SequenceNumber\_REQ

CRLC\_SequenceNumber\_CNF

HFN = MAX(HFN of DL/UL COUNT-C of RB2) + 1

CRLC\_Config\_REQ

Release RB2

CRLC\_Config\_REQ

Setup RB2

CRLC\_SecurityMode\_Config\_REQ

startValue = HFN calculated above

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

if CIPHERING\_STATUS= NotStarted

cipheringModeCommand = NULL (no ciphering)

if CIPHERING\_STATUS = Started

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (RB2 only)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CipheringActivationTimeInfo = now (RB2 only)

incHFN = NotInc

**4 Receive the response message**

**5 Re-establish all RBs and SRBs (except RB2) and re-initialize COUNT-C for all RBs and SRBs (except RB2)**

CRLC\_Config\_REQ

Release all RB's and SRB's (except RB2)

CRLC\_Config\_REQ

Setup all RB's and SRB's (except RB2)

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

if CIPHERING\_STATUS= NotStarted

cipheringModeCommand = NULL (no ciphering)

if CIPHERING\_STATUS = Started

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (except RB2)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CiphActivationTimeInfo = now (except RB2)

incHFN = NotInc

**6 Re-initialize COUNT-I for all RB's and SRB's (except RB2)**

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

##### 8.5.4.5**.**3Presence of "Integrity protection mode info" and "Ciphering mode info" IE

CIPHERING\_STATUS = Started for the CN domain concerned,

SRNS relocation related message with "Integrity protection mode info" IE containing integrityProtectionModeCommand = Start, and "Ciphering mode info" IE containing cipheringModeCommand = Start/Restart (change ciphering algorithm, no "Radio bearer downlink ciphering activation time info")

8.5.4.5.3.1 No security configuration pending

**1 Before sending one of the SRNS relocation related messages**

CRLC\_SecurityMode\_Config\_REQ

startValue = OMIT (no COUNT-I re-initialization)

integrityKey = OMIT or value maintained by TTCN (no key change)

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

SS\_IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

**2 Send one of the SRNS relocation related messages**

**3 Re-establish RB2 and re-initialize COUNT-C for RB2**

CRLC\_SequenceNumber\_REQ

CRLC\_SequenceNumber\_CNF

HFN = MAX(HFN of DL/UL COUNT-C of RB2) + 1

CRLC\_Config\_REQ

Release RB2

CRLC\_Config\_REQ

Setup RB2

CRLC\_SecurityMode\_Config\_REQ

startValue = HFN calculated above

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

if CIPHERING\_STATUS= NotStarted

cipheringModeCommand = NULL (no ciphering)

if CIPHERING\_STATUS = Started

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (RB2 only)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CipheringActivationTimeInfo = now (RB2 only)

incHFN = NotInc

**4 Receive the response message**

**5 Re-establish all RBs and SRBs (except RB2) and re-initialize COUNT-C for all RBs and SRBs (except RB2)**

CRLC\_Config\_REQ

Release all RB's and SRB's (except RB2)

CRLC\_Config\_REQ

Setup all RB's and SRB's (except RB2)

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

cipheringModeCommand = Start/Restart (new algorithm)

rb\_DL\_CiphActivationTimeInfo = now (except RB2)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CiphActivationTimeInfo = now (except RB2)

incHFN = NotInc

8.5.4.5.3.2 Pending security configuration (new keys)

**1 Before sending one of the SRNS relocation related messages**

CRLC\_SecurityMode\_Config\_REQ

startValue = 0 (new key)

integrityKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

SS\_IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

**2 Send one of the SRNS relocation related messages**

**3 Re-establish RB2 and re-initialize COUNT-C for RB2**

CRLC\_SequenceNumber\_REQ

CRLC\_SequenceNumber\_CNF

HFN = MAX(HFN of DL/UL COUNT-C of RB2) + 1

CRLC\_Config\_REQ

Release RB2

CRLC\_Config\_REQ

Setup RB2

CRLC\_SecurityMode\_Config\_REQ

startValue = HFN calculated above

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

cipheringModeCommand = NULL (no ciphering status change)

rb\_DL\_CiphActivationTimeInfo = now (RB2 only)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CipheringActivationTimeInfo = now (RB2 only)

incHFN = NotInc

**4 Receive the response message**

**5 Re-establish all RBs and SRBs (except RB2) and re-initialize COUNT-C for all RBs and SRBs (except RB2)**

CRLC\_Config\_REQ

Release all RB's and SRB's (except RB2)

CRLC\_Config\_REQ

Setup all RB's and SRB's (except RB2)

CRLC\_SecurityMode\_Config\_REQ

startValue = 0

integrityKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate \_REQ

cipheringModeCommand = Start/Restart (new algorithm)

rb\_DL\_CiphActivationTimeInfo = now (except RB2)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CiphActivationTimeInfo = now (except RB2)

incHFN = NotInc

**6 Re-initialize COUNT-I for all RBs and SRBs (except RB2)**

CRLC\_SecurityMode\_Config\_REQ

startValue = 0 (new key)

integrityKey = new key

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

8.5.4.5.3.3 Pending security configuration (no new key)

**1 Before sending one of the SRNS relocation related messages**

CRLC\_SecurityMode\_Config\_REQ

startValue = OMIT (no COUNT-I re-initialization)

integrityKey = OMIT or value maintained by TTCN (no key change)

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

SS\_IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

**2 Send one of the SRNS relocation related messages**

**3 Re-establish RB2 and re-initialize COUNT-C for RB2**

CRLC\_SequenceNumber\_REQ

CRLC\_SequenceNumber\_CNF

HFN = MAX(HFN of DL/UL COUNT-C of RB2) + 1

CRLC\_Config\_REQ

Release RB2

CRLC\_Config\_REQ

Setup RB2

CRLC\_SecurityMode\_Config\_REQ

startValue = HFN calculated above

n\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ

if CIPHERING\_STATUS= NotStarted

cipheringModeCommand = NULL (no ciphering)

if CIPHERING\_STATUS = Started

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (RB2 only)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ

rb\_UL\_CipheringActivationTimeInfo = now (RB2 only)

incHFN = NotInc

**4 Receive the response message**

**5 Re-establish all RBs and SRBs (except RB2) and re-initialize COUNT-C for all RBs and SRBs (except RB2)**

CRLC\_Config\_REQ

Release all RB's and SRB's (except RB2)

CRLC\_Config\_REQ

Setup all RB's and SRB's (except RB2)

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate \_REQ

cipheringModeCommand = Start/Restart (new algorithm)

rb\_DL\_CiphActivationTimeInfo = now (except RB2)

CRLC\_Ciphering\_Activate \_REQ

rb\_UL\_CiphActivationTimeInfo = now (except RB2)

**6 Re-initialize COUNT-I for all RBs and SRBs (except RB2)**

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

integrityKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Integrity\_Activate\_REQ

IntegrityProtectionModeCommand = Start (FRESH)

IntegrityProtectionAlgorithm = selected value (downlink integrity protection starts immediately)

CRLC\_Integrity\_Activate\_REQ

ul\_IntegProtActivationInfo = value (now)

#### 8.5.4.6 CELL/URA update

##### 8.5.4.6.1 RLC re-establish (RB2, RB3, RB4)

"RLC re-establish (RB2, RB3, RB4)" in CELL UPDATE CONFIRM message is set to TRUE CIPHERING\_STATUS = Started for the CN domain concerned

**1. After sending CELL UPDATE CONFIRM message, re-establish the RB2, RB3 and RB4 (if established)**

CRLC\_SecurityMode\_Config\_REQ

startValue = value received from CELL UPDATE message

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (RB2, RB3, RB4)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = now (RB2, RB3, RB4)

incHFN = NotInc

##### 8.5.4.6.2 RLC re-establish (RAB)

"RLC re-establish (RB5 and upwards)" in CELL UPDATE CONFIRM message is set to TRUE CIPHERING\_STATUS = Started for the CN domain concerned

**1. After sending CELL UPDATE CONFIRM message, re-establish the RAB**

CRLC\_SecurityMode\_Config\_REQ

startValue = value received from CELL UPDATE message

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (existing algorithm)

rb\_DL\_CiphActivationTimeInfo = now (RB5 and upwards)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = now (RB5 and upwards)

incHFN = NotInc

#### 8.5.4.7 Inter RAT handover to UTRAN

##### 8.5.4.7.1 ciphering has not been activated

ciphering has not been started in the radio access technology from which inter RAT handover is performed. TM mode radio bearer will be established in the UTRAN.

**1. Sending HANDOVER TO UTRAN COMMAND in a RAT different from UTRAN**

**2. After receiving HANDOVER TO UTRAN COMPLETE message**

CMAC\_SecurityMode\_Config\_REQ

startValue = value received in HANDOVER TO UTRAN COMPLETE message

cn\_DomainIdentity = CS or PS

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

incHFN = NotInc

cipheringModeCommand = NULL

activationTimeForDPCH = now

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in HANDOVER TO UTRAN COMPLETE

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = NULL

rb\_DL\_CiphActivationTimeInfo = now (RB1, RB2, RB3, RB4)

incHFN = Inc CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = now (RB1, RB2, RB3, RB4)

incHFN = Inc

##### 8.5.4.7.2 ciphering has been activated

ciphering has been started in the radio access technology from which inter RAT handover is performed. TM mode radio bearer will be established in the UTRAN.

**1. Before sending HANDOVER TO UTRAN COMMAND**

CRLC\_SecurityMode\_Config\_REQ

startValue = "START" value included in the IE "UE security information" in the variable "INTER\_RAT\_HANDOVER\_INFO\_TRANSFERRED"

cipheringKey = value generated in authentication procedure in GRAN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (algorithm in HANDOVER TO UTRAN COMMAND)

rb\_DL\_CiphActivationTimeInfo = now (RB1, RB2, RB3, RB4)

incHFN = NotInc

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = now (RB1, RB2, RB3, RB4)

incHFN = NotInc

CMAC\_SecurityMode\_Config\_REQ

startValue = "START" value included in the IE "UE security information" in the variable "INTER\_RAT\_HANDOVER\_INFO\_TRANSFERRED"

cipheringKey = value generated in authentication procedure in GRAN

cn\_DomainIdentity = CS or PS

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

incHFN = NotInc

cipheringModeCommand = Start/Restart (algorithm in HANDOVER TO UTRAN COMMAND)

activationTimeForDPCH = now

**2. Sending HANDOVER TO UTRAN COMMAND in a RAT different from UTRAN**

**3. After receiving HANDOVER TO UTRAN COMPLETE message**

CMAC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (algorithm) in HANDOVER TO UTRAN COMMAND)

activationTimeForDPCH = value in "COUNT-C activation time"

incHFN = IncByOne\_IncPerCFN\_Cycle

CRLC\_SecurityMode\_Config\_REQ

startValue = value received in HANDOVER TO UTRAN COMPLETE

cipheringKey = value generated in authentication procedure in GRAN

cn\_DomainIdentity = CS or PS

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (algorithm in HANDOVER TO UTRAN COMMAND)

rb\_DL\_CiphActivationTimeInfo = now (RB1, RB2, RB3, RB4)

incHFN = Inc

CRLC\_Ciphering\_Activate\_REQ (CN domain concerned)

rb\_UL\_CipheringActivationTimeInfo = now (RB1, RB2, RB3, RB4)

incHFN = Inc

#### 8.5.4.8 Hard handover

Ciphering is activated for any TM radio bearer;

"Downlink DPCH info for all RL" in a message performing timing re-initialized hard handover or;

"Downlink DPCH info for all RL" in a message other than RADIO BEARER SETUP transferring UE to Cell\_DCH from non-Cell\_DCH state.

**1. Before sending the message**

CMAC\_SecurityMode\_Config\_REQ

startValue = value most recently received

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

incHFN = NotInc

cipheringModeCommand = Start/Restart (existing algorithm)

activationTimeForDPCH = now

**2. Send the message for hard HO**

**3. After receiving the response message**

CMAC\_SecurityMode\_Config\_REQ

startValue = value received in the response message

cipheringKey = value maintained by TTCN

cn\_DomainIdentity = CS or PS

CMAC\_Ciphering\_Activate\_REQ (CN domain concerned)

cipheringModeCommand = Start/Restart (existing algorithm)

activationTimeForDPCH = value in "COUNT-C activation time"

incHFN = IncByOne\_IncPerCFN\_Cycle

### 8.5.5 Test USIM configurations

The default test USIM is defined in 3GPP TS 34.108 [3]. This clause specifies a number of specific test USIM configurations which are used for the concerned test cases.

#### 8.5.5.1 Test USIM for Idle mode tests

The PLMN 1-12 identities used below have been defined in 3GPP TS 34.123-1 [1], table 6.2. Clause numbers refer to 3GPP TS 34.123-1 [1].

Test USIM is configured as bellow for PLMN selection of RPLMN, HPLMN, UPLMN and OPLMN in tc\_6\_1\_1\_1, tc\_6\_1\_1\_4, and tc\_6\_1\_1\_14.

Table 8.5.5.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFPLMNwAcT | 1st | PLMN 3 | UTRAN |
|  | 2nd | PLMN 4 | UTRAN |
| EFOPLMNwAcT | 1st | PLMN 5 | UTRAN |
|  | 2nd | PLMN 6 | UTRAN |
| EFFPLMN | PLMN 3 | | |

Test USIM is configured as bellow for PLMN selection of other PLMN with access technology combinations in tc\_6\_1\_1\_2.

Table 8.5.5.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFFPLMN | PLMN 10 | | |

Test USIM is configured as bellow for manual PLMN selection independent of RF level and preferred PLMN in TC\_6\_1\_1\_3.

Table 8.5.5.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| USIM field | Priority | PLMN | Access Technology Identifier |
| EFPLMNwAcT | 1st | PLMN 3 | UTRAN |

The test USIM is configured as bellow in tc\_6\_1\_1\_8.

Table 8.5.5.1.4

|  |  |  |
| --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** |
| EFPLMNwAcT | 1st | PLMN 7 |
| EFOPLMNwAcT | 1st | PLMN 5 |
| 2nd | PLMN 6 |
| EFFPLMN | PLMN 7 | |

Test USIM is configured as bellow for manual PLMN selection in tc\_6\_1\_1\_9.

Table 8.5.5.1.5

|  |  |  |
| --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** |
| EFPLMNwAcT | 1st | PLMN 3 |
| EFOPLMNwAcT | 1st | PLMN 4 |
| 2nd | PLMN 5 |
| EFFPLMN | PLMN 5 | |

Test USIM is configured as bellow for manual PLMN selection in tc\_6\_1\_1\_10.

Table 8.5.5.1.6

|  |  |  |
| --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** |
| EFPLMNwAcT | 1st | PLMN 2 |
| EFOPLMNwAcT | 1st | PLMN 5 |
| EFFPLMN | 1st | PLMN 4 |

The test USIM is configured as bellow in tc\_6\_1\_1\_11.

Table 8.5.5.1.7

|  |  |  |
| --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** |
| EFOPLMNwAcT | 1st | PLMN 2 |
| 2nd | PLMN 3 |
| 3rd | PLMN 4 |
| EFFPLMN | PLMN 2 | |

Test USIMs are configured as bellow for manual PLMN selection in tc\_6\_1\_1\_12. Three test USIMs are needed for the test.

Table 8.5.5.1.8: USIM A

|  |  |  |
| --- | --- | --- |
| USIM field | Priority | PLMN |
| EFEHPLMN | 1st | PLMN 4 |
| 2nd | PLMN 2 |
| 3rd | PLMN 1 |
| EFUST | Service n°71 Equivalent HPLMN and Service n°73 Equivalent HPLMN Presentation Indication available | |
| EFEHPLMNPI | '02' - Display all the available EHPLMNs | |

Table 8.5.5.1.9: USIM B

|  |  |  |
| --- | --- | --- |
| USIM field | Priority | PLMN |
| EFEHPLMN | 1st | PLMN 2 |
| 2nd | PLMN 3 |
| 3rd | PLMN 1 |
| EFUST | Service n°71 Equivalent HPLMN and Service n°73 Equivalent HPLMN Presentation Indication available | |
| EFEHPLMNPI | '01' - Display the highest-priority available EHPLMN only | |

Table 8.5.5.1.10: USIM C

|  |  |  |
| --- | --- | --- |
| USIM field | Priority | PLMN |
| EFEHPLMN | 1st | PLMN 3 |
| 2nd | PLMN 4 |
| 3rd | PLMN 1 |
| EFUST | Service n°71 Equivalent HPLMN available | |
| EFEHPLMNPI | Not present | |

Test USIMs are configured as bellow for manual PLMN selection in tc\_6\_1\_1\_13. Two test USIMs are needed for the test.

Table 8.5.5.1.11: USIM A

|  |  |
| --- | --- |
| USIM field | LRPLMNSI |
| EFLRPLMNSI | 01 |

Table 8.5.5.1.12: USIM B

|  |  |
| --- | --- |
| USIM field | LRPLMNSI |
| EFLRPLMNSI | 00 |

Table 8.5.5.1.13: Parameters common for USIM A & USIM B

|  |  |  |
| --- | --- | --- |
| USIM field | Priority | PLMN |
| EFEHPLMN | 1st | PLMN 5 |
| EFEHPLMN | 2nd | PLMN 4 |

The test USIM is configured as bellow in tc\_6\_1\_1\_15. Two test USIMs are needed for the test.

Table 8.5.5.1.14: USIM A

|  |  |  |
| --- | --- | --- |
| USIM field | Priority | PLMN |
| EFEHPLMN | 1st | PLMN 5 |
| EFEHPLMN | 2nd | PLMN 4 |

Test USIM is configured as below for emergency calls in tc\_6\_1\_2\_6.

Table 8.5.5.1.15

|  |  |  |
| --- | --- | --- |
| USIM field | Priority | PLMN |
| EFFPLMN | PLMN 3 | |

The test USIM is configured in tc\_6\_1\_2\_9a with "Type A" EFACC.

The test USIM is configured in tc\_6\_1\_2\_9b with "Type B" EFACC.

Test USIMs are configured as bellow for Selection of the correct PLMN and associated RAT in tc\_6\_2\_1\_1. Two test USIMs are needed for the test.

Table 8.5.5.1.16: USIM A

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFHPLMNwAcT | 1st | PLMN1 | GSM |
| EFHPLMNwAcT | 2nd | PLMN1 | UTRAN |

Table 8.5.5.1.17: USIM B

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFHPLMNwAcT | 1st | PLMN2 | UTRAN |
| 2nd | PLMN2 | GSM |

Test USIMs are configured as bellow for Selection of RAT for HPLMN in tc\_6\_2\_1\_2. Two test USIMs are needed for the test.

Table 8.5.5.1.18: USIM A

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFLOCI |  | PLMN 1 |  |
| EFHPLMNwAcT | 1st | PLMN2 | UTRAN |
| 2nd | PLMN2 | GSM |

Table 8.5.5.1.19: USIM B

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFLOCI |  | PLMN 1 |  |
| EFHPLMNwAcT | 1st | PLMN2 | UTRAN |
| 2nd | PLMN2 |  |

Test USIMs are configured as bellow for Selection of RAT for HPLMN in tc\_6\_2\_1\_6. Two test USIMs are needed for the test.

Table 8.5.5.1.20: USIM A

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFHPLMNwAcT | 1st | PLMN2 | UTRAN |
| 2nd | PLMN2 | GSM |
| EFPLMNwAcT | 1st | PLMN3 | UTRAN |

Table 8.5.5.1.21: USIM B

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFHPLMNwAcT | 1st | PLMN2 | UTRAN |
| 2nd | PLMN2 |  |
| EFPLMNwAcT | 1st | PLMN3 | UTRAN |

Test USIM for Selection of RAT for UPLMN or OPLMN in tc\_6\_2\_1\_3, tc\_6\_2\_1\_4, tc\_6\_2\_1\_7, tc\_6\_2\_1\_8 and for Selection of Other PLMN with access technology combinations"; Automatic mode in tc\_6\_2\_1\_9.

Table 8.5.5.1.22

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFHPLMNwAcT | 1st | PLMN2 | UTRAN |
| 2nd | PLMN2 | GSM |
| EFPLMNwAcT | 1st | PLMN 3 | UTRAN |
| 2nd | PLMN 4 | GSM |
| EFOPLMNwAcT | 1st | PLMN 5 | UTRAN |
| 2nd | PLMN 6 | GSM |

Test USIM are configured as bellow for manual selection of other PLMN with access technology combinations in tc\_6\_2\_1\_5.

Table 8.5.5.1.23

|  |  |  |  |
| --- | --- | --- | --- |
| **USIM field** | **Priority** | **PLMN** | **Access Technology Identifier** |
| EFLOCI |  | PLMN 7 |  |
| EFFPLMN | PLMN 8 | | |
| PLMN 9 | | |

Test USIM for cell reselection if cell becomes barred or for cell reselection timings requires that the USIM does not contain any preferred RAT. This specific test USIM applies to tc\_6\_2\_2\_1, tc\_6\_2\_2\_2 and tc\_6\_2\_2\_3.

## 8.6 Downlink power setting in SS

Refer to 3GPP TS 34.108 [3], clause 6.1.5.

## 8.7 TTCN-2 Test suite operation definitions

### 8.7.1 Test suite operation definitions in the common modules

Table 8.7.1.1: TSO definitions in the common modules

| TSO Name | Description |
| --- | --- |
| o\_AuthRspChk | **Type of the result:** BOOLEAN  **Parameters:**  p\_AuthRsp : AuthRsp  p\_AuthRspExt : AuthRspExt  p\_K : BITSTRING  p\_RAND : BITSTRING  p\_Ext : BOOLEAN  **Description**  Checks the input parameter p\_AuthRsp and p\_AuthRspExt, both received in an Authentication Response, according to the authentication algorithm defined in the following procedure.  The extension, p\_AuthRspExt, is optional. Its presence is indicated by p\_Ext.  Returns TRUE if the Authentication Response contained in parameters p\_AuthRsp and eventually p\_AuthRspExt is correct, FALSE otherwise.  The value of tcv\_Auth\_n indicates whether the AuthRspExt has been provided by the UE or not (n=31, or 31 < n < 128). See 3GPP TS 34.108 [3], clause 8.1.2.  If not the parameter p\_AuthRspExt is not to be used.  Algorithm (without the knowledge of tcv\_Auth\_n):  =========================================  if NOT p\_Ext EvaluateAuthRsp else EvaluateAuthRspAndAuthRspExt  EvaluateAuthRsp:  ==============  resultbitstring = o\_BitstringXOR(XRES, AuthRsp)  if resultbitstring is all 0s then there is a match.  EvaluateAuthRspAndAuthRspExt:  ============================  XREShigh = o\_BitstringXtract(XRES, 32, 32, 0)  /\* XRES divides into 2 parts: the higher part of 32 bits related to AuthRsp and the lower part related to AuthRspExt \\*/  /\* SourceLength of 32 is only to ensure usage of the procedure \\*/  resultbitstring = o\_BitstringXOR(XREShigh, AuthRsp)  if resultbitstring is all 0s then there is a match for the first 32 bits:EvaluateAuthRspExt else Authentication failed.  EvaluateAuthRspExt:  =================  /\* As AuthRespExt may not be octet aligned the last octet indicated in AuthRspExt is not used for checking \\*/  if (AuthRspExt.iel = 1)  then Authentication passed  /\* there was only 1 possibly incomplete octet which is not used \\*/  else  {  AuthRspExthigh = o\_BitstringXtract(AuthRspExt.authRsp, ((AuthRspExt.iel -1)\* 8), (AuthRspExt.iel -1)\* 8, 0)  /\* extract (AuthRspExt.iel -1)\* 8 bits starting from bit 0 \\*/  XRESlow = o\_BitstringXtract(XRES, ((AuthRspExt.iel -1)\* 8 + 32), (AuthRspExt.iel -1)\* 8, 32)  /\* extract (AuthRspExt.iel -1)\* 8 bits starting from bit 32 \\*/  resultbitstring = o\_BitstringXOR(XRESlow, AuthRspExthigh, (AuthRspExt.iel -1)\* 8)  if resultbitstring is all 0s then there is a match for the bits following the first 32 bits else Authentication failed |
| o\_BitstringChange | **Type of the result:** BITSTRING  **Parameters:**  P\_Str: BITSTRING  p\_Len: INTEGER  p\_Offset: INTEGER  **Description**  Performs the manipulation of a bitstring by toggling the bit identified by p\_Offset. The length of the string to be manipulated is specified in p\_Len. This is only provided to help ensure that the p\_Offset is less than p\_Len.  Returns a resulting bitstring of length p\_Len.  EXAMPLE 1: o\_BitstringChange('010101'B, 6, 5) produces '010100'B.  EXAMPLE 2: o\_BitstringChange('010101'B, 6, 0) produces '110101'B. |
| o\_BitstringConcat | **Type of the result:** BITSTRING  **Parameters:**  P\_Str1: BITSTRING  p\_Str2: BITSTRING  p\_Len1: INTEGER  p\_Len2: INTEGER  **Description**  Performs the concatenation of 2 bitstrings of possibly different lengths.  The bit significance is from left to right, i.e. the MSB is at the left-hand side.  Returns a resulting bitstring p\_Str1 || p\_Str2 of length p\_Len1 + p\_Len.  EXAMPLE: o\_BitstringConcat('010101'B,'11'B) produces '01010111'B of  length 6 + 2 = 8. |
| o\_BitstringXOR | **Type of the result:** BITSTRING  **Parameters:**  p\_Str1: BITSTRING  p\_Str2: BITSTRING  p\_Len: INTEGER  **Description**  Performs an XOR operation using 2 bitstrings of the same length (p\_Len).  Returns a resulting Bitstring of length p\_Len.  EXAMPLE: o\_BitstringXOR('0011'B, '0101'B, 4) produces '0110'B. |
| o\_BitstringXtract | **Type of the result**: BITSTRING  **Parameters:**  P\_Str: BITSTRING  p\_SrcLen: INTEGER  p\_TargetLen: INTEGER  p\_Offset: INTEGER  **Description**  Performs the wrap around extract of a bitstring. The length of the string from which extraction is to be made is specified in p\_SrcLen. The length of the bitstring to be extracted is indicated as p\_TargetLen, the offset in the original string is indicated in p\_Offset.  The bit position 0 is at the left side.  Returns a resulting bitstring of length p\_TargetLen.  EXAMPLE 1: o\_BitstringXtract('101010'B, 6, 2, 1) produces '01'B.  EXAMPLE 2: o\_BitstringXtract('101010'B, 6, 4, 3) produces '0101'B, wrapping around.  EXAMPLE 3: o\_BitstringXtract('111000'B, 6, 4, 3) produces '0111'B, wrapping around. |
| o\_BoolToBit | **Type of the result**: B1  **Parameters:**  p\_Boolean : BOOLEAN  **Description**  This TSO is used to convert the given BOOLEAN into a single bit. A boolean value of TRUE will give a result '1' and a boolean value of FALSE will give a result '0'. |
| o\_BMC\_DrxScheduling | **Type of the result**: BMC\_ResultOfSchedulingLevel2  **Parameters:**  p\_BMC\_CBS\_Message1 : BMCCBSMESSAGE  p\_BMC\_CBS\_Message2 : BMCCBSMESSAGE  p\_BMC\_CB\_RepPeriod : INTEGER  p\_BMC\_NoOfBroadcast\_Req : INTEGER  p\_Offset : BMC\_DRX\_Offset  **Description**  This TSO shall calculate all BMC CBS schedule Messages for the CBS messages as described in 3GPP TS 34.123-1, clause 7.4.3.1.  The TSO has to precalculate the CTCH Block SETs needed, i.e. it shall have all necessary knowledge (RLC segmentation, MAC handling, if needed) to predict the CTCH with BMC contents for the given input to be sent.  The TSO shall consider the BMC CBS Scheduling Level2 as described in 3GPP TS 25.324 [20], 3GPP TR 25.925 [44] and the description of BMC test architecture and test method in the present document, clause 6.8.  The TSO calculates the BMC CBS Schedule messages to predict its next BlockSet to be sent. In addition, a DRX scheduling Bitmap is created for each CTCH allocated TTI aligned to the pre-calculated offset in between 2 CTCH Block Sets.  The principle of DRX shall be followed by this TSO. I.e. BMC Messages shall be sent blockwise (CTCH Block Set) with predicted offset in between 2 Block Sets.  The TSO shall consider the following aspects to calculate the DRX Selection Bitmap and to create the BMC CBS Schedule messages:  1. The first CTCH Block Set consists of the first BMC CBS Schedule message predicting the offset, length and content of the following Block Set where the BMC CBS Message1 shall be send as new message.  2. The BMC CBS Message1 shall be repeated for p\_BMC\_CB\_RepPeriod multiplied by p\_BMC\_NoOfBroadcast\_Req times before the BMC CBS Message2 is broadcasted.  3. The BMC CBS Schedule Messages shall be the last message of a CTCH Block Set, i.e. on the end of a Block Set.  4. If no further repetition of BMC CBS Messages is needed, no further BMC CBS Schedule message shall be created.  output parameter:  DrxSelectionBitmap: The TSO creates a Bitmap as Octetstring for scheduled CTCH allocated TTI as described in 3GPP TS 34.123-3: clause 6.8.2 BMC test method and architecture.  CBS\_Schedule\_Message01, CBS\_Schedule\_Message02, CBS\_Schedule\_Message03:Considering the given BMC PDUs BMC\_DRX\_Offset and BMCCBSMESSAGE to be sent, the BMC Schedule messages have to be created according the given parameter. |
| o\_CheckStringStartWith | **Type of the result:** BOOLEAN  **Parameters:**  p\_SourceString: IA5String  p\_StartString : IA5String  **Description**  o\_CheckStringStartWith returns TRUE if the p\_sourceString start with the p\_StartString.  Otherwise it returns FALSE.  EXAMPLE: o\_CheckStringStartWith ("+CLCC:1,0,0,2,0;", "+CLCC:1,0,0")=TRUE \*/. |
| o\_ComputeSM\_ContentsSpec | **Type of the result:** OCTETSTRING  **Parameters:**  p\_NumOfChars: INTEGER  p\_Text: IA5String  **Description**  This operation provides a short message's contents with a specified number of characters 'p\_NumOfChars', each represented by 7 bits. 'p\_Text' is used as contents of the short message. If 'p\_Text' contains less than 'p\_NumOfChars' characters, 'p\_Text' is repeated until the short message reaches the 'p\_NumOfChars' characters long. The bits are arranged acc. to 3GPP TS 23.038 [34], clause 6.1.2.1.1.  max. 160 characters, i.e. 140 octets. |
| o\_ConcatStrg | **Type of the result:** IA5String  **Parameters:**  P\_String1: IA5String  p\_String2: IA5String  **Description**  o\_ConcatString concatenates 'p\_String1' and 'p\_String2' and returns the resulting string.  EXAMPLE: o\_ConcatString ( "AT+CBST=0" , ",0") = "AT+CBST=0,0" |
| o\_ConvertIMSI | **Type of the result:** IMSI\_GSM\_MAP  **Parameters:**  P\_Imsi : HEXSTRING  The input parameter `p\_Imsi` is a BCD string (subset of HEXSTRING), the result is of type IMSI\_GSM\_MAP. |
| o\_ConvertTMSI | **Type of the result:** TMSI\_GSM\_MAP  **Parameters:**  p\_Tmsi : OCTETSTRING  **Description**  The input parameter 'p\_Tmsi' is an OCTETSTRING; the result is of type TMSI\_GSM\_MAP. |
| o\_ConvertPTMSI | **Type of the result:** P\_TMSI\_GSM\_MAP  **Parameters:**  p\_PTMSI : OCTETSTRING  **Description**  The input parameter `PTMSI` is a OCTETSTRING, the result is of type P\_TMSI\_GSM\_MAP. |
| o\_ConvtPLMN | **Type of the result:** TMSI\_GSM\_MAP  **Parameters:** OCTETSTRING  p\_MCC, p\_MNC : HEXSTRING  **Description**  the functions of o\_ConvtPLMN are as following:  1. The least significant HEX of p\_MNC is removed from p\_MNC and inserted into p\_MCC in the position left to the third HEX to form a new p\_MCC of 4 HEXs, then swap the first HEX (left most, most significant Hex) with the second HEX of the new p\_MCC.  2. Swap the first Hex with the second HEX of the remaining part of p\_MNC and append it to the new p\_MCC formed in Step1 above.  EXAMPLE 1: o\_ConvtPLMN('123'H, '456'H) = '216354'O.  EXAMPLE 2: o\_ConvtPLMN ('234'H, '01F'H) = '32F410'O. |
| o\_FirstDigit | **Type of the result:** B4  **Parameters:**  p\_BCDdigits : HEXSTRING  **Description**  The input parameter p\_BCDdigits shall be a BCD string (subset of HEXSTRING), the result is a BITSTRING[4] of a binary representation of one BCD digit.  The function of the o\_FirstDigit is to return the first (most significant) digit of the input parameter 'p\_BCDdigits'.  EXAMPLE 1: o\_FirstDigit('12345') = '0001'B.  EXAMPLE 2: o\_FirstDigit('012345678') = '0000'B. |
| o\_GetBit | **Type of the result:** BITSTRING  **Parameters:**  p\_Source: BITSTRING  p\_DataLength: INTEGER  **Description**  o\_GetBit returns the BITSTRING of length p\_DataLength extracted from p\_Source.  The extraction shall start in the bit position 0 (at the left). |
| o\_GetLeastSignificantBits | **Type of the result:** BITSTRING  **Parameters:**  bstring : BITSTRING  lg : INTEGER  **Description**  o\_GetLeastSignificantBits operation returns the `lg` least significant bits of the original `bstring`.  for example:  o\_GetLeastSignificantBits('110011000101010'B, 3) = '010'B,  o\_GetLeastSignificantBits('110011000101010'B, 6) = '101010'B. |
| o\_GetMostSignificantBits | **Type of the result:** BITSTRING  **Parameters:**  bstring : BITSTRING  lg :INTEGER  **Description**  o\_GetMostSignificantBits operation returns the `lg` most significant bits of the original `bstring`.  for example:  o\_GetMostSignificantBits('110011000101010'B, 3) = '110'B,  o\_GetMostSignificantBits('110011000101010'B, 6) = '110011'B. |
| o\_GetMostSignificantBits\_WrapAround | **Type of the result:** BITSTRING  **Parameters:**  bstring : BITSTRING  lg :INTEGER  **Description**  o\_GetMostSignificantBits operation returns the `lg` most significant bits of the original `bstring`.  for example:  o\_GetMostSignificantBits('110011000101010'B, 3) = '110'B,  o\_GetMostSignificantBits('110011000101010'B, 6) = '110011'B.  If lg is greater than the length of bstring, then a bitsring of size greater than lg is created by concatenating bstring to itself (any number of times till it is size is greater than lg), and then 'lg' most significant bits of concatenated bstring are returned.  example  o\_GetMostSignificantBits('1100'B, 9) = '110011001'B. |
| o\_GetN\_OctetsFromPRBS | **Type of the result:** OCTETSTRING  **Parameters:**  p\_Start, p\_N: INTEGER  **Description**  This operation returns N octets from a repeated pseudo random bit sequence, starting with octet position p\_Start. The PRBS is the 2047 bit pseudo random test pattern defined in ITU-T Recommendation O.153 [45] for measurements at 64 kbit/s and N x 64 kbit/s  o\_GetN\_OctetsFromPRBS( p\_Start, p\_N ) generates an OCTETSTRING containing p\_N octets starting from octet number p\_Start in the PRBS.  Requirements  p\_Start  0  p\_N  1  Definition  Define the 2 047 bit PRBS sequence b(i) as an m-sequence produced by using the following primitive (over GF(2)) generator polynomial of degree 11:  X^11 + X^9 + 1  This sequence is defined recursively as:  b(i) = 1 , i = 0,1,...,10  b(i) = b(i - 2) + b(i - 11) modulo 2 , i = 11,16,...,2046  The OCTETSTRING, o(j) generated by the present TSO is produced by extracting p\_N octets from the repeated sequence b(i) as follows:  o(j,k) = b( ( ( n\_Start + j ) \* 8 + k ) modulo 2047 )  where:  j = 0,1,..,p\_N - 1  k = 0,1,..7  o(j,k) is the kth bit of the jth octet in o(j),  o(j,0) is the MSB of the jth octet in o(j),  o(j,7) is the LSB of the jth octet in o(j),  Example results:  o\_GetN\_OctetsFromPRBS( 0, 25 ) and o\_GetN\_OctetsFromPRBS( 2047, 25 ) both return:  'FFE665A5C5CA3452085408ABEECE4B0B813FD337873F2CD1E2'O  o\_GetN\_OctetsFromPRBS( 255, 25 ) and o\_GetN\_OctetsFromPRBS( 255 + 2047, 25 ) both return  '01FFCCCB4B8B9468A410A81157DD9C9617027FA66F0E7E59A3'O |
| o\_GetPI | **Type of the result:** BITSTRING  **Parameters:**  p\_Imsi : **HEXSTRING**  p\_Np: INTEGER  **Description**    PI = drx\_index mod np    The drx\_index is calculated as described hereafter:  drx\_index = (p\_Imsi / 8192))  This calculation is defined in TS 25.304 clause 8.3.    NOTE: the IMSI is passed as HEXSTRING, the relevant conversion shall be done. |
| o\_GetSC\_TimeStamp | **Type of the result:** TP\_ServCentreTimeSt  **Parameters:**  p\_timezone : TZONES  This operation provides the hexstring containing the Service Centre Time Stamp (SCTS) according to 3GPP TS 23.040 [35], clauses 9.2.2.1 and 9.2.3.11. The TSO reads the current time of the test systems clock and transforms the time in combination with the input parameter 'timezone' into a service centre time stamp.  Example:  2002 April 18, 15:32:46, timezone=4  o\_GetSC\_TimeStamp returns 20408151236440  TPSCTS is HEXSTRING[14] |
| o\_HexToDigitsMCC | **Type of the result:** MCC  **Parameters:**  p\_BCDdigits : HEXSTRING  **Description**  The input parameter p\_BCDdigits shall be a BCD string (subset of HEXSTRING), the result is a SEQUENCE (SIZE(3)) OF digit (MCC).  NOTE: The length of p\_BCDdigits shall be 3. User shall take the responsibility of fulfilling this requirement.  EXAMPLE 1: o\_HexToDigitsMCC('111'H) = {1, 1, 1}.  EXAMPLE 2: o\_HexToDigitsMCC('123'H) = {1, 2, 3}. |
| o\_HexToDigitsMNC | **Type of the result:** MNC  **Parameters:**  p\_BCDdigits : HEXSTRING  **Description**  The function of this operation is:  1. The least significant HEX is removed if it is 'F' and the operation returns SEQUENCE (SIZE(2)) OF Digit.  2. The operation returns SEQUENCE (SIZE(3)) OF Digit if all 3 HEX digits in p\_BCDdigits are BCD Digit.  EXAMPLE 1: o\_HexToDigitsMNC('123'H) = {1, 2, 3}.  EXAMPLE 2: o\_HexToDigitsMNC('13F'H) = {1, 3}. |
| o\_HexToIA5 | **Type of the result:** IA5String  **Parameters:**  p\_String: HEXSTRING  **Description**  o\_HEX\_TO\_IA5 converts hexadecimal string 'p\_String' to an IA5 String  EXAMPLE: o\_HEX\_TO\_IA5 ( '15A'H) = "15A". |
| o\_IA5\_ToOct | **Type of the result:** OCTETSTRING  **Parameters:**  p\_String : IA5String  **Description**  o\_IA5\_ToOct converts the string p\_String from IA5String type to OCTETSTRING.  Each character is mapped onto an octet, and bit 8 is set to 0. This TSO shall be used to convert Access Point Numbers for example. See 3GPP TS 24008, clause 10.5.6.1  EXAMPLE: o\_IA5\_ToOct ( "15A") = '313541'O. |
| o\_IA5\_BMC\_ToOct | **Type of the result:** OCTETSTRING  **Parameters:**  p\_String :IA5String\_BMC  p\_DCS: TP\_DataCodingScheme  **Description**  o\_IA5\_BMC\_ToOct converts the string p\_String from IA5String\_BMC type to OCTETSTRING.  p\_DCS determines how this is done (refer to 3GPP TS 23.038 [34] clause 5).  If a 7 bit packing is to be applied then proceed as described in 3GPP TS 23.038 [34] clause 6.1.2.2.1 and clause 6.2.1. This is the default case.  If 8bit data is to be used then proceed as described in 3GPP TS 23.038 [34] clause 6.2.2.  If UCS2is to be used then proceed as described in 3GPP TS 23.038 [34] clause 6.2.3.  The type IA5\_BMC implies that the length of p\_String is restricted to 1..1395 octets.  (Refer to 3GPP TS 23.041 [36], 3GPP TS 23.038 [34], 3GPP TS 25.324 [20])  This TSO will always generate a BMC encoded message of 15 page of information. If the input message stream (p\_String) is less than the size of required octet, then the input message will be concatenated to generate a string of required length based on p\_DCS. |
| o\_IA5\_IP\_ToOct | **Type of the result:** OCTETSTRING  **Parameters:**  p\_String: IA5String  p\_IP\_V4: BOOLEAN  **Description**  o\_IA5\_IP\_ToOct converts the string p\_String from IA5String type to OCTETSTRING.  In case of IPv4, p\_String represents an IP address consisting of a number of fields of digits, separated by dots. Each one of the numbers of which the IP address consists is converted into one octet. The dots separating the numbers are ignored.  EXAMPLE 1: o\_IA5\_IP\_ToOct ("200.1.1.80", TRUE) = 'C8010150'O.  EXAMPLE 2: o\_IA5\_IP\_ToOct ("200.1.1.80.100", TRUE) should result in an appropriate error message.  EXAMPLE 3: o\_IA5\_IP\_ToOct ("300.1.1.80", TRUE) should result in an appropriate error message.  In case of IPv6, p\_String represents an IP address consisting of a number of fields of hexadecimal digits, separated by ":".  a) In case of uncompressed IPv6 format each value separated by ";" is converted to 2 octets. The ":" separating the numbers are ignored.  EXAMPLE 1: o\_IA5\_IP\_ToOct(FEDC:BA98:7654:3210:FEDC:BA98:7654:3210, FALSE) = 'FEDCBA9876543210FEDCBA9876543210'O  EXAMPLE 2: o\_IA5\_IP\_ToOct(FEDC:BA98:7654:3210:FEDC:BA98:7654, FALSE) should result in an appropriate error message.  EXAMPLE 3: o\_IA5\_IP\_ToOct(1080:0:0:0:8:800:200C:417A,FALSE) = '108000000000000000080800200C417A'O  EXAMPLE 4: o\_IA5\_IP\_ToOct(1080:0:0:0:8:800:20H:417A,FALSE) should result in an appropriate error message.  b) In case of compressed IPv6 format the use of "::" indicates multiple groups of 16-bits of zeros. The "::" can only appear once in an address.  EXAMPLE 1: o\_IA5\_IP\_ToOct(FF01::101,FALSE) = 'FF010000000000000000000000000101'O  EXAMPLE 2: o\_IA5\_IP\_ToOct(FEDC::7654:3210:FEDC::BA98:7654:3210, FALSE) should result in an appropriate error message.  p\_IP\_V4 is a BOOLEAN. When TRUE, an IP Version 4 address is to be converted, the maximum length of which is 4 octets, otherwise an IP Version 6 address is to be converted, the maximum length of which is 16 octets. See 3GPP TS 24.008 [9], clause 10.5.6.4. |
| o\_IA5\_DigitsToOct | **Type of the result:** OCTETSTRING  **Parameters:**  p\_String: IA5String  **Description**  o\_IA5\_DigitsToOct converts the string p\_String from IA5String type to OCTETSTRING.  Each pair of characters is considered a pair of numbers to be mapped onto 1 octet.  Each character of p\_String shall represent a digit (0..9).  In case the number of characters is odd, then a filler '1111'B is used to fill the last octet required to represent the digits. See 3GPP TS 24.008 [9], clause 10.5.4.7.  EXAMPLE 1: o\_IA5\_DigitsToOct ("0613454120") = '6031541402'O.  EXAMPLE 2: o\_IA5\_DigitsToOct ("06134541209") = '6031541402F9'O.  EXAMPLE 3: o\_IA5\_DigitsToOct ("A6134541209") should result in an appropriate error message. |
| o\_IntToOct | **Type of the result:** OCTETSTRING  **Parameters:**  p\_N : INTEGER  p\_L: INTEGER  **Description**  o\_IntToOct converts the INTEGER `p\_N` into OCTETSTRING with length = 'p\_L'.  EXAMPLE 1: o\_IntToOct(14,1) = '0E'O.  EXAMPLE 2: o\_IntToOct(18,1) = '12'O.  EXAMPLE 3: o\_IntToOct(18,2) = '0012'O. |
| o\_IntToIA5 | **Type of the result:**IA5String  **Parameters:**  p\_N : INTEGER; p\_L: INTEGER  **Description**  o\_IntToIA5 converts the INTEGER `p\_N` into IA5 String with length = 'p\_L'.  EXAMPLE 1: o\_IntToIA5(160,3) = "160";  EXAMPLE 2: o\_IntToIA5(160,4) = " 160";  EXAMPLE 3: o\_IntToIA5(160,2) = "60". |
| o\_OctetstringConcat | **Type of the result:** OCTETSTRING  **Parameters:**  p\_Str1, p\_Str2: OCTETSTRING  **Description**  o\_OctetstringConcat Performs the concatenation of 2 octetstrings of possibly different lengths.  The octet significance is from left to right, i.e. the MSB is at the lefthand side.  Returns a resulting octetstring p\_Str1 || p\_Str2.  EXAMPLE: o\_OctetstringConcat('135'O, '9A38'O) = '1359A38'O. |
| o\_OctToBit | **Type of the result:** BITSTRING  **Parameters:**  p\_OctetStr: OCTETSTRING  **Description**  Converts an OCTETSTRING into a BITSTRING.  The size of the resulting BITSTRING is 8 times the size of the input OCTETSTRING. |
| o\_OctToIA5 | **Type of the result:** IA5String  **Parameters:**  p\_String : OCTETSTRING  **Description**  o\_Oct\_ToIA5 converts the string p\_String from OCTETSTRING type to IA5String.  Each octet is mapped onto a pair of characters. Nibbles 0 - F are translated into "0" - "F".  For example:  o\_Oct\_ToIA5 ( '3BF541'O) = "3BF541" |
| o\_OctToInt | **Type of the result:** INTEGER  **Parameters:**  p\_oct : OCTETSTRING  **Description**  Transform an OCTETSTRING of length 1 to 4 into an unsigned 32 bits IINTEGER value.  If the input octet string is larger than 4, then only the first 4 octets shall be considered. |
| o\_OeBit | **Type of the result:** BITSTRING  **Parameters:**  p\_BCDdigits: HEXSTRING  **Description**  The input parameter 'p\_BCDdigits' is a BCD string (subset of HEXSTRING), the result is BITSTRING[1].  The function of the o\_OeBit is as the follows:  1. It returns '1'B, if the length of the 'p\_BCDdigits' is odd.  2. It returns '0'B, if the length of the 'p\_BCDdigits' is even.  EXAMPLE 1: o\_OeBit('12583') = '1'B.  EXAMPLE 2: o\_OeBit('87259957') ='0'B. |
| o\_OtherDigits | **Type of the result:** OCTETSTRING  **Parameters:**  p\_BCDdigits : HEXSTRING  **Description**  The input parameter ` p\_BCDdigits ` is a BCD string (subset of HEXSTRING), the result is an even string of BCD digits, with eventually a filler 'F'H used. \*/  The function of the o\_OtherDigits is as the follows:  1. If the number of the 'p\_BCDdigits' is odd, the operation removes the most significant digit, and then reverses the order of each pair of digits.  2. If the number of the 'p\_BCDdigits' is even, first the operation suffixes the `bcddigits` with 'F'H, then removes the most significant digit, and then reverses the order of each pair of digits.  EXAMPLE 1: o\_OtherDigi('12345') = '3254',  EXAMPLE 2: o\_OtherDigi('12345678') ='325476F8'.  See o\_FirstDigit for the handling of the first digit. |
| o\_RoutingParameterIMSIResponsePaging | **Type of the result**: RoutingParameter  **Parameters:**  p\_IMSI : HEXSTRING  **Description**  The input parameter p\_Imsi is a BCD string (subset of HEXSTRING), the result is of type RoutingParameter.  The tso returns the RoutingParameter, which consists of DecimalToBinary [(IMSI div 10) mod 1000]. The bits of the result are numbered from b0 to b9, with bit b0 being the least significant. |
| o\_SIB\_PER\_Encoding | **Type of the result:** BITSTRING  **Parameters:**  p\_SIB : SIB  **Description**  It returns the unaligned PER encoding (BIT STRING) of the input system information block p\_SIB (without "Encoder added (1-7) bits padding"). The bits corresponding to the encoding of the CHOICE of the SIB type shall be removed.  Example:  for the following SIBType1 value:  SysInfoType1 ::=  { cn-CommonGSM-MAP-NAS-SysInfo '32F4100001'H,  cn-DomainSysInfoList  { { cn-DomainIdentity ps-domain,  cn-Type gsm-MAP : '0000'H,  cn-DRX-CycleLengthCoeff 7},  {cn-DomainIdentity cs-domain,  cn-Type gsm-MAP : '0001'H,  cn-DRX-CycleLengthCoeff 7}},    ue-ConnTimersAndConstants  { t-304 ms100,  n-304 7,  t-308 ms40,  t-309 8,  t-313 15,  n-313 s200,  t-314 s20,  t-315 s1800,  n-315 s1000},  ue-IdleTimersAndConstants  { t-300 ms400,  n-300 7,  t-312 10,  n-312 s200},  nonCriticalExtensions { }  }  The operation returns BITSTRING:  "1000011001011110100000100000000000000000001011000100000000000000000100001000000000000000101000011001100000111110000011100111111111111111111100101111010011" |
| o\_SIB\_Segmentation | **Type of the result:** SegmentsOfSysInfoBlock  **Parameters:**  p\_SIBBitString : BITSTRING  **Description**  The function of the o\_SIB\_Segmentation is as following:  1. If the p\_SIBBitString is less than or equal to 226 bits, the bit string is fit into a complete segment. If the segment is less than 226 bits but more than 214 bits, the segment shall be padded to 226 bits long with padding bits set to '0'B.  2. If the input operand p\_SIBBitString is longer than 226 bits it is segmented from left to right into segments, each segment except the last one is 222 bits. The last segment may be 222 bits or shorter. If the length of last segment is greater than 214 bits pad it to 222 bits with padding bits set to '0'B.  3. The number of segments is assigned to recount field of the result.  4. The first segment is assigned to seg1 field of the result, the second segment is assigned to the seg2 field of the result, the third segment is assigned to the seg3 field of the result, and so on till the last segment. |
| o\_SIB\_SegmentationFirstSpecial | **Type of the result:** SegmentsOfSysInfoBlock  **Parameters:**  p\_SIB\_BitString : BITSTRING  p\_FirstSegLength : INTEGER  **Description**  The function of the o\_SIB\_Segmentation\_FirstShort is as following:  1. If the p\_SIB\_BitString is less than or equal to p\_FirstSegLength bits, the bit string is fit into one segment.  2. If the input operand p\_SIB\_BitString is longer than p\_FirstSegLength bits it is segmented from left to right into segments, each segment except the first one and the last one is 222 bits . The first one is p\_FirstSegLength long. The last segment may be 222 bits or shorter. If the length of last segment is greater than 214 bits pad it to 222 bits with padding bits set to '0'B.  3. The number of segments is assigned to segCount field of the result.  4. The first segment is assigned to seg1 field of the result, the second segment  is assigned to the seg2 field of the result, the third segment is assigned to the  seg3 field of the result, and so on till the last segment.  5. The value of parameter p\_FirstSegLength shall be less than 197. |
| o\_CheckPDUsAcknowledged | **Type of the result:** BOOLEAN  **Parameters:**  p\_NackList: NackList  Contains a list of integers (possibly empty), each of which corresponds to a PDU SN. Negative acknowledgement is expected for each of these PDUs.  p\_FSN: INTEGER  Contains an integer representing the first SN expected to be acknowledged.  p\_LSN: INTEGER  Contains an integer representing the last SN expected to be acknowledged.  p\_SUFI\_List: SuperFields  This parameter contains the received SUFI list to be checked.  **Description:**  This TSO is used to check that the given SUFI list contains any combination of SUFIs that fulfils the following requirements:  1. Negatively acknowledges all PDUs whose sequence numbers are in p\_NackList. Note that the list may be empty.  2. Positively acknowledges all other PDUs with sequence numbers greater than or equal to p\_FSN, and less than or equal to p\_LSN.  **Output:**  This TSO returns a BOOLEAN value of TRUE if the SUFI list meets all of the requirements based on the given parameters.  Otherwise the TSO returns FALSE. |

#### 8.7.1.1 Specific test suite operation for RLC defined in BasicM

This TSO is defined in BasicM, it is used by RLC and MAC ATSs.

Table 8.7.1.1.1: TSO definitions for RLC SUFI handling

|  |  |
| --- | --- |
| TSO Name | Description |
| o\_SUFI\_Handler | **Type of the result:** ResAndSUFIs  **Parameters:**  p\_SUFI\_Params: SUFI\_Params  p\_SUFI\_String: HEXSTRING  **Conditions**:  Inputs:  p\_SUFI\_Params: the list of checking criteria to be applied by the TSO  p\_SUFI\_String: the HEXSTRING received containing the SUFIs  Outputs:  the BOOLEAN result of the TSO:  TRUE if all checking and the filling of the SuperFields structure were successful;  FALSE otherwise; in this case the TSO shall produce sufficient output to allow problem analysis |

Table 8.7.1.1.2: ResAndSUFIs type and Processing of the SUFI parameters input to the TSO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Type | Setting | Meaning | Comment |
| Lower Bound | BITSTRING | OMIT | Do not use ! |  |
| (**LB)** | [12] | AnyOrOmit | Do not use ! |  |
| Upper Bound |  | Any | Do not use ! |  |
| (**UB)** |  | Value | Use ! |  |
| NackList | BITSTRING | OMIT | Do not use ! |  |
| Element i | [12] | AnyOrOmit | Do not use ! |  |
| (**Nacki)** |  | Any | Do not use ! |  |
|  |  | Value | Use ! | Check negative ack |
| Window Size | BOOLEAN | OMIT | Use ! | Check absence |
| SUFI presence |  | AnyOrOmit | Do not use ! |  |
| (**WSN\_** |  | Any | Use ! | Check presence |
| **presence)** |  | Value | Use ! | Check presence |
| MRW SUFI | BOOLEAN | OMIT | Use ! | Check absence |
| presence |  | AnyOrOmit | Do not use ! |  |
| (**MRW\_** |  | Any | Use ! | Check presence |
| **presence)** |  | Value | Use ! | Check presence |

##### 8.7.1.1.1 Pseudocode in a C like notation

The pseudocode defined below can be written in a more compact fashion. The code hereafter is to allow easy identification of the TSO's tasks. All situations leading to a FALSE result must produce a log. This is not shown in the code hereafter. Possible wrap arounds are not shown in this section. These have to be accounted for at the appropriate places.

/\* INITIALIZATION \*/

Initialize\_ResAndSUFIs(); /\* RESULT := TRUE, all SUFI fields are AnyOrOmit \*/

/\* EXTRACTION OF SUFIs AND TRANSFER INTO THE TTCN SUFI STRUCUTRE \*/

i = 0;

if (p\_SUFI\_String == NULL)

{

RESULT := FALSE; /\* No SUFIs -> Result is FALSE \*/

RETURN;

}

SUFI := Extract\_SUFI(i); /\* Let n SUFI be numbered from 0 to n-1 \*/

while (SUFI != NULL) /\* TRUE when there is a SUFI \*/

{

Set\_SUFI\_ListRec(SUFI); /\* Put the SUFI at the correct place in the resulting \*/

/\* SUFI structure; overwrite if the SUFI type has \*/

/\* already been extracted except LIST SUFIs which all are to be collected \*/

i++;

SUFI := Extract\_SUFI(i); /\* Get next SUFI \*/

}

/\* FOR ALL SUFI TYPES: IF EXISTING, PERFORM CONSISTENCY CHECK \*/

if Exists\_SUFI (ACK) AND NOT CheckConsistency (ACK)

RESULT := FALSE; /\* ACK SUFI inconsistent -> Result is FALSE \*/

.....

if Exists\_SUFI (WINDOW) AND NOT CheckConsistency (WINDOW)

RESULT := FALSE; /\* WINDOW SUFI inconsistent -> Result is FALSE \*/

/\* TAKE THE INDIVIDUAL CHECKING PARAMETERS & PERFORM THE EXPECTED CHECKING \*/

/\* PART 1: EXISTENCE CHECKS \*/

if ((WSN\_presence == Any) OR (WSN\_presence == TRUE) OR (WSN\_presence == FALSE)) AND NOT Exists\_SUFI(WINDOW)

RESULT := FALSE; /\* WINDOW not ex. but should -> Result is FALSE \*/

if ((MRW\_presence == Any) OR (MRW\_presence == TRUE) OR (MRW\_presence == FALSE)) AND NOT Exists\_SUFI(MRW)

RESULT := FALSE; /\* MRW not ex. but should -> Result is FALSE \*/

/\* PART 2: RANGE AND NACK CHECKS OF SUFI CONTENTS\*/

/\* ACK: LB <= LSN received <= UB \*/

if NOT (LB <= Extract\_SUFI\_Value(ACK) -1 AND Extract\_SUFI\_Value(ACK) -1 <= UB)

RESULT := FALSE; /\* ACK value not in the expected range \*/

/\* LB: first SN acceptable as LSN received \*/

/\* UB: last SN acceptable as LSN received \*/

/\* LSN received acks SNs upto LSN received -1 \*/

/\* Bitmap \*/

/\* for all SNs between LB and UB \*/

{

if (ExtractBitmap(FSN extracted, LENGTH extracted, Bitmap extracted, SN) == 1) AND (SN in NackList)

RESULT := FALSE; /\* if the bit in the Bitmap is not 0 \*/

if (ExtractBitmap(FSN extracted, LENGTH extracted, Bitmap extracted, SN) == 0) AND (SN NOT in NackList)

RESULT := FALSE; /\* if the bit in the Bitmap is not 0 \*/

}

/\* LIST \*/

/\* The (SNi,Li) pairs identify AMD PDUs which have not been correctly received. \*/

/\* Therefore the (SNi,Li) pairs have to be consistent with the NackList. \*/

/\* The (SNi,Li) pairs may be contained in multiple LIST SUFIs conveyed in one STATUS PDU \*/

/\* RLIST \*/

/\* The CWs represent the distance between the previous indicated erroneous AMD PDU \*/

/\* up to and including the next erroneous AMD PDU, starting from the FSN contained in the RLIST SUFI. \*/

/\* Therefore the FSN and the Codewords have to be consistent with the NackList. \*/

/\* Error burst indicator has to be treated as a separate case. May not have to be implemented currently. \*/

/\* MRW \*/

/\* LENGTH = 0 \*/

/\* 1 SN\_MRWi is present and the RLC SDU to be discarded extends above the configured transmission window in the sender \*/

/\* LENGTH = 1 ... 15 \*/

/\* 1 ...15 SN\_MRWi \*/

/\* a) MRW configured  an SN\_MRWi indicates the end of each discarded RLC SDU \*/

/\* n SN\_MRWs  n RLC SDUs discarded \*/

/\* b) MRW not configured  an SN\_MRWi indicates end of last RLC SDU to be discarded \*/

/\* in the receiver \*/

/\* To be implemented as far as required by the RLC ATS \*/

/\* MRW ACK \*/

/\* The SN\_ACK must be consistent with the information sent in a previous MRW SUFI upon which the \*/

/\* MRW\_ACK represents the answer. \*/

/\* NO MORE \*/

/\* no checking required \*/

/\* SUBFUNCTIONS USED\*/

Check\_Consistency (SUFI\_type) /\* returns TRUE when the type fulfils the \*/

/\* requirements of the spec. TS 25.322\*/

Exists\_SUFI (SUFI\_type) /\* returns TRUE when the specified \*/

/\* type has been extracted, therefore exists\*/

ExtractBitmap(FSN extracted, LENGTH extracted, Bitmap extracted, Criterion)

/\* Extract the value in the Bitmap at position Criterion \*/

/\* Calculation based on information received in the \*/

/\* Bitmap SUFI \*/

Extract\_SUFI (Counter) /\* returns the SUFI extracted at position counter \*/

/\* from the input p\_SUFI\_String; \*/

/\* n SUFIs from positions 0 to n-1 \*/

/\* returns NULL if there is no further SUFI \*/

Extract\_SUFI\_Value (SUFI\_type, field\_type ) /\* extract the value of specific field type \*/

/\* contained in a specific SUFI type \*/

/\* There will be several flavours depending upon the \*/

/\* result (field) type \*/

Initialize\_ResAndSUFIs () /\* Initialize RESULT and all SUFI fields \*/

Set\_SUFI\_ListRec(SUFI) /\* set return values RESULT and \*/

/\* SUFI structure SUFI\_ListRec \*/

### 8.7.2 Specific test suite operation definitions for Multi RAT Handover testing

Table 8.7.2: TSO definitions for Multi RAT handover

| TSO Name | Description |
| --- | --- |
| o\_HO\_PER\_Encoding | **Type of the result:** BITSTRING  **Parameters:**  p\_Msg : DL\_DCCH\_Message  **Description:**  It returns the unaligned PER encoding (BIT STRING) of the input downlink DCCH message p\_Msg (without "Encoder added (1-7) bits padding"). |
| o\_P\_CheckClassmark3 | **Type of the result:** BOOLEAN  **Parameters:**  p\_FromUE : MSCLSMK3;  p\_FDD, p\_TDD, p\_UTRAN384\_TDD, p\_CDMA2000, p\_EUTRA\_FDD: BOOLEAN  p\_EUTRA\_TDD, p\_P\_GSM\_900\_BAND, p\_E\_GSM\_900\_BAND: BOOLEAN  p\_R\_GSM\_900\_BAND, p\_DCS\_1800\_BAND, p\_PCS\_1900\_BAND: BOOLEAN  p\_GSM\_450\_BAND, p\_GSM\_480\_BAND, p\_GSM\_710\_BAND: BOOLEAN  p\_GSM\_750\_BAND, p\_T\_GSM\_810\_BAND, p\_GSM\_850\_BAND: BOOLEAN p\_Feat\_A54, p\_DTM\_SingleSlotAllocation, p\_EOTD\_Assist:BOOLEAN  p\_A\_GPS\_Assist, p\_A\_GPS\_Based, p\_Conv\_GPS : BOOLEAN  p\_EOTD\_Based, p\_GERANFeatPackage1, p\_GERANFeatPackage2: BOOLEAN  p\_GERANIuModeCapability : BOOLEAN  p\_FLOIuCapability, p\_DTMEnhancCap, p\_TAOffset : BOOLEAN  p\_8PSK\_Struct, p\_EGPRS\_8PSK\_uplink, p\_CipherModeSetCap: BOOLEAN  p\_AddPositionCap, p\_EUTRA\_MeasReporting: BOOLEAN  p\_PriorityBasedCellReselection: B1  p\_Selective\_Ciphering\_DL\_SACCH: BOOLEAN p\_UTRA\_CSG\_CellsReport : BOOLEAN  p\_G\_HSCSD, p\_ECSD\_MultislotClass: B5; p\_SMS\_Value, p\_SM\_Value : B4  p\_AssociatedRadioCap1, p\_AssociatedRadioCap2 : B4  p\_GSM400\_RadioCapability, p\_AssociatedRadioCapGSM750: B4  p\_AssociatedRadioCapGSM850, p\_AssociatedRadioCapGSM1900 : B4 p\_T400\_RadioCapability, p\_710\_RadioCapability, p\_T810\_RadioCapability: B4  p\_RGSM\_RadioCapability, p\_DTMGPRSHighMultiSlotClass : B3 p\_DTMEGPRSHighMultiSlotClass: B3  p\_DTMMultislotClass, p\_DTMEGPRSMultiSlotSubClass: B2  p\_ExtDTM\_MultiSlotClass, p\_ExtDTM\_EGPRS\_MultiSlotClass, p\_HighMultiSlotCap : B2  p\_8PSKRFPowerCap1, p\_8PSKRFPowerCap2, p\_GMSKPowerProfile : B2 p\_8PSKPowerProfile, p\_TGSM400Support : B2 p\_DLAdvRxPerformance : B2  p\_TIGHTERCap, p\_VAMOSLevel : B2  p\_ExtMeasCap, p\_UCS2Treatment, p\_RptACCHCap : B1  **Description:**  This is used when UE sends the MSCLSMK3 PDU in CLASSMARK CHANGE  To check each bit of the received octetstring from the UE against the CSN.1 format constraint.  Please Note: Due to the shared radio frequency channel numbers between DCS 1800 and PCS 1900, even if both p\_DCS\_1800\_BAND and p\_PCS\_1900\_BAND are set to TRUE, the UE can only ever indicate support for one of these bands.  The format of the Classmark3 IE is as follows:  <Classmark 3 Value part> ::=  < spare bit >  { < Multiband supported : { 000 } >  < A5 bits >  | < Multiband supported : { 101 | 110 } >  < A5 bits >  < Associated Radio Capability 2 : bit(4) >  < Associated Radio Capability 1 : bit(4) >  | < Multiband supported : { 001 | 010 | 100 } >  < A5 bits >  < spare bit >(4)  < Associated Radio Capability 1 : bit(4) > }  { 0 | 1 < R Support > }  { 0 | 1 < HSCSD Multi Slot Capability > }  < UCS2 treatment: bit >  < Extended Measurement Capability : bit >  { 0 | 1 < MS measurement capability > }  { 0 | 1 < MS Positioning Method Capability > }  { 0 | 1 < ECSD Multi Slot Capability > }  { 0 | 1 < 8-PSK Struct > }  { 0 | 1 < GSM 400 Bands Supported : { 01 | 10 | 11 } >  < GSM 400 Associated Radio Capability: bit(4) > }  { 0 | 1 <GSM 850 Associated Radio Capability : bit(4) > }  { 0 | 1 <GSM 1900 Associated Radio Capability : bit(4) > }  < UMTS FDD Radio Access Technology Capability : bit >  < UMTS 3.84 Mcps TDD Radio Access Technology Capability : bit >  < CDMA 2000 Radio Access Technology Capability : bit >  { 0 | 1 < DTM GPRS Multi Slot Class : bit(2) >  < Single Slot DTM : bit >  {0 | 1< DTM EGPRS Multi Slot Class : bit(2) > } }  { 0 | 1 < Single Band Support > } -- Release 4 starts here:  { 0 | 1 <GSM 750 Associated Radio Capability : bit(4)>}  < UMTS 1.28 Mcps TDD Radio Access Technology Capability : bit >  < GERAN Feature Package 1 : bit >  { 0 | 1 < Extended DTM GPRS Multi Slot Class : bit(2) >  < Extended DTM EGPRS Multi Slot Class : bit(2) > }  { 0 | 1 < High Multislot Capability : bit(2) > } --Release 5 starts here.  { 0 | 1 < GERAN Iu Mode Capabilities > }  < GERAN Feature Package 2 : bit >  < GMSK Multislot Power Profile : bit (2) >  < 8-PSK Multislot Power Profile : bit (2) >  { 0 | 1 < T-GSM 400 Bands Supported : { 01 | 10 | 11 } > *-- Release 6 starts here.*  < T-GSM 400 Associated Radio Capability: bit(4) > }  0 -- *The value '1' was allocated in an earlier version of the protocol and shall not be used.*  < Downlink Advanced Receiver Performance : bit (2)>  < DTM Enhancements Capability : bit >  { 0 | 1 < DTM GPRS High Multi Slot Class : bit(3) >  < Offset required : bit>  { 0 | 1 < DTM EGPRS High Multi Slot Class : bit(3) > } }  < Repeated ACCH Capability : bit >  { 0 | 1 <GSM 710 Associated Radio Capability : bit(4)>} -- *Release 7 starts here.*  { 0 | 1 <T-GSM 810 Associated Radio Capability : bit(4)>}  < Ciphering Mode Setting Capability : bit >  < Additional Positioning Capabilities : bit >  < E-UTRA FDD support : bit > *-- Release 8 starts here*  < E-UTRA TDD support : bit >  < E-UTRA Measurement and Reporting support : bit >  < Priority-based reselection support : bit >  < UTRA CSG Cells Reporting : bit > *-- Release 9 starts here*  < VAMOS Level : bit(2) >  < TIGHTER Capability : bit(2) > *-- Release 10 starts here*  < Selective Ciphering of Downlink SACCH : bit >  < spare bits > ;  < A5 bits > ::=  < A5/7 : bit > < A5/6 : bit > < A5/5 : bit > < A5/4 : bit >  ;  <R Support>::=  < R-GSM band Associated Radio Capability : bit(3) > ;  < HSCSD Multi Slot Capability > ::=  < HSCSD Multi Slot Class : bit(5) >  ;  < MS Measurement capability > ::=  < SMS\_VALUE : bit (4) >  < SM\_VALUE : bit (4) > ;  < MS Positioning Method Capability > ::=  < MS Positioning Method : bit(5) > ;  < ECSD Multi Slot Capability > ::=  < ECSD Multi Slot Class : bit(5) > ;  < 8-PSK Struct> : :=  < Modulation Capability : bit >  { 0 | 1 < 8-PSK RF Power Capability 1: bit(2) > }  { 0 | 1 < 8-PSK RF Power Capability 2: bit(2) > }  < Single Band Support > ::=  < GSM Band : bit (4) > ;  < GERAN Iu Mode Capabilities > ::=  < Length : bit (4) > -- *length in bits of Iu mode only capabilities and spare bits*  -- *Additions in release 6*  < FLO Iu Capability : bit >  <spare bits>\*\* ; -- *expands to the indicated length*  -- *may be used for future enhancements* |
| o\_PacketPagingGroupCalculate | **Type of the result:** INTEGER  **Parameters:**  IMSI : HEXSTRING  KC\_Conf : INTEGER  M : INTEGER  N : INTEGER  SplitPGCycle : B8  **Description:**  *It returns the calculated Packet Paging Group, according to:*  PAGING\_GROUP (0 ... M-1) = ( ( (IMSI mod 1000) div (KC\*N) ) \* N + (IMSI mod 1000) mod N + Max((m \* M) div SPLIT\_PG\_CYCLE, m)) mod M  for m = 0, ... , Min(M, SPLIT\_PG\_CYCLE) -1  where  KC = number of (P)CCCH in the cell = BS\_PCC\_CHANS for PCCCH or BS\_CC\_CHANS for CCCH  M = number of paging blocks "available" on one (P)CCCH =  (12 - BS\_PAG\_BLKS\_RES - BS\_PBCCH\_BLKS) \* 64 for PCCCH  (9 - BS\_AG\_BLKS\_RES) \* 64 for CCCH not combined  (3 - BS\_AG\_BLKS\_RES) \* 64 for CCCH + SDCCH combined  N=1 for PCCCH  (9 - BS\_AG\_BLKS\_RES)\*BS\_PA\_MFRMS for CCCH not combined  (3 - BS\_AG\_BLKS\_RES)\*BS\_PA\_MFRMS for CCCH/SDCCH combined  SPLIT\_PG\_CYCLE is an MS specific parameter negotiated at GPRS attach (see 3GPP TS 04.60)  IMSI = International Mobile Subscriber Identity, as defined in 3GPP TS 03.03. |
| o\_PagingGroupCalculate | **Type of the result:** INTEGER  **Parameters:**  p\_IMSI : HEXSTRING  p\_CCCH\_Conf : B\_3  p\_N : INTEGER  **Description:**  Calculate the PAGING\_GROUP (0 .. N?1) = ((IMSI mod 1000) mod (BS\_CC\_CHANS x N)) mod N  where :  N = number of paging blocks "available" on one CCCH = (number of paging blocks "available" in a 51-multiframe on one CCCH) x BS\_PA\_MFRMS.  IMSI = International Mobile Subscriber Identity, as defined in 3GPP TS 23.003 [6].  mod = Modulo.  div = Integer division. |
| o\_TTCN\_HO\_CommandToBitstring | **Type of the result:** BITSTRING  **Parameters:**  p\_PDU : PDU  **Description:**  The function of the o\_TTCN\_HOCommandToBitstring is as the follows:  - It returns the bitstring representation of the input HANDOVERCOMMAND p\_PDU. |
| o\_BitToOct | **Type of the result:** OCTETSTRING  **Parameters:**  p\_Str:BITSTRING  **Description:**  This TSO is used to convert the given BITSTRING into an OCTETSTRING. If the bitstring length is not a multiple of 8, 1 to 7 padding bits are added at the MSB to fill the final octet. |
| o\_KeyDerivationFunction\_HMAC\_SHA\_256 | **Type of the result:** B256  **Parameters:**  p\_Key: B256  p\_String: OCTETSTRING  **Description:**  This function is used to derive different keys used in authentication used as described in TS 33.102 [25] and TS 33.401 [67]. It is based on the function defined in TS 33.220 [68]. This TSO will always set the first parameter to the key derivation function as KDF = HMAC-SHA-256. |

### 8.7.3 Specific test suite operation for Multi RAB testing

Table 8.7.3.1: TSO definitions for Multi RAB testing

|  |  |
| --- | --- |
| TSO Name | Description |
| o\_SendContinuousData | **Type of the result:** BOOLEAN  **Parameters:**  p\_RAB\_Tx\_Info : RAB\_Tx\_Info  **Conditions**:  Inputs:  p\_RAB\_Tx\_Info: test data, number of RBs, and RB info of each RB (RB id, SDU size and number of SDUs to be transmitted in consecutive TTIs  **Outputs:**  The BOOLEAN result of the TSO:  TRUE if system simulator accepts the information sent from TTCN  FALSE if system simulator rejects the information sent from TTCN.  **Description**  When sending the data through the TSO, after the CMAC\_Restriction\_REQ, the TFC under test will be one corresponding the maximum CTFC value in the Restricted list, so that SS can select the number of Transport blocks and the size of Transport blocks on individual Transport channels derived from this CTFC.  Starting from the beginning of the raw data buffer given in the TSO:  Data to be sent on a particular RbId is the first (number of SDUs \* SDU\_Size) bits  All calls to TSO o\_sendContinuosData in a test will always specify the exact same set of RbIds. |

Table 8.7.3.2: RAB\_Tx\_Info type

|  |  |  |  |
| --- | --- | --- | --- |
| Structure Type Definition | | | |
| **Type Name:** RAB\_Tx\_Info | | | |
| **Encoding Variation:** | | | |
| **Comments:** To provide the information to SS to send data in every TTI on each RAB. Number of RBs depends on specific requirement. SS shall take care about all kind of discard info in all RLC modes and final aim is DL TFCs under test shall be selected in downlink for each TTI. | | | |
| Element name | Type Definition | Field Encoding | Comments |
| test data | BITSTRING |  | The raw test data buffer |
| no\_of\_rbs | INTEGER |  | No of Radio Bearers |
| rb\_tx\_info1 | RB\_Tx\_Info |  | Info about RB id, SDU size and number of SDUs |
| rb\_tx\_info2 | RB\_Tx\_Info |  | Info about RB id, SDU size and number of SDUs |
| rb\_tx\_info3 | RB\_Tx\_Info |  | Info about RB id, SDU size and number of SDUs |
| rb\_tx\_info4 | RB\_Tx\_Info |  | Info about RB id, SDU size and number of SDUs |
| rb\_tx\_info5 | RB\_Tx\_Info |  | Info about RB id, SDU size and number of SDUs |
| rb\_tx\_info6 | RB\_Tx\_Info |  | Info about RB id, SDU size and number of SDUs |

Table 8.7.3.3: RB\_Tx\_Info type

|  |  |  |  |
| --- | --- | --- | --- |
| Structure Type Definition | | | |
| **Type Name:** RB\_Tx\_Info | | | |
| **Encoding Variation:** | | | |
| **Comments:** | | | |
| Element name | Type Definition | Field Encoding | Comments |
| rb\_id | INTEGER |  |  |
| sdu\_size | INTEGER |  |  |
| no\_of\_sdus | INTEGER |  |  |

### 8.7.4 Specific test suite operation for InterSystem Handover testing

Table 8.7.4: TSO definitions for InterSystem testing

|  |  |
| --- | --- |
| TSO Name | Description |
| o\_LengthofPDU | **Type of the result:** O1  **Parameters:**  p\_Msg : PDU  **Description:**  The function of the o\_LengthofPDU is as the follows:  - it returns the no. of octets of the input downlink message p\_Msg |

### 8.7.5 Specific test suite operation for RAB\_HS testing

Table 8.7.5.1: TSO definitions for RAB\_HS testing

| TSO Name | Description |
| --- | --- |
| o\_CalculateTestPoint656 | **Type of the result:** HSDPA\_TestPoint  **Parameters**:  p\_PhyCat:HSDSCH\_physical\_layer\_category  p\_ModScheme:ModulationScheme  p\_NumOfPDU: INTEGER  **Description:**  TSO implements tables 14.1.3.4.1 for category 1 to 6, 14.1.3.4.2 for category 7 and 8, 14.1.3.4.3 for category 9, 14.1.3.4.4 for Category 10 and 14.1.3.4.5 for category 11 and 12.  It accepts UE category(1 to 12), Modulation scheme(qpsk or qam16) and number of MAC-D PDU's( 1 to 70) as input.  If a test point is not defined for this combination of input, then returns  flag = FALSE  noOfChannelisationCodes =0  tbSizeIndexOnHS\_SCCH =0  If a test point is defined for the combination of inputs, it returns,  flag = TRUE  noOfChannelisationCodes =value as per relevant table  tbSizeIndexOnHS\_SCCH =TFRI value as per relevant table    example:  if input is physical category =1,modScheme=qpsk,Num Of PDU's =5  TSO returns  flag = TRUE  noOfChannelisationCodes =5  tbSizeIndexOnHS\_SCCH =43  If input is category =1,modScheme=qpsk,Num Of PDU's =10  TSO returns  flag = FALSE  noOfChannelisationCodes =0  tbSizeIndexOnHS\_SCCH =0 |
| o\_CalculateTestPoint336 | **Type of the result:** HSDPA\_TestPoint  **Parameters**:  p\_PhyCat:HSDSCH\_physical\_layer\_category  p\_ModScheme:ModulationScheme  p\_NumOfPDU: INTEGER  **Description:**  TSO implements tables 14.1.3.3.1 for category 1 to 6, 14.1.3.3.2 for category 7 and 8, 14.1.3.3.3 for category 9, 14.1.3.3.4 for Category 10 and 14.1.3.3.5 for category 11 and 12.  It accepts UE category(1 to 12), Modulation scheme(qpsk or qam16) and number of MAC-D PDU's( 1 to 70) as input.  If a test point is not defined for this combination of input, then returns  flag = FALSE  noOfChannelisationCodes =0  tbSizeIndexOnHS\_SCCH =0  If a test point is defined for the combination of inputs, it returns,  flag = TRUE  noOfChannelisationCodes =value as per relevant table  tbSizeIndexOnHS\_SCCH =TFRI value as per relevant table    example:  if input is physical category =1,modScheme=qpsk,Num Of PDU's =10  TSO returns  flag = TRUE  noOfChannelisationCodes =5  tbSizeIndexOnHS\_SCCH =45  If input is category =1,modScheme=qpsk,Num Of PDU's =17  TSO returns  flag = FALSE  noOfChannelisationCodes =0  tbSizeIndexOnHS\_SCCH =0 |

Table 8.7.5.2: HSDPA\_TestPoint

|  |  |  |  |
| --- | --- | --- | --- |
| Structure Type Definition | | | |
| **Type Name:** HSDPA\_TestPoint | | | |
| **Encoding Variation:** | | | |
| **Comments:** To provide the information to SS to send data in every TTI on each RAB. Number of RBs depends on specific requirement. SS shall take care about all kind of discard info in all RLC modes and final aim is DL TFCs under test shall be selected in downlink for each TTI. | | | |
| Element name | Type Definition | Field Encoding | Comments |
| flag | BOOLEAN |  | TRUE if test point is applicable |
| noOfChannelisationCodes | INTEGER |  | Range 1 to 15  Valid value ifflag =TRUE |
| tbSizeIndexOnHS\_SCCH | INTEGER |  |  |

### 8.7.6 Specific test suite operation for Intersystem HS Testing

Table 8.7.6: TSO definitions for ISHO\_HS testing

|  |  |
| --- | --- |
| TSO Name | Description |
| o\_TTCN\_SysInfoToOctetString | **Type of the result:** OCTETSTRING  **Parameters:**  p\_Type: INTEGER  p\_PDU : PDU  **Description:**  The function of the o\_TTCN\_SysInfoToOctetString is as the follows:  - It returns the octetstring representation of the input System Information message p\_PDU.  - The parameter p\_Type details the type of SI message. Expected values: 1, 3 and 13. |

### 8.7.7 Specific test suite operation for A-GPS testing

Table 8.7.7: TSO definitions in A-GPS

| TSO Name | Description |
| --- | --- |
| o\_PositionEstimateToGeoInfo | **Type of the result:** Ext\_GeographicalInformation  **Parameters:**  p\_PosEst: PositionEstimate  **Description:**  Converts, according to TS 23.032, clause 7, the position estimate sent by the UE in a MEASUREMENT REPORT message from type Position Estimate to type Ext\_GeographicalInformation in order to be included in the FACILITY message sent by the SS in MO-LR UE-Based test cases.  The definition of the types is the following:  PositionEstimate::=  CHOICE  {  ellipsoidPoint EllipsoidPoint,  ellipsoidPointUncertCircle EllipsoidPointUncertCircle,  ellipsoidPointUncertEllipse EllipsoidPointUncertEllipse,  ellipsoidPointAltitude EllipsoidPointAltitude,  ellipsoidPointAltitudeEllipse EllipsoidPointAltitudeEllipsoide  }  with one of the following options being expected from the UE:  EllipsoidPointUncertCircle ::=  SEQUENCE  {  latitudeSign ENUMERATED {north(0), south(1)},  latitude INTEGER (0..8388607 ),  longitude INTEGER (-8388608..8388607 ),  uncertaintyCode INTEGER (0..127 )  }    or    EllipsoidPointUncertEllipse ::=  SEQUENCE  {  latitudeSign ENUMERATED {north(0), south(1)},  latitude INTEGER (0..8388607 ),  longitude INTEGER (-8388608..8388607 ),  uncertaintySemiMajor INTEGER (0..127 ),  uncertaintySemiMinor INTEGER (0..127 ),  orientationMajorAxis INTEGER (0..89 ),  confidence INTEGER (0..100 )  }    or    EllipsoidPointAltitudeEllipse ::=  SEQUENCE  {  latitudeSign ENUMERATED {north(0), south(1)},  latitude INTEGER (0..8388607 ),  longitude INTEGER (-8388608..8388607 ),  altitudeDirection ENUMERATED {height(0), depth(1)},  altitude INTEGER (0..32767 ),  uncertaintySemiMajor INTEGER (0..127 ),  uncertaintySemiMinor INTEGER (0..127 ),  orientationMajorAxis INTEGER (0..89 ),  uncertaintyAltitude INTEGER (0..127 ),  confidence INTEGER (0..100 )  }    The definition of the resulting type is:  Ext-GeographicalInformation ::= OCTET STRING (SIZE (1..maxExt-GeographicalInformation))  maxExt-GeographicalInformation INTEGER ::= 20  For example:  p\_PositionEstimate:=  ellipsoidPointUncertCircle   { latitudeSign   north,     latitude        123,     longitude       4567,    uncertaintyCode    8 }  o\_PositionEstimateToGeoInfo (p\_PositionEstimate) = '10 00 00 7B 00 11 D7 08'O |
| o\_IA5\_ToASN1Oct | **Type of the result:** NameString  **Parameters:**  p\_String: IA5String  **Description:**  Converts the string p\_String from IA5String type to NameString according to the Data Coding Scheme '0F'O.  This data coding scheme is the only one used in the AGPS ATS. It packs 7bit ASCII onto 8 bit octets.  Applicable ASN.1 definitions:  LCSClientName ::= SEQUENCE {  dataCodingScheme [0] IMPLICIT USSD-DataCodingScheme,  nameString [2] IMPLICIT NameString  }  -- The USSD-DataCodingScheme shall indicate use of the default alphabet through the  -- following encoding  -- bit 7 6 5 4 3 2 1 0  -- 0 0 0 0 1 1 1 1  NameString ::= USSD-String (SIZE (1..maxNameStringLength))  maxNameStringLength INTEGER ::= 63  USSD-DataCodingScheme ::= OCTET STRING (SIZE (1))  -- The structure of the USSD-DataCodingScheme is defined by  -- the Cell Broadcast Data Coding Scheme as described in  -- TS 3GPP TS 23.038 [25]  USSD-String ::= OCTET STRING (SIZE (1..maxUSSD-StringLength))  -- The structure of the contents of the USSD-String is dependent  -- on the USSD-DataCodingScheme as described in TS 3GPP TS 23.038 [25].  maxUSSD-StringLength INTEGER ::= 160  The ATS uses:  lcsClientName {  dataCodingScheme '0F'O,  -- The USSD-DataCodingScheme shall indicate use of the  -- default alphabet through the following encoding  -- bit 7 6 5 4 3 2 1 0  -- 0 0 0 0 1 1 1 1  For example:  o\_IA5\_ToASN1Oct ("ERICH") = '4569728804'O |
| o\_ISDN\_Address\_ToASN1Oct | **Type of the result:** ISDN\_AddressString  **Parameters:**  p\_TOA: B4  p\_NPI: B4  p\_String: IA5String  **Description:**  Converts p\_TOA plus p\_NPI, and string p\_String to ISDN\_AddressString.  TOA and NPI are mapped onto the first octet.  Each pair of characters of p\_String is considered a pair of numbers to be mapped onto 1 octet.  Each character of p\_String shall represent a digit (0..9).  In case the number of characters is odd, then a filler '1111'B is used to fill the last octet required to represent the digits. See 3G TS 24008, clause 10.5.4.7  Applicable ASN.1 definitions:  LCSClientExternalID ::= SEQUENCE {  externalAddress [0] IMPLICIT ISDN-AddressString OPTIONAL,  extensionContainer [1] IMPLICIT ExtensionContainer OPTIONAL  }  ISDN-AddressString ::= AddressString (SIZE (1..maxISDN-AddressLength))  -- This type is used to represent ISDN numbers.  maxISDN-AddressLength INTEGER ::= 9  AddressString ::= OCTET STRING (SIZE (1..maxAddressLength))  -- This type is used to represent a number for addressing  -- purposes. It is composed of  -- a) one octet for nature of address, and numbering plan  -- indicator.  -- b) digits of an address encoded as TBCD-String.  -- a) The first octet includes a one bit extension indicator, a  -- 3 bits nature of address indicator and a 4 bits numbering  -- plan indicator, encoded as follows:  -- bit 8: 1 (no extension)  -- bits 765: nature of address indicator  -- 000 unknown  -- 001 international number  -- 010 national significant number  -- 011 network specific number  -- 100 subscriber number  -- 101 reserved  -- 110 abbreviated number  -- 111 reserved for extension  -- bits 4321: numbering plan indicator  -- 0000 unknown  -- 0001 ISDN/Telephony Numbering Plan (Rec ITU-T E.164)  -- 0010 spare  -- 0011 data numbering plan (ITU-T Rec X.121)  -- 0100 telex numbering plan (ITU-T Rec F.69)  -- 0101 spare  -- 0110 land mobile numbering plan (ITU-T Rec E.212)  -- 0111 spare  -- 1000 national numbering plan  -- 1001 private numbering plan  -- 1111 reserved for extension  -- all other values are reserved.  -- b) The following octets representing digits of an address  -- encoded as a TBCD-STRING.  maxAddressLength INTEGER ::= 20  For example:  o\_ISDN\_Address\_ToASN1Oct ('0011','0011',"0123456") = '33103254F6'O |
| o\_LengthofComponents | **Type of the result:** OCTETSTRING  **Parameters:**  p\_Components: Components  **Description:**  The functionality of the o\_LengthofComponents is as below:  It returns the length (no. of octets) of the input constraint p\_Components |

### 8.7.8 Specific test suite operation for E-DCH Testing

Table 8.7.8: TSO definitions in E-DCH

| TSO Name | Description |
| --- | --- |
| o\_CalculateE\_DCH\_TBSize | **Type of the result:** INTEGER  **Parameters:**  p\_tti: E\_DCH\_TTI  p\_TableInd: E\_TFCI\_TableIndex  p\_TB\_Index: INTEGER  **Description:**  TSO implements tables defined in 25.321 Annex B.1 (tti 2ms Index 0), Annex B.2 (tti 2ms Index 1), Annex B.3 (tti 10ms Index 0), Annex B.4 (tti 10ms Index 1).  It accepts 3 input parameters:  p\_TTI: the TTI of E-DCH (2ms or 10ms)  P\_TableInd: the table index (0 or 1)  p\_TB\_Index: the TB index in the table (0..127 for tti 2ms Index 0), (0..125 tti 2ms Index 1), (0..127 tti 10ms Index 0), (0..120 tti 10ms Index 1)  The TSO then returns the corresponding TB Size from the appropriate Table and with given table index.  The value returned is '0' for any erroneous conditions (e.g. p\_TB\_Index out of range).  Example:  p\_tti:2ms, p\_TableInd:0, p\_TB\_Index:13 produces the result 185 |

### 8.7.9 Specific test suite operation for E-DCH/HS-ENH and MBMS testing

Table 8.7.9: TSO definitions in E-DCH/HS-ENH and MBMS

| TSO Name | Description |
| --- | --- |
| o\_CalculateE\_DCH\_TBSize\_UL16QAM | **Type of the result:** INTEGER  **Parameters:**  p\_TableInd: E\_TFCI\_TableIndex  p\_TB\_Index: INTEGER  **Description:**  TSO implements tables defined in 3GPP TS 25.321 [17], clauses B.2a (tti 2ms Index 0) and B.2b (tti 2ms Index 1).  It accepts 2 inputs:  p\_TableInd: the table index (0 or 1)  p\_TB\_Index: the TB index in the table ( 0..127 for tti 2ms Index 0), (0..124 tti 2ms Index 1)  The TSO then returns the corresponding TB Size from the appropriate Table and with given table index.  The value returned is '0' for any erroneous conditions (eg. p\_TB\_Index out of range).  Example:  p\_TableInd: 0, p\_TB\_Index: 13 produces result 197 |
| o\_CalculateTBSize\_MAC\_ehs\_OctetAligned | **Type of the result:** INTEGER  **Parameters:**  p\_Kt : INTEGER  **Description:**  The TSO calculates the value of TB size L(p\_Kt) as given in 3GPP TS 25.321 [17], clause 9.2.3.1, Table 9.2.3.2.  Kt valid range is from 1 to 295(both included)  If p\_Kt < 40  L(p\_Kt)= (14+p\_Kt) \* 8  else  L(p\_Kt) = (Floor( Lmin \* (P \*\* p\_Kt))\*8)  Lmin = 27  P= [5274/27]\*\*[1/295]  end    Where  \* represents multiplication  \*\* represents power |
| o\_CalculateTBSize\_MAC\_ehs\_BitAligned | **Type of the result:** INTEGER  **Parameters:**  p\_Kt : INTEGER  **Description:**  The TSO calculates the value of TB size L(p\_Kt) as given in 3GPP TS 25.321 [17], clause 9.2.3.1, Table 9.2.3.1.  Kt valid range is from 1 to 295(both included)  If *kt* < 40  L(p\_Kt) = 125+ 12\*p\_Kt  else  L(p\_Kt) = (Floor(Lmin\*(P \*\* p\_Kt)))  P=2085/2048  Lmin = 296  end    Where  \* represents multiplication  \*\* represents power |
| o\_CalculateTestPoint336\_MAC\_ehs | **Type of the result:** HSDPA\_TestPoint  **Parameters:**  p\_PhyCat: HSDSCH\_physical\_layer\_category\_ext;  p\_ModScheme: ModulationScheme;  p\_NumOfPDU: INTEGER  **Description:**  TSO implements tables 14.1.3.4b.1.1 for QPSK, 14.1.3.4b.1.2 for 16QAM and 14.1.3.4b.1.3 for 64QAM.  It accepts as input:  - UE category (1 to 20),  - Modulation scheme (qpsk, qam16 or qam64) and  - Number of MAC-d PDU's (1 to 26)  If a test point is not defined for this combination of input, then returns  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  If a test point is defined for the combination of inputs, it returns,  flag = TRUE  noOfChannelisatonCodes =value as per relevant table  tbSizeIndexOnHS\_SCCH =TFRI value as per relevant table  Example:  If input is:  - physical category = 13,  - modScheme = qpsk,  - Num Of PDU's = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =11  tbSizeIndexOnHS\_SCCH =4  If input is:  - physical category = 13,  - modScheme = qpsk,  - Num Of PDU's = 50  TSO returns:  flag = FALSE  noOfChannelisatonCodes = 0  tbSizeIndexOnHS\_SCCH = 0 |
| o\_CalculateTestPoint64QM | **Type of the result:** MIMO\_TestPoint  **Parameters**:  p\_ModScheme:ModulationScheme  p\_Index: INTEGER  **Description:**  TSO implements tables 14.1.3.4b.2.5 (for 64QAM and QPSK) and 14.1.3.4b.2.6 (for 64QAM and 16QAM).  It accepts as input:  - Modulation scheme (qam64, qam16 or qpsk) and  - Test Point Index  If a test point is not defined for this combination of input, then returns  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  noOfMAC-dPDUs = 0  If a test point is defined for the combination of inputs, it returns,  flag = TRUE  noOfChannelisatonCodes =value as per relevant table  tbSizeIndexOnHS\_SCCH =TFRI value as per relevant table  noOfMAC-dPDUs = value as per relevant table (0 in the case of index 34 and 35)  Examples:  If input is:  - modScheme = qam64,  - Index = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =5  tbSizeIndexOnHS\_SCCH =9  noOfMAC-dPDUs = 8  If input is:  - modScheme = qpsk,  - Index = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =5  tbSizeIndexOnHS\_SCCH =55  noOfMAC-dPDUs = 6  If input is:  - modScheme = qam16,  - Index = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =5  tbSizeIndexOnHS\_SCCH =55  noOfMAC-dPDUs = 11  If input is:  - modScheme = qam16,  - Index = 36  TSO returns:  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  noOfMAC-dPDUs = 0 |
| o\_CalculateTestPoint656\_MAC\_ehs | **Type of the result:** HSDPA\_TestPoint  **Parameters:**  p\_PhyCat: HSDSCH\_physical\_layer\_category\_ext;  p\_ModScheme: ModulationScheme;  p\_NumOfPDU: INTEGER  **Description:**  TSO implements tables 14.1.3.4b.2.1 for QPSK, 14.1.3.4b.2.2 for 16QAM and 14.1.3.4b.2.3 for 64QAM.  It accepts as input:  - UE category (1 to 20),  - Modulation scheme (qpsk, qam16 or qam64) and  - Number of MAC-d PDU's (1 to 64) when flexible MAC-d PDU size is configured, this parameter is only used to index the test points.  - Number of MAC-d PDU's (1 to 26) when fixed MAC-d PDU is configured  If a test point is not defined for this combination of input, then returns  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  If a test point is defined for the combination of inputs, it returns,  flag = TRUE  noOfChannelisatonCodes =value as per relevant table  tbSizeIndexOnHS\_SCCH =TFRI value as per relevant table  Example:  If input is:  - physical category = 13,  - modScheme = qpsk,  - Num Of PDU's = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =15  tbSizeIndexOnHS\_SCCH =22  If input is:  - physical category = 13,  - modScheme = qpsk,  - Num Of PDU's = 50  TSO returns:  flag = FALSE  noOfChannelisatonCodes = 0  tbSizeIndexOnHS\_SCCH = 0 |
| o\_CalculateTestPoint\_TwoFlows | **Type of the result:** TwoFlows\_TestPoint  **Parameters:**  p\_ModScheme: ModulationScheme  p\_Index: INTEGER  **Description:**  TSO implements table 14.1.3.4b.2.4 for QPSK and 16QAM modulations.  It accepts as input:  - Modulation scheme (qam16 or qpsk) and  - Test Point Index  If a test point is not defined for this combination of input, then returns  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  noOfMAC-dPDUs = 0  If a test point is defined for the combination of inputs, it returns,  flag = TRUE  noOfChannelisatonCodes =value as per relevant table  tbSizeIndexOnHS\_SCCH =TFRI value as per relevant table  noOfMAC-dPDUs = value as per relevant table (0 in the case of index 34 and 35)  Examples:  If input is:  - modScheme = qpsk,  - Index = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =5  tbSizeIndexOnHS\_SCCH =55  noOfMAC-dPDUs = 6  If input is:  - modScheme = qam16,  - Index = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =5  tbSizeIndexOnHS\_SCCH =50  noOfMAC-dPDUs = 11  If input is:  - modScheme = qam16,  - Index = 36  TSO returns:  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  noOfMAC-dPDUs = 0 |
| o\_CalculateTestPoint\_TwoFlows64QAM | **Type of the result:** TwoFlows\_TestPoint  **Parameters:**  p\_ModScheme: ModulationScheme  p\_Index: INTEGER  **Description:**  TSO implements tables 14.1.3.4b.2.5 (for 64QAM and QPSK) and 14.1.3.4b.2.6 (for 64QAM and 16QAM).  It accepts as input:  - Modulation scheme (qam64, qam16 or qpsk) and  - Test Point Index  If a test point is not defined for this combination of input, then returns  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  noOfMAC-dPDUs = 0  If a test point is defined for the combination of inputs, it returns,  flag = TRUE  noOfChannelisatonCodes =value as per relevant table  tbSizeIndexOnHS\_SCCH =TFRI value as per relevant table  noOfMAC-dPDUs = value as per relevant table (0 in the case of index 34 and 35)  Examples:  If input is:  - modScheme = qam64,  - Index = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =5  tbSizeIndexOnHS\_SCCH =9  noOfMAC-dPDUs = 8  If input is:  - modScheme = qpsk,  - Index = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =5  tbSizeIndexOnHS\_SCCH =55  noOfMAC-dPDUs = 6  If input is:  - modScheme = qam16,  - Index = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =5  tbSizeIndexOnHS\_SCCH =55  noOfMAC-dPDUs = 11  If input is:  - modScheme = qam16,  - Index = 36  TSO returns:  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  noOfMAC-dPDUs = 0 |
| o\_CalculateTestPoint656\_MAC\_ehs\_DC | **Type of the result:** HSDPA\_TestPoint  **Parameters:**  p\_PhyCat: HSDSCH\_physical\_layer\_category\_ext2;  p\_ModScheme: ModulationScheme;  p\_NumOfPDU: INTEGER  **Description:**  TSO implements tables 14.1.3.4b.2.1 for QPSK, 14.1.3.4b.2.2 for 16QAM and 14.1.3.4b.2.3 for 64QAM.    It accepts as input:  - UE category (21 to 24),  - Modulation scheme (qpsk, qam16 or qam64) and  - Number of MAC-d PDU's (1 to 64) when flexible MAC-d PDU size is configured, this parameter is only used to index the test points.  - Number of MAC-d PDU's (1 to 26) when fixed MAC-d PDU is configured.    If a test point is not defined for this combination of input, then returns  flag = FALSE  noOfChannelisatonCodes =0  tbSizeIndexOnHS\_SCCH =0  If a test point is defined for the combination of inputs, it returns,  flag = TRUE  noOfChannelisatonCodes =value as per relevant table  tbSizeIndexOnHS\_SCCH =TFRI value as per relevant table    Example:  If input is:  - physical category = 21,  - modScheme = qpsk,  - Num Of PDU's = 10  TSO returns:  flag = TRUE  noOfChannelisatonCodes =15  tbSizeIndexOnHS\_SCCH =22    If input is:  - physical category = 21,  - modScheme = qpsk,  - Num Of PDU's = 50  TSO returns:  flag = FALSE  noOfChannelisatonCodes = 0  tbSizeIndexOnHS\_SCCH = 0 |

### 8.7.10 Specific test suite operation for CMAS testing

Table 8.7.9: TSO definitions for CMAS testing

| TSO Name | Description |
| --- | --- |
| o\_IA5\_BMC\_ToOct\_CMAS | **Type of the result:** INTEGER  **Parameters:**  p\_String: IA5String\_BMC  p\_DCS: TP\_DataCodingScheme  **Description:**  o\_IA5\_BMC\_ToOct converts the string p\_String from IA5String\_BMC type to OCTETSTRING.  p\_DCS determines how this is done (refer to 3GPP TS 23.038 clause 5).  If a 7 bit packing is to be applied then proceed as described in 3GPP TS 23.038 clause 6.1.2.2.1 and clause 6.2.1. This is the default case.  If 8bit data is to be used then proceed as described in 3GPP TS 23.038 clause 6.2.2.  If UCS2is to be used then proceed as described in 3GPP TS 23.038 clause 6.2.3.  The type IA5\_BMC implies that the length of p\_String is restricted to 1..1395 octets.  (Refer to 3GPP TS 23.041, 3GPP TS 23.038, 3GPP TS 25.324)  This TSO will always generate a BMC encoded message of 1 page of information. If the input message stream (p\_String) is less than the size of required octet, then the input message will be concatenated to generate a string of required length based on p\_DCS. |

## 8.8 AT commands

Table 8.8 shows a list of AT commands. By using these commands the ATSs communicate with the SS for an automatic execution. The column "ATS" indicates in which ATS the command is used.

Table 8.8: AT commands used in 3GPP TTCN-2 ATSs

|  |  |  |
| --- | --- | --- |
| Command | Reference | ATS |
| +CGACT | 3GPP TS 27.007 [23] | BMC, MAC, NAS, RAB, RLC, RRC, PDCP, SMS |
| +CGATT | 3GPP TS 27.007 [23] | BMC, MAC, NAS, RAB, RLC, RRC, PDCP, SMS |
| +CGCMOD | 3GPP TS 27.007 [23] | NAS |
| +CGDCONT (Note) | 3GPP TS 27.007 [23] | BMC, MAC, NAS, RAB, RLC, RRC, PDCP, SMS |
| +CGDSCONT | 3GPP TS 27.007 [23] | NAS |
| +CGEQREQ | 3GPP TS 27.007 [23] | BMC, MAC, NAS, RAB, RLC, RRC, PDCP, SMS |
| +CLCC | 3GPP TS 27.007 [23] | NAS |
| H | 3GPP TS 27.007 [23] | NAS, RAB, RRC, SMS |
| +CBST | 3GPP TS 27.007 [23] | NAS, RAB, RRC, SMS |
| +CMOD | 3GPP TS 27.007 [23] | NAS, RAB, RRC, SMS |
| A | 3GPP TS 27.007 [23] | NAS, RAB, RRC, SMS |
| D | 3GPP TS 27.007 [23] | BMC, MAC, NAS, RAB, RLC, RRC, PDCP, SMS |
| + CMGD | 3GPP TS 27.005 [22] | SMS |
| + CMGF | 3GPP TS 27.005 [22] | SMS |
| +CMGW | 3GPP TS 27.005 [22] | SMS |
| +CMSS | 3GPP TS 27.005 [22] | NAS, RAB, RRC, SMS |
| +CPMS | 3GPP TS 27.005 [22] | SMS |
| +CSCA | 3GPP TS 27.005 [22] | SMS |
| +CSCS | 3GPP TS 27.005 [22] | SMS |
| +CSMS | 3GPP TS 27.005 [22] | SMS |
| +CVHU | 3GPP TS 27.005 [22] | NAS, RAB, RRC, SMS, IR\_U, IR\_G |
| +CHUP | 3GPP TS 27.005 [22] | NAS, RAB, RRC, SMS, IR\_U, IR\_G |
| +CECALL | 3GPP TS 27.007 [23] | HSPA8\_ENH |
| Note: The PDP Type in +CGDCONT is per default set to “IP” (IPv4).It can be changed to IPv6 in the specific TCs, for example, for SM NISPC in Rel-7. The setting IPv6 address will require IPv6 handling on the established RAB. | | |

### 8.8.1 AT command lists in TTCN-2 ATSs

#### 8.8.1.1 AT commands in IR\_U ATS:

| Command | Syntax in TTCN | Comments |
| --- | --- | --- |
| CBST | AT+CBST=[<speed>[,<name>[,<ce>]]]<CR>  <speed>=0,7,12,14,15,16,17,39,43,47,48,49,50,51,71,75,79,80,81,82,83,84,115,116,120,121  <name>=0,1,4,5  <ce>=0,1 | Select bearer service type, 3GPP TS 27.007 [23], clause 6.7 |
| CGACT | AT+CGACT=1,1<CR>  AT+CGACT=0,1<CR> | PDP context activate or deactivate, 3GPP TS 27.007 [23], clause 10.1.10 |
| CGATT | AT+CGATT=1<CR> | PS attach or detach, 3GPP TS 27.007 [23], clause 10.1.9 |
| CGDSCONT | AT+CGDSCONT= 1,<CR>  AT+ CGDSCONT=1 , 1, "IP", 0,0,<CR> | Establish secondary PDP Context, 3GPP TS 27.007 [23], clause 10.1.2 |
| CGEQREQ | AT+CGEQREQ=1,2,64,64,,,0,320,"1E4","1E5",1,,3<CR>  AT+CGEQREQ=1,3,64,64,,,0,320,"1E4","1E5",1,,<CR> | Quality of Service Profile (Requested), 3GPP TS 27.007 [23], clause 10.1.4 |
| CHUP | AT+CHUP<CR> | Hang up call, 3GPP TS 27.007 [23], 3GPP TS 27.007 [23], clause 6.5 |
| CMGD | AT+CMGD=001<CR>  AT+CMGD=1,4<CR> | Delete Message, 3GPP TS 27.005 [22], clause 3.5.4 |
| CMGF | AT+CMGF=1<CR> | Message Format, 3GPP TS 27.005 [22], clause 3.2.3 |
| CMOD | AT+CMOD=0<CR>  AT+CMOD=1<CR> | Call mode, 3GPP TS 27.007 [23], clause 6.4 |
| CMSS | AT+CMSS=000<CR>  AT+CMSS=001<CR>  AT+CMSS=002<CR> | Send Message from Storage, 3GPP TS 27.005 [22], clause 3.5.2 |
| CPMS | AT+CPMS="SM,"SM","MT"<CR>  AT+CPMS="CB","CB","CB"<CR> | Preferred Message Storage, 3GPP TS 27.005 [22], clause 3.2.2 |
| CSCS | AT+CSCS="GSM"<CR> | Select TE character set, 3GPP TS 27.007 [23], clause 5.5 |
| CSMS | AT+CSMS=0<CR> | Select Message Service, 3GPP TS 27.005 [22], clause 3.2.1 |
| CVHU | AT+CVHU=0<CR> | Voice Hang up control, 3GPP TS 27.007 [23], clause 6.20 |

#### 8.8.1.2 AT commands in MAC and RLC ATS:

| Command | Syntax in TTCN | Comments |
| --- | --- | --- |
| CGATT | AT+CGATT=1<CR> | PS attach or detach, 3GPP TS 27.007 [23], clause 10.1.9 |

#### 8.8.1.3 AT commands in NAS ATS:

| Command | Syntax in TTCN | Comments |
| --- | --- | --- |
| CBST | AT+CBST=[<speed>[,<name>[,<ce>]]]<CR>  <speed>=0,7,12,14,15,16,17,39,43,47,48,49,50,51,71,75,79,80,81,82,83,84,115,116,120,121  <name>=0,1,4,5  <ce>=0,1 | Select bearer service type, 3GPP TS 27.007 [23], clause 6.7 |
| CGACT | AT+CGACT=1,1<CR>  AT+CGACT=0,1<CR> | PDP context activate or deactivate, 3GPP TS 27.007 [23], clause 10.1.10 |
| CGATT | AT+CGATT=1<CR>  AT+CGATT=0<CR> | PS attach or detach, 3GPP TS 27.007 [23], clause 10.1.9 |
| CGDATA | AT+CGDATA=PPP,1<CR> | Enter data state, 3GPP TS 27.007 [23], clause 10.1.12 |
| CGDCONT | AT+CGDCONT=1,"IP","ABCDEF","200.1.1.80",0,0<CR>  AT+CGDCONT=1,"IP","GHIJK","200.1.1.90",0,0<CR> | Define PDP Context, 3GPP TS 27.007 [23], clause 10.1.1 |
| CGDSCONT | AT+CGDSCONT= 1,<CR>  AT+ CGDSCONT=1 , 1, "IP", 0,0,<CR> | Establish secondary PDP Context, 3GPP TS 27.007 [23], clause 10.1.2 |
| CGEQMIN | AT+CGEQMIN=1,3,32,32,,,1,320,"1E3","4E3",1,,<CR>  AT+CGEQMIN=1,3,64,64,,,1,320,"1E3","4E3",1,,<CR>  AT+CGEQMIN=1,2,32, 32, 32, 32, 1, 320, 1E4,6E8,1,,,<CR>  AT+CGEQMIN=1,3,32, 32, 32, 32, 1, 320, 1E4,6E8,1,,,<CR>  AT+CGEQMIN=1,2,32, 32, 32, 32, 1, 320, 1E3,6E8,1,,,<CR>  AT+CGEQMIN=1,3,32, 32, 32, 32, 1, 320, 1E3,6E8,1,,,<CR>  AT+CGEQMIN=1,2,64, 64, 64, 64, 1, 320, 1E3,6E8,1,,,<CR>  AT+CGEQMIN=1,3,64, 64, 64, 64, 1, 320, 1E3,6E8,1,,,<CR> | Quality of Service Profile (Minimum acceptable), 3GPP TS 27.007 [23], clause 10.1.4 |
| CGEQREQ | AT+CGEQREQ=1,2,64,64,,,0,320,"1E4","1E5",1,,3<CR>  AT+CGEQREQ=1,3,64,64,,,0,320,"1E4","1E5",1,,<CR>  AT+CGEQREQ=1,2,64, 64, 64, 64, 0, 320, 1E4,6E8,1,,,<CR>  AT+CGEQREQ=1,3,64, 64, 64, 64, 0, 320, 1E4,6E8,1,,,<CR> | Quality of Service Profile (Requested), 3GPP TS 27.007 [23], clause 10.1.4 |
| CHUP | AT+CHUP<CR> | Hang up call, 3GPP TS 27.007 [23], clause 6.5 |
| CLCC | AT+CLCC<CR> | List current calls, 3GPP TS 27.007 [23], clause 7.18 |
| CMOD | AT+CMOD=0<CR>  AT+CMOD=1<CR> | Call mode, 3GPP TS 27.007 [23], clause 6.4 |
| CMSS | AT+CMSS=000<CR>  AT+CMSS=001<CR>  AT+CMSS=002<CR> | Send Message from Storage, 3GPP TS 27.005 [22], clause 3.5.2 |
| VTS | AT+VTS=0,100<CR>  AT+VTS=1,50<CR>  AT+VTS=2,60<CR>  AT+VTS=3,40<CR>  AT+VTS=4,50<CR>  AT+VTS=5,60<CR>  AT+VTS=6,70<CR>  AT+VTS=7,80<CR>  AT+VTS=8,90<CR>  AT+VTS=9,100<CR>  AT+VTS=#,110<CR>  AT+VTS=\\*,120<CR>  AT+VTS=A,130<CR>  AT+VTS=B,140<CR>  AT+VTS=C,150<CR>  AT+VTS=D,200<CR> | DTMF and tone generation, 3GPP TS 27.007 [23], clause C.2.11 |
| CVHU | AT+CVHU=0<CR> | Voice Hang up control, 3GPP TS 27.007 [23], clause 6.20 |

#### 8.8.1.4 AT commands in RAB ATS:

| Command | Syntax in TTCN | Comments |
| --- | --- | --- |
| CBST | AT+CBST=[<speed>[,<name>[,<ce>]]]<CR>  <speed>=0,7,12,14,15,16,17,39,43,47,48,49,50,51,71,75,79,80,81,82,83,84,115,116,120,121  <name>=0,1,4,5  <ce>=0,1 | Select bearer service type, 3GPP TS 27.007 [23], clause 6.7 |
| CGACT | AT+CGACT=1,1<CR>  AT+CGACT=0,1<CR> | PDP context activate or deactivate, 3GPP TS 27.007 [23], clause 10.1.10 |
| CGATT | AT+CGATT=1<CR> | PS attach or detach, 3GPP TS 27.007 [23], clause 10.1.9 |
| CGDCONT | AT+CGDCONT=1,"IP","ABCDEF","200.1.1.80",0,0<CR>  AT+CGDCONT=1,"IP","GHIJK","200.1.1.90",0,0<CR> | Define PDP Context, 3GPP TS 27.007 [23], clause 10.1.1 |
| CGDSCONT | AT+CGDSCONT= 1,<CR>  AT+ CGDSCONT=1 , 1, "IP", 0,0,<CR> | Establish secondary PDP Context, 3GPP TS 27.007 [23], clause 10.1.2 |
| CGEQREQ | AT+CGEQREQ=1,2,64,64,,,0,320,"1E4","1E5",1,,3<CR>  AT+CGEQREQ=1,3,64,64,,,0,320,"1E4","1E5",1,,<CR> | Quality of Service Profile (Requested), 3GPP TS 27.007 [23], clause 10.1.4 |
| CHUP | AT+CHUP<CR> | Hang up call, 3GPP TS 27.007 [23] clause 6.5 |
| CMGD | AT+CMGD=001<CR>  AT+CMGD=1,4<CR> | Delete Message, 3GPP TS 27.005 [22], clause 3.5.4 |
| CMGF | AT+CMGF=1<CR> | Message Format, 3GPP TS 27.005 [22], clause 3.2.3 |
| CMOD | AT+CMOD=0<CR>  AT+CMOD=1<CR> | Call mode, 3GPP TS 27.007 [23], clause 6.4 |
| CMSS | AT+CMSS=000<CR>  AT+CMSS=001<CR>  AT+CMSS=002<CR> | Send Message from Storage, 3GPP TS 27.005 [22], clause 3.5.2 |
| CPMS | AT+CPMS="SM,"SM","MT"<CR>  AT+CPMS="CB","CB","CB"<CR> | Preferred Message Storage, 3GPP TS 27.005 [22], clause 3.2.2 |
| CSCS | AT+CSCS="GSM"<CR> | Select TE character set, 3GPP TS 27.007 [23], clause 5.5 |
| CSMS | AT+CSMS=0<CR> | Select Message Service, 3GPP TS 27.005 [22], clause 3.2.1 |
| CVHU | AT+CVHU=0<CR> | Voice Hang up control, 3GPP TS 27.007 [23], clause 6.20 |

#### 8.8.1.5 AT commands in RRC ATS:

| Command | Syntax in TTCN | Comments |
| --- | --- | --- |
| ATA | ATA<CR> | Answer a call, 3GPP TS 27.007 [23], clause 6.35 |
| ATD | ATD0123456902;<CR>  ATD112;<CR>  ATD0123456902<CR> | Originates a call,  TS 27.007 clause 6.31 |
| ATH | ATH<CR> | Hang-up a single mode call, 3GPP TS 27.007 [23], clause 6.36 |
| CBST | AT+CBST=[<speed>[,<name>[,<ce>]]]<CR>  <speed>=0,7,12,14,15,16,17,39,43,47,48,49,50,51,71,75,79,80,81,82,83,84,115,116,120,121  <name>=0,1,4,5  <ce>=0,1 | Select bearer service type, 3GPP TS 27.007 [23], clause 6.7 |
| CGACT | AT+CGACT=1,1<CR>  AT+CGACT=0,1<CR> | PDP context activate or deactivate, 3GPP TS 27.007 [23], clause 10.1.10 |
| CGATT | AT+CGATT=1<CR> | PS attach or detach, 3GPP TS 27.007 [23], clause 10.1.9 |
| CGDCONT | AT+CGDCONT=1,"IP","ABCDEF","200.1.1.80",0,0<CR>  AT+CGDCONT=1,"IP","GHIJK","200.1.1.90",0,0<CR> | Define PDP Context, 3GPP TS 27.007 [23], clause 10.1.1 |
| CGDSCONT | AT+CGDSCONT= 1,<CR>  AT+ CGDSCONT=1 , 1, "IP", 0,0,<CR> | Establish secondary PDP Context, 3GPP TS 27.007 [23], clause 10.1.2 |
| CGEQREQ | AT+CGEQREQ=1,2,64,64,,,0,320,"1E4","1E5",1,,3<CR>  AT+CGEQREQ=1,3,64,64,,,0,320,"1E4","1E5",1,,<CR> | Quality of Service Profile (Requested), 3GPP TS 27.007 [23], clause 10.1.4 |
| CHUP | AT+CHUP<CR> | Hang up call, 3GPP TS 27.007 [23], clause 6.5 |
| CMOD | AT+CMOD=0<CR>  AT+CMOD=1<CR> | Call mode, 3GPP TS 27.007 [23], clause 6.4 |
| CMSS | AT+CMSS=000<CR>  AT+CMSS=001<CR>  AT+CMSS=002<CR> | Send Message from Storage, 3GPP TS 27.005 [22], clause 3.5.2 |
| CVHU | AT+CVHU=0<CR> | Voice Hang up control, 3GPP TS 27.007 [23], clause 6.20 |

#### 8.8.1.6 AT commands SMS ATS:

| Command | Syntax in TTCN | Comments |
| --- | --- | --- |
| CBST | AT+CBST=[<speed>[,<name>[,<ce>]]]<CR>  <speed>=0,7,12,14,15,16,17,39,43,47,48,49,50,51,71,75,79,80,81,82,83,84,115,116,120,121  <name>=0,1,4,5  <ce>=0,1 | Select bearer service type, 3GPP TS 27.007 [23], clause 6.7 |
| CGACT | AT+CGACT=1,1<CR>  AT+CGACT=0,1<CR> | PDP context activate or deactivate, 3GPP TS 27.007 [23], clause 10.1.10 |
| CGATT | AT+CGATT=1<CR> | PS attach or detach, 3GPP TS 27.007 [23], clause 10.1.9 |
| CGDCONT | AT+CGDCONT=1,"IP","ABCDEF","200.1.1.80",0,0<CR>  AT+CGDCONT=1,"IP","GHIJK","200.1.1.90",0,0<CR> | Define PDP Context, 3GPP TS 27.007 [23], clause 10.1.1 |
| CGDSCONT | AT+CGDSCONT= 1,<CR>  AT+ CGDSCONT=1 , 1, "IP", 0,0,<CR> | Establish secondary PDP Context, 3GPP TS 27.007 [23], clause 10.1.2 |
| CGEQREQ | AT+CGEQREQ=1,2,64,64,,,0,320,"1E4","1E5",1,,3<CR>  AT+CGEQREQ=1,3,64,64,,,0,320,"1E4","1E5",1,,<CR> | Quality of Service Profile (Requested), 3GPP TS 27.007 [23], clause 10.1.4 |
| CGSMS | AT+CGSMS=1<CR>  AT+CGSMS=0<CR> | Select service for MO SMS messages, 3GPP TS 27.007 [23], clause 10.1.20 |
| CHUP | AT+CHUP<CR> | Hang up call, 3GPP TS 27.007 [23], clause 6.5 |
| CMGD | AT+CMGD=001<CR>  AT+CMGD=1,4<CR> | Delete Message, 3GPP TS 27.005 [22], clause 3.5.4 |
| CMGF | AT+CMGF=1<CR> | Message Format, 3GPP TS 27.005 [22], clause 3.2.3 |
| CMGR | AT+CMGR=001<CR>  AT+CMGR=002<CR>  AT+CMGR=003<CR>  AT+CMGR=004<CR> | Read Message, 3GPP TS 27.005 [22], clause 3.4.3 |
| CMGW | AT+CMGW= "1111111111",129, "The quick brown fox jumps over the lazy dog's back. Kaufen Sie Ihrer Frau vier bequeme Pelze. - 0123456789 - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG'S BACK."<CR> | Write Message to Memory, 3GPP TS 27.005 [22], clause 3.5.3 |
| CMMS | AT+CMMS=1<CR> | More Messages to Send, 3GPP TS 27.005 [22], clause 3.5.6 |
| CMOD | AT+CMOD=0<CR>  AT+CMOD=1<CR> | Call mode, 3GPP TS 27.007 [23], clause 6.4 |
| CMSS | AT+CMSS=000<CR>  AT+CMSS=001<CR>  AT+CMSS=002<CR> | Send Message from Storage, 3GPP TS 27.005 [22], clause 3.5.2 |
| CPMS | AT+CPMS="SM,"SM","MT"<CR>  AT+CPMS="CB","CB","CB"<CR> | Preferred Message Storage, 3GPP TS 27.005 [22], clause 3.2.2 |
| CSCA | AT+CSCA="2222222222",129<CR> | Service Centre Address, 3GPP TS 27.005 [22], clause 3.3.1 |
| CSCS | AT+CSCS="GSM"<CR> | Select TE character set, 3GPP TS 27.007 [23], clause 5.5 |
| CSMS | AT+CSMS=0<CR> | Select Message Service, 3GPP TS 27.005 [22], clause 3.2.1 |
| CVHU | AT+CVHU=0<CR> | Voice Hang up control, 3GPP TS 27.007 [23], clause 6.20 |

#### 8.8.1.7 AT commands in HSDPA ATS (Rel-5 or later):

| Command | Syntax in TTCN | Comments |
| --- | --- | --- |
| CGEQREQ | AT+CGEQREQ=[<cid> [,<Traffic class> [,<Maximum bitrate UL> [,<Maximum bitrate DL> [,<Guaranteed bitrate UL> [,<Guaranteed bitrate DL> [,<Delivery order> [,<Maximum SDU size> [,<SDU error ratio> [,<Residual bit error ratio> [,<Delivery of erroneous SDUs> [,<Transfer delay> [,<Traffic handling priority> ]]]]]]]]]]]]] <CR>  <cid> =1  <Traffic class> =2, 3  <Maximum bitrate UL> =64, 384  <Maximum bitrate DL> = See clause 8.10.1  <Guaranteed bitrate UL> Not used  <Guaranteed bitrate DL> Not used  <Delivery order> =0  <Maximum SDU size> =320, 640  <SDU error ratio> = "1E4"  <Residual bit error ratio> ="1E5"  <Delivery of erroneous SDUs> =1  <Transfer delay> Not used  <Traffic handling priority> =3 | Quality of Service Profile (Requested), 3GPP TS 27.007 [23], clause 10.1.4 |
| CMGD | AT+CMGD=001<CR>  AT+CMGD=1,4<CR> | Delete Message, 3GPP TS 27.005 [22], clause 3.5.4 |
| CMGF | AT+CMGF=1<CR> | Message Format, 3GPP TS 27.005 [22], clause 3.2.3 |
| CPMS | AT+CPMS="SM,"SM","MT"<CR>  AT+CPMS="CB","CB","CB"<CR> | Preferred Message Storage, 3GPP TS 27.005 [22], clause 3.2.2 |
| CSCS | AT+CSCS="GSM"<CR> | Select TE character set, 3GPP TS 27.007 [23], clause 5.5 |
| CSMS | AT+CSMS=0<CR> | Select Message Service, 3GPP TS 27.005 [22], clause 3.2.1 |

#### 8.8.1.8 AT commands for E-DCH testing (Rel-6 or later) and HS-ENH testing (Rel-7 or later)

| Command | Syntax in TTCN | Comments |
| --- | --- | --- |
| CGEQREQ | AT+CGEQREQ=[<cid> [,<Traffic class> [,<Maximum bitrate UL> [,<Maximum bitrate DL> [,<Guaranteed bitrate UL> [,<Guaranteed bitrate DL> [,<Delivery order> [,<Maximum SDU size> [,<SDU error ratio> [,<Residual bit error ratio> [,<Delivery of erroneous SDUs> [,<Transfer delay> [,<Traffic handling priority> ]]]]]]]]]]]]] <CR>  <cid> =1  <Traffic class> =2, 3  <Maximum bitrate UL> = See clause 8.10.2  <Maximum bitrate DL> = See clause 8.10.1  <Guaranteed bitrate UL> Not used  <Guaranteed bitrate DL> Not used  <Delivery order> =0  <Maximum SDU size> =320, 640  <SDU error ratio> = "1E4"  <Residual bit error ratio> ="1E5"  <Delivery of erroneous SDUs> =1  <Transfer delay> Not used  <Traffic handling priority> =3 | Quality of Service Profile (Requested), 3GPP TS 27.007 [23], clause 10.1.4 |
| CMGD | AT+CMGD=001<CR>  AT+CMGD=1,4<CR> | Delete Message, 3GPP TS 27.005 [22], clause 3.5.4 |
| CMGF | AT+CMGF=1<CR> | Message Format, 3GPP TS 27.005 [22], clause 3.2.3 |
| CPMS | AT+CPMS="SM,"SM","MT"<CR>  AT+CPMS="CB","CB","CB"<CR> | Preferred Message Storage, 3GPP TS 27.005 [22], clause 3.2.2 |
| CSCS | AT+CSCS="GSM"<CR> | Select TE character set, 3GPP TS 27.007 [23], clause 5.5 |
| CSMS | AT+CSMS=0<CR> | Select Message Service, 3GPP TS 27.005 [22], clause 3.2.1 |
| COPN | AT+COPN=?<CR> | Read operator names +COPNTS 27.007 clause 7.21 |

### 8.8.2 TTCN-2 AT Command Handling in TTCN

#### 8.8.2.1 AT Command Interface

The AT Command Interface resides between the UE and the System Simulator (SS). The implementation of AT commands in the UE is optional[3]. It is agreed, however, that it is the responsibility of the SS - not the ATS - to map AT commands onto appropriate MMI commands. This means that the ATSs issue AT commands which have to be mapped appropriately and forwarded to the UE, and vice versa.

The ATSs have been implemented in such a way that AT commands are to be answered immediately. This means that the TTCN expects the answers right away and progresses only afterwards. As a consequence only positive AT responses are assumed.

There are two exceptions from the rule of immediate answering:

- the CGACT command: for this command the TTCN does not expect an immediate AT response. Once the CGACT command has been issued a subsequent UE behaviour is expected. The AT response is issued by the UE only after execution of the AT command, and it will only then be accounted for by the ATSs;

- the CMSS command: the short message triggered from the UE and the response upon the AT command may arrive at the SS in any order. The signalling short message received from the UE is considered as implicit response upon the AT command. The actual response upon the AT command, a string starting with “CMSS”,  is consumed in the default behaviour.

#### 8.8.2.2 AT Command Dialogues

In some cases AT commands trigger a dialogue between the AT command interface and the UE. An example used in the SMS ATS is the CMGW command.

EXAMPLE: AT+CMGW="9501231234" (write message)  
> This is the message body*^Z*+CMGW: 7 (index number in storage returned)  
OK

A special character (^Z) marks the end of the dialogue.

The ATSs generate information to be sent to the UE as one block. If the command mapping function cannot proceed with the dialogue that way, it has to divide the received block into the appropriate pieces prior to forwarding them.

#### 8.8.2.3 AT Response Types

The term 'response type' shall allow a distinction between different types of contents to answer upon an AT command issued by the TTCN.

##### 8.8.2.3.1 'OK' Response

Most AT commands are to be answered with 'OK'. All exceptions are according to 3GPP TS 27.007 [23], for example +CGDATA is to be answered with 'CONNECT'.

##### 8.8.2.3.2 Name String

There are a number of AT commands which, in the positive case, trigger an answer string from UEs. Such strings start with the command which is being answered.

EXAMPLE: AT+CPMS? (check memory settings)  
+CPMS: "ME",4,10,"ME",4,10,"ME",4,10  
OK

The implementation of this type of AT commands is such that the TTCN expects and checks the beginning of the response string. This would (later) facilitate possible direct connections between SS and UE.

##### 8.8.2.3.3 Error strings

There are situations when the UE cannot react positively upon an AT command. Different types of reactions are foreseen. The strings 'ERROR' or 'CMS ERROR: <err>' may be issued by UEs.

"...subparameter values of a command are not accepted by the TA (or command itself is invalid, or command cannot be performed for some reason), result code <CR><LF>ERROR<CR><LF> is sent to the TE and no subsequent commands in the command line are processed."

"Final result code +CMS ERROR: <err> indicates an error related to mobile equipment or network. The operation is similar to ERROR result code. None of the following commands in the same command line is executed. Neither ERROR nor OK result code shall be returned. ERROR is returned normally when error is related to syntax or invalid parameters."

The chosen way of realization prevents, in general, that error strings generated by the UE are passed to the SS. This holds for both intended and unintended errors (from the tester perspective).

#### 8.8.2.4 AT Command Parameters And Options

Many AT commands take parameters some of which are optional. Thus, there is a degree of freedom left to the UEs. This freedom is widely used in the AT commands used in the SMS ATS. To allow flexible parameterization PIXIT items can be used to set the parameters as understood by the UEs.

Examples of such parameters are the preferred memories to be used when testing.

## 8.9 Bit padding

Three different kinds of bit padding at the RRC layer are defined in 3GPP TS 25.331 [21].

If a bit string is defined in ASN.1 and is an output from a (PER) encoder, it may need the segmentation and padding. One example is that each SIB message is PER-encoded and becomes a (PER) bit-string. A long bit-string is segmented in fixed length, for example with 222 bits. The (1 ... 7) padding bits shall be added at the last segment if its length is between 215 and 211.

No bit padding shall be generated by the PER encoder. Contrary to ITU-T Recommendation X.691 [28], the unaligned PER encoder shall not generate any padding bit to achieve octet alignment at the end of a PER bit string.

RRC padding: The RRC padding bits shall be generated after PER encoder. If the PER bit strings are exchanged via AM or UM SAP, the (1 ... 7) padding bits shall be added to ensure the octet alignment. If the PER bit strings are exchanged via TR SAP, before the exchanges, RRC shall select the smallest transport format that fits the RRC PDU and shall add the lowest number of padding bits required to fit the size specified for the selected transport format. The RRC padding bits shall be taken into account at the calculation of the integrity checksum.

### 8.9.1 Requirements for implementation

The different kinds of bit padding occur at the different places in the testing architecture. Care must be taken, in order to ensure the correct implementation.

The bit padding for the embedded bit string in ASN.1shall be resolved in TTCN. It is under the responsibility of the TTCN writer. Several TSO defined can resolve the necessary bit padding in the downlink direction.

The unaligned PER encoder used for TTCN shall not implement the octet alignment at the end of a PER bit string in the downlink direction.

The RRC padding should be implemented at the SS in the downlink direction both for AM/UM and TR modes according to 3GPP TS 25.331 [21], clause 12.1.3.

The SS PER decoder has no need to distinguish the extension and padding parts in the UL direction, and shall match and accept RRC PDUs with any bit string in the extension and padding parts. The remaining part of the received bit string shall be discarded regardless of the RLC mode.

## 8.10 Test PDP contexts

Table 8.10.1 defines test PDP contexts used in the generic procedures for the PS establishment and other SM tests. The test PDP contextDch1 is the default Test PDP context used in the test cases where no particular Test PDP contexts are specified and UE is in DCH state. The test PDP contextFach is the default Test PDP context used in the test cases where no particular Test PDP contexts are specified and UE is in FACH state.

Table 8.10.1: Test PDP contexts

|  |  |  |  |
| --- | --- | --- | --- |
|  | PDP  ContextDch | PDP  ContextDchForLTE | PDP  ContextFach |
| NSAPI | Selected by UE in Activate PDP Context Request | Selected by UE in Activate PDP Context Request | Selected by UE in Activate PDP Context Request |
| LLC SAPI | 0 | 0 | 0 |
| QoS | QoSDch-UL64kAM-DL64kAM | QoSDch-UL128kAM-DL128kAM | QoSFach- UL32kAM-DL32kAM |
| PDP address | PIXIT | PIXIT | PIXIT |
| Radio Priority | 1 | 1 | 1 |
| Access Point Name | tsc\_AccessPtNameDCH "ABCDEF" | tsc\_AccessPtNameDCH "ABCDEF" | tsc\_AccessPtNameFACH "GHIJK" |
| Protocol configuration options | - | - | - |
| Packet Flow Identifier | Best Effort | Best Effort | Best Effort |

Table 8.10.2: Test QoS

|  | QoSDch-UL64kAM-DL64kAM | QoSDch-UL128kAM-DL128kAM | QoSFach- UL32kAM-DL32kAM |
| --- | --- | --- | --- |
| Reliability class | '011'B  Unacknowledged GTP, LLC, and acknowledged RLC; Protected data | '101'B  Unacknowledged GTP, LLC, and unacknowledged RLC; Unprotected data | '011'B  Unacknowledged GTP, LLC, and acknowledged RLC; Protected data |
| Delay class | '011'B / '100'B  3 / 4 (Best effort) | '100'B  4 (Best effort) | '011'B / '100'B  3 / 4 (Best effort) |
| Precedence class | UL:'000'B, Subscribed  DL:'011'B  Class 3 | UL:'000'B, Subscribed  DL:'010'B  Class 2 | UL:'000'B, Subscribed  DL:'011'B  Class 3 |
| Peak throughput | '0100'B  8 000 Octets/s | '0101'B  16 000 Octets/s | '0011'  Up to 4 000 octet/s |
| Mean throughput | '11111'B  Best Effort | '11111'B  Best Effort | '11111'B  Best Effort |
| Delivery of erroneous SDU | '010' B  Erroneous SDUs are delivered ('yes') | '010' B  Erroneous SDUs are delivered ('yes') | '010' B  Erroneous SDUs are delivered ('yes') |
| Delivery order | '10'B  Without delivery order ('no') | '10'B  With delivery order ('no') | '10'B  Without delivery order ('no') |
| Traffic class | '011' B / '100'B  Interactive / Background | '100'B  Background | '011' B / '100'B  Interactive / Background |
| Maximum SDU size | '20' O  320 bits] | '96' O  1500 octets | '20'O  320 bits |
| Maximum bit rate for uplink | '40' O  64 kbps | '48' O  128 kbps | '20'O  32 kbps |
| Maximum bit rate for downlink | '40' O  64 kbps | '48' O  128 kbps | '20'O  32 kbps |
| Residual BER | '0111'  1X10E-5 | '0100'  4X10E-3 | '0111'  1X10E-5 |
| SDU error ratio | '0100'B  1X10E-4 | '0011'B  1X10E-3 | '0100'B  1X10E-4 |
| Traffic Handling priority | UL: '00'B for Interactive,  Any for Background  DL: '11' B (for Interactive, for Background to be neglected by UE) | Any for Background  DL: '00' B (to be neglected by UE) | UL: '00'B for Interactive,  Any for Background  DL: '11' B (for Interactive, for Background to be neglected by UE) |
| Transfer delay | UL: Any  DL: '111111' B  spare (not applicable for Interactive / Background) | UL: Any  DL: '111111' B  spare (not applicable for Background) | UL: Any  DL: '111111' B  spare (not applicable for Interactive / Background) |
| Guaranteed bit rate for uplink | UL: Any  DL: '10' O  16 kbps | UL: Any  DL: '10' O  16 kbps | UL: Any  DL: '10'O  16 kbps |
| Guaranteed bit rate for downlink | UL: Any  DL: '10' O  16 kbps | UL: Any  DL: '10' O  16 kbps | UL: Any  DL: '10'O  16 kbps |
| NOTE: Residual BER 1X10E-5 corresponds to CRC 16. | | | |

### 8.10.1 Mapping of Quality of service and AT command for HSPA DL testing

Table 8.10.1.1 defines the encoding of the Maximum bit rate for downlink IE in QoS and the corresponding encoding in the AT command.

Table 8.10.1.1: Test QoS in HSPA DL test cases (Rel-5 or later)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **UE HS-DSCH Category** | **Min inter-TTI interval (TTI=2ms)** | **Max number of bits of an HS-DSCH TB received within an HS-DSCH TTI (see note 1)** | **Max number of MAC-d PDUs in a single MAC-hs PDU with RLC payload size 640 bits (see note 2)** | **Max bit rate (kbps)** | **Max bit rate for DL QoS (Octetstring)** | **AT command for Max bit rate of DL QoS (IA5string)** |
| 1, 2 | 3 | 7298 | 11 | 1173 | 89 | 1152 |
| 3, 4 | 2 | 7298 | 11 | 1760 | 92 | 1728 |
| 5, 6 | 1 | 7298 | 11 | 3520 | AE | 3520 |
| 7, 8 | 1 | 14411 | 21 | 6720 | E0 | 6720 |
| 9 | 1 | 20251 | 30 | 9600 | FE (octet 9)  0A (octet 15) | 9600 |
| 10 | 1 | 27952 | 42 | 13440 | FE (octet 9)  30 (octet 15) | 13400 |
| 11 | 2 | 3630 | 5 | 800 | 83 | 768 |
| 12 | 1 | 3630 | 5 | 1600 | 90 | 1600 |
| 13,  17(64QAM) | 1 | 35280 | 53 | 16960 | FE (octet 9)  4A (octet 15) | 16000 |
| 14,  18(64QAM) | 1 | 42192 | 64 | 20480 | FE (octet 9)  4E (octet 15) | 20000 |
| 15 | 1 | 23370 | 35 | 11200 | FE (octet 9)  1A (octet 15) | 11200 |
| 16 | 1 | 27952 | 42 | 13440 | FE (octet 9)  30 (octet 15) | 13400 |
| 17(MIMO)  (see note 3) | 1 | 23370 | 70 | 22400 | FE (octet 9)  50 (octet 15) | 22000 |
| 18(MIMO)  (see note 3) | 1 | 27952 | 84 | 26880 | FE (octet 9)  54 (octet 15) | 26000 |
| 19 | 1 | 35280 | 53 | 16960 | FE (octet 9)  4a (octet 15) | 16000 |
| 20 | 1 | 42192 | 64 | 20480 | FE (octet 9)  4E (octet 15) | 20000 |
| 19(MIMO)  (see note 3) | 1 | 35280 | 106 | 33920 | FE (octet 9)  5B (octet 15) | 33000 |
| 20(MIMO)  (see note 3) | 1 | 42192 | 128 | 40960 | FE (octet 9)  62 (octet 15) | 40000 |
| 21(DC-HSDPA)  (see note 3) | 1 | 23370 | 70 | 22400 | FE (octet 9)  50 (octet 15) | 22000 |
| 22(DC-HSDPA)  (see note 3) | 1 | 27952 | 84 | 26880 | FE (octet 9)  54 (octet 15) | 26000 |
| 23(DC-HSDPA)  (see note 3) | 1 | 35280 | 106 | 33920 | FE (octet 9)  5B (octet 15) | 33000 |
| 24(DC-HSDPA)  (see note 3) | 1 | 42192 | 128 | 40960 | FE (octet 9)  62 (octet 15) | 40000 |
| 25  (NOTE 4) | 1 | 23370 | 140 | 44800 | FE (octet 9)  66 (octet 15) | 44000 |
| 26  (NOTE 4) | 1 | 27952 | 168 | 53760 | FE (octet 9)  6F (octet 15) | 53000 |
| 27  (NOTE 4) | 1 | 35280 | 212 | 67840 | FE (octet 9)  7D (octet 15) | 67000 |
| 28  (NOTE 4) | 1 | 42192 | 256 | 81920 | FE (octet 9)  8B (octet 15) | 81000 |
| 29  (NOTE 5) | 1 | 42192 | 192 | 61400 | FE (octet 9)  77 (octet 15) | 61000 |
| 30  (NOTE 5) | 1 | 42192 | 192 | 61400 | FE (octet 9)  77 (octet 15) | 61000 |
| 30  (3C-HSDPA and MIMO)  (NOTE 5) | 1 | 42192 | 384 | 122880 | FE (octet 9)  B4 (octet 15) | 122000 |
| 31  (NOTE 6) | 1 | 42192 | 256 | 81920 | FE (octet 9)  8B (octet 15) | 81000 |
| 32  (NOTE 6) | 1 | 42192 | 256 | 81920 | FE (octet 9)  8B (octet 15) | 81000 |
| 32 (4C-HSDPA and MIMO)  (NOTE 6) | 1 | 42192 | 512 | 163840 | FE (octet 9)  CB (octet 15) | 162000 |
| NOTE 1: Refer to 3GPP TS 25.306 [16a] Table 5.1a.  NOTE 2: The maximum number of single-sized MAC-d PDUs in a single MAC-hs PDU is calculated with the formula: **- Max number MAC-d PDU = DIV ((MAX TB size - MAC-hs header fixed part), MAC-d PDU size)** - where MAC-d PDU size = 640 + 16 = 656 - MAC-hs header fixed part = Length of MAC-hs fixed header (VF + Queue Id + TSN) + Length of MAC-hs flexible header (SID + N + F) = 21 bits  Example of calculation for category 1: Max number MAC-d PDU = DIV( (7298-21) , 656) = 11  NOTE 3: Example of calculation for MIMO or DC-HSDPA or Multiflow with 2 cells: When MIMO or dual cell operation is configured, this parameter defines the maximum number of bits that the UE is capable of receiving per transport block per HS-DSCH. The maximum number of single-sized MAC-d PDUs in a single MAC-ehs PDU is calculated with the formula: **- Max number MAC-d PDU = DIV ((MAX TB size - MAC-ehs header fixed part), MAC-d PDU size) \* 2** - where MAC-d PDU size = 640 + 16 = 656 - MAC-ehs header fixed part = Length of one MAC-ehs fixed header (LCH-ID + L + TSN + SI + F) = 24 bits  Example of calculation for category 17: Max number MAC-d PDU = DIV( (23370-24) , 656)\*2 = 70  NOTE 4: Example of calculation for combined DC-HSDPA and MIMO: When DC-HSPDA and MIMO is configured, this parameter defines the maximum number of bits that the UE is capable of receiving per transport block per HS-DSCH. The maximum number of single-sized MAC-d PDUs in a single MAC-ehs PDU is calculated with the formula: **- Max number MAC-d PDU = DIV ((MAX TB size - MAC-ehs header fixed part), MAC-d PDU size) \* 4**  - where MAC-d PDU size = 640 + 16 = 656 - MAC-ehs header fixed part = Length of one MAC-ehs fixed header (LCH-ID + L + extended TSN + SI + F) = 32 bits  Example of calculation for category 25: Max number MAC-d PDU = DIV( (23370-32) , 656)\*4 = 140  NOTE 5: Example of calculation for 3C-HSDPA or Multiflow with 3 cells: When 3C-HSDPA is configured, this parameter defines the maximum number of bits that the UE is capable of receiving per transport block per HS-DSCH. The maximum number of single-sized MAC-d PDUs in a single MAC-ehs PDU is calculated with the formula: - without MIMO configured: **Max number MAC-d PDU = DIV ((MAX TB size - MAC-ehs header fixed part), MAC-d PDU size) \* 3**  - with MIMO configured: **Max number MAC-d PDU = DIV ((MAX TB size - MAC-ehs header fixed part), MAC-d PDU size) \* 6**  - where MAC-d PDU size = 640 + 16 = 656 - MAC-ehs header fixed part = Length of one MAC-ehs fixed header (LCH-ID + L + TSN + SI + F) = 24 bits  Example of calculation for category 29: Max number MAC-d PDU = DIV( (42192-24) , 656)\*3 = 192  NOTE 6: Example of calculation for 4C-HSDPA or Multiflow with 4 cells: When 4C-HSDPA is configured, this parameter defines the maximum number of bits that the UE is capable of receiving per transport block per HS-DSCH. The maximum number of single-sized MAC-d PDUs in a single MAC-ehs PDU is calculated with the formula: **-** without MIMO configured:  **Max number MAC-d PDU = DIV ((MAX TB size - MAC-ehs header fixed part), MAC-d PDU size) \* 4**  **-** with MIMO configured:  **Max number MAC-d PDU = DIV ((MAX TB size - MAC-ehs header fixed part), MAC-d PDU size) \* 8** - where MAC-d PDU size = 640 + 16 = 656 - MAC-ehs header fixed part = Length of one MAC-ehs fixed header (LCH-ID + L + TSN + SI + F) = 24 bits  Example of calculation for category 29: Max number MAC-d PDU = DIV( (42192-24) , 656)\*4 = 256 | | | | | | |

### 8.10.1a Mapping of Quality of service and AT command for LCR TDD HSPA DL testing

Table 8.10.1a defines the encoding of the Maximum bit rate for downlink IE in QoS and the corresponding encoding in the AT command for LCR TDD.

Table 8.10.1a: Test QoS in HSPA DL test cases for LCR TDD (Rel-5 or later)

| UE HS-DSCH Category | Max number of bits of an HS-DSCH TB received within an HS-DSCH TTI  (see note 1) | Max number of MAC-d PDUs in a single MAC-hs PDU with RLC payload size 640 bits  (see note 2) | Max bit rate (kbps) | Max bit rate for DL QoS (Octetstring) | AT command for Max bit rate of DL QoS (IA5string) |
| --- | --- | --- | --- | --- | --- |
| 1 | 2788 | 4 | 512 | 78 | 512 |
| 2 | 2788 | 4 | 512 | 78 | 512 |
| 3 | 2788 | 4 | 512 | 78 | 512 |
| 4 | 5600 | 8 | 1024 | 87 | 1024 |
| 5 | 5600 | 8 | 1024 | 87 | 1024 |
| 6 | 5600 | 8 | 1024 | 87 | 1024 |
| 7 | 8416 | 12 | 1536 | 8F | 1536 |
| 8 | 8416 | 12 | 1536 | 8F | 1536 |
| 9 | 8416 | 12 | 1536 | 8F | 1536 |
| 10 | 11226 | 17 | 2176 | 99 | 2176 |
| 11 | 11226 | 17 | 2176 | 99 | 2176 |
| 12 | 11226 | 17 | 2176 | 99 | 2176 |
| 13 | 14043 | 21 | 2688 | A1 | 2688 |
| 14 | 14043 | 21 | 2688 | A1 | 2688 |
| 15 | 14043 | 21 | 2688 | A1 | 2688 |
| 16 | 12636 | 19 | 2432 | 9D | 2432 |
| 17 | 12636 | 19 | 2432 | 9D | 2432 |
| 18 | 12636 | 19 | 2432 | 9D | 2432 |
| 19 | 16856 | 25 | 3200 | A9 | 3200 |
| 20 | 16856 | 25 | 3200 | A9 | 3200 |
| 21 | 16856 | 25 | 3200 | A9 | 3200 |
| 22 | 21076 | 32 | 4096 | B7 | 4096 |
| 23 | 21076 | 32 | 4096 | B7 | 4096 |
| 24 | 21076 | 32 | 4096 | B7 | 4096 |
| 25 | 12636 | 19 | 2432 | 9D | 2432 |
| 25(MIMO) (see note 3) | 8416 | 24 | 3072 | A7 | 3072 |
| 26 | 16856 | 25 | 3200 | A9 | 3200 |
| 26(MIMO) (see note 3) | 11226 | 34 | 4352 | BB | 4352 |
| 27 | 21076 | 32 | 4096 | B7 | 4096 |
| 27(MIMO) (see note 3) | 14043 | 42 | 5376 | CB | 5376 |
| 28 | 12636 | 19 | 2432 | 9D | 2432 |
| 28(MIMO) (see note 3) | 12636 | 38 | 4864 | C3 | 4864 |
| 29 | 16856 | 25 | 3200 | A9 | 3200 |
| 29(MIMO) (see note 3) | 16856 | 50 | 6400 | DB | 6400 |
| 30 | 21076 | 32 | 4096 | B7 | 4096 |
| 30(MIMO) (see note 3) | 21076 | 64 | 8192 | F7 | 8192 |
| NOTE 1: Refer to 3GPP TS 25.306 [16a], Table 5.1c.  NOTE 2: The maximum number of single-sized MAC-d PDUs in a single MAC-hs PDU is calculated with the formula:  **- Max number MAC-d PDU = DIV ((MAX TB size - MAC-hs header fixed part), MAC-d PDU size)**, where  - MAC-d PDU size = 640 + 16 = 656 bits  - MAC-hs header fixed part = Length of MAC-hs fixed header (VF + Queue Id + TSN) + Length of MAC-hs flexible header (SID + N + F) = 21 bits.  Example of calculation for category 1: Max number MAC-d PDU = DIV( (2788-21) , (640+16) = 4.  NOTE 3: When MIMO operation is configured, the maximum number of single-sized MAC-d PDUs in a single MAC-ehs PDU is calculated with the formula:  **- Max number MAC-d PDU = DIV ((MAX TB size - MAC-ehs header fixed part), MAC-d PDU size) \* 2**  where MAC-d PDU size = 640 + 16 = 656 MAC-ehs header fixed part = Length of one MAC-ehs fixed header (LCH-ID + L + TSN + SI + F) = 24 bits  Example calculation for category 30: Max number MAC-d PDU = DIV( (21076-24) , 656)\*2 = 64. | | | | | |

### 8.10.2 Mapping of Quality of service and AT command for HSPA UL testing

Table 8.10.2.1 defines the encoding of the Maximum bit rate for uplink IE in QoS and the corresponding encoding in the AT command.

Table 8.10.2.1: Test QoS in HSPA UL test cases (Rel-6 or later)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| UE E-DCH Category | Max number of bits of an E-DCH TB transmitted within an E-DCH TTI  (see note 1) | TTI  (see note 3) | Max number of MAC-d PDUs in a single MAC-e/es or MAC-i/is PDU with RLC paylaod size 320 bits (see note 2) | Max bit rate (kbps) | Max bit rate for UL QoS (Octetstring) | AT command for Max bit rate of UL QoS (IA5string) |
| 1 | 7110 | 10 ms | 21 | 672 | 81 | 640 |
| 2 | 2798 | 2 ms | 8 | 1280 | 8B | 1280 |
| 2 | 14484 | 10 ms | 43 | 1376 | 8C | 1344 |
| 3 | 14484 | 10 ms | 43 | 1376 | 8C | 1344 |
| 4 | 5772 | 2 ms | 17 | 2720 | A1 | 2688 |
| 4 | 20000 | 10 ms | 59 | 1888 | 94 | 1856 |
| 5 | 20000 | 10 ms | 59 | 1888 | 94 | 1856 |
| 6 | 11484 | 2 ms | 34 | 5440 | CC | 5440 |
| 6 | 20000 | 10 ms | 59 | 1888 | 94 | 1856 |
| 7 | 22996 | 2 ms | 68 | 10880 | FE (octet 8)  16 (octet 17) | 10800 |
| 7 | 20000 | 10 ms | 59 | 1888 | 94 | 1856 |
| 8 | 11484 | 2 ms | 68 (see note 4) | 10880 | FE (octet 8)  16 (octet 17) | 10800 |
| 9 | 22996 | 2 ms | 136 (see note 4) | 21760 | FE (octet 8)  4F (octet 17) | 21000 |
| NOTE 1: Refer to 3GPP TS 25.306 [16a], Table 5.1g.  NOTE 2: The maximum number of MAC-d PDUs in a single MAC-e PDU containing a single MAC-es PDU is calculated with the formula: - **Max number MAC-d PDU = DIV ((MAX TB size - Length of MAC-e/es fixed header (DDI+N+TSN)), MAC-d PDU size)**  The maximum number of MAC-d PDUs in a single MAC-i PDU containing a single MAC-is PDU is calculated with the formula:  - **Max number MAC-d PDU = DIV ((MAX TB size - Length of MAC-i/is fixed header (LCH-ID, L, F, SS, TSN)), MAC-d PDU size)**  Example of calculation for category 1 with MAC-e/es: Max number MAC-d PDU = DIV((7110 - 18), (320+16)) = 21  Example of calculation for category 1 with MAC-i/is: Max number MAC-d PDU = DIV((7110 - 24), (320+16)) = 21  NOTE 3: TTI=2ms is preferred for the test unless specified differently in 3GPP TS 34.123-1 [1].  NOTE 4: When DC-HSUPA apply the maximum number of MAC-d PDUs in a single MAC-i PDU containing a single MAC-is PDU is calculated with the formula:  - **Max number MAC-d PDU = (DIV ((MAX TB size - Length of MAC-i/is fixed header (LCH-ID, L, F, SS, extended TSN)), MAC-d PDU size))\*2**  Example of calculation for category 8: Max number MAC-d PDU = DIV((7110 - 32), (320+16)) \*2= 68 | | | | | | |

### 8.10.2a Mapping of Quality of service and AT command for LCR TDD HSPA UL testing

Table 8.10.2a defines the encoding of the Maximum bit rate for uplink IE in QoS and the corresponding encoding in the AT command.

Table 8.10.2a: Test QoS in HSPA UL LCR TDD test cases (Rel-6 or later)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| UE E-DCH Category | Max number of bits of an E-DCH TB transmitted within an E-DCH TTI  (see note 1) | Max number of MAC-d PDUs in a single MAC-e/es PDU with RLC payload size 320 bits  (see note 2) | Max bit rate (kbps) | Max bit rate for UL QoS (Octetstring) | AT command for Max bit rate of UL QoS (IA5string) |
| 1 | 2754 | 8 | 512 | 78 | 512 |
| 2 | 4162 | 12 | 768 | 83 | 768 |
| 3 | 5532 | 16 | 1024 | 87 | 1024 |
| 4 | 8348 | 24 | 1536 | 8F | 1536 |
| 5 | 11160 | 33 | 2112 | 98 | 2112 |
| 6 | 11160 | 33 | 2112 | 98 | 2112 |
| NOTE 1: See 3GPP TS 25.306 [16a], Table 5.1m.  NOTE 2: The maximum number of MAC-d PDUs in a single MAC-e PDU containing a single MAC-es PDU is calculated with the formula:  **- Max number MAC-d PDU = DIV ((MAX TB size - Length of MAC-e/es fixed header), MAC-d PDU size)**  where, MAC-d PDU size = 320 + 16 = 336 bits  - Length of MAC-e/es fixed header = DDI+N+TSN = 18 bits  Example of calculation for category 1: Max number MAC-d PDU = DIV((2754 - 18), (336)) = 8. | | | | | |

### 8.10.3 Peak Throughput Class for HSPA testing

Table 8.10.3 defines the value of the Peak Throughput Class.

Table 8.10.3: Value of the Peak Throughput Class

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| E-DCH category  HS-DSCH category | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | 8 | 8 | 8 | 9 | 8 | 9 | 9 |
| 2 | 8 | 8 | 8 | 9 | 8 | 9 | 9 |
| 3 | 8 | 8 | 8 | 9 | 8 | 9 | 9 |
| 4 | 8 | 8 | 8 | 9 | 8 | 9 | 9 |
| 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 11 | 7 | 8 | 8 | 9 | 8 | 9 | 9 |
| 12 | 8 | 8 | 8 | 9 | 8 | 9 | 9 |
| 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 14 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 15 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 16 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 17 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 18 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 19 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 20 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 21 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 22 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 23 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 24 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

## 8.11 DCH-DSCH Configurations

The purpose of this clause is to specify the general ASP sequence and to precise values only when they have something specific in the given configuration.

**1. Configure PDSCH physical channel**

CPHY\_RL\_Setup\_REQ(

physicalChannelIdentity,

pDSCHInfo)

-- set up the scrambling code and transmission power level for the PDSCH identified by PhysicalChannelIdentity, and establishes the mapping between the spreading factor(and channelization codes) used for the PDSCH and TFCI(field2) transmitted in associated PDCH

**2. Configure DSCH transport channels**

CPHY\_TrCH\_Config\_REQ(

physicalChannelIdentity,

dlconnectedTrCHList,

dlTFCS)

-- set up TFS for each of DSCH's carried by the PDSCH defined in step 1 and TFCS (will be presented in TFCI(field2) of PDCH configured in step 5) for the CCTrCH consisting of these DSCH's

**3. Configure MAC entity for DSCH**

CMAC\_Config\_REQ(

physicalChannelIdentity,

uE\_Info,

dlconnectedTrCHList,

dlTFCS)

-- set up TFS, DSCH-RNTI and TFCS (which will be presented in TFCI(field2) of PDCH configured in step 5) for DSCH's, and map logical channel to DSCH transport channel

**4. Configure RLC entity for DTCHs**

CRLC\_Config\_REQ(

physicalChannelIdentity,

rBInfo)

-- set up RLC entity on top of DTCH logical channel which is mapped onto DSCH

**5. Configure DPCH physical channel**

CPHY\_RL\_Setup\_REQ(

physicalChannelIdentity,

dPCHInfo)

**6. Configure DCH transport channels**

CPHY\_TrCH\_Config\_REQ(

physicalChannelIdentity,

dlconnectedTrCHList,

dlTFCS)

-- set up TFS for each DCH carried by the DPCH defined in step 5 and TFCS (TFCI(field1 and field2)) for the CCTrCH consisting of all DCH's mapped on the DPCH.

**7. Configure MAC entity for DCH**

CMAC\_Config\_REQ(

physicalChannelIdentity,

dlconnectedTrCHList,

dlTFCS)

-- set up TFS and TFCS (TFCI(field1) for DCH's, and TFCI(field2) for associated DSCH), and map logical channel to DCH transport channel.

**8. Configure RLC for DTCH, DCCH**

CRLC\_Config\_REQ(

physicalChannelIdentity,

rBInfo)

-- set up RLC entity on top of DTCH and DCCH logical channels which are mapped onto DCH

## 8.11a DCH with HS-DSCH Configurations (Rel-5 or later)

The purpose of this clause is to specify the general ASP sequence and to precise values only when they have something specific in the given configuration.

**1. Configure DPCH physical channel**

CPHY\_RL\_Setup\_REQ(

physicalChannelIdentity,

dPCHInfo\_r5 or dPCHInfo\_r6 or dPCHInfo\_r7 )

-- hs\_DPCCHInd is present in the dPCHInfo ( only for HS-DSCH serving cell)

-- set up the DL-DPCH associated with HS-PDSCH

-- set up the HS-DPCCH which is associated with the HS-PDSCH (this is done only for HS-DSCH serving

-- cell).

**2. Configure DCH transport channels**

CPHY\_TrCH\_Config\_REQ(

physicalChannelIdentity,

dlconnectedTrCHList,

dlTFCS)

-- set up TFS for each DCH carried by the DPCH defined in step 5 and TFCS for the CCTrCH consisting

of all DCH's mapped on the DPCH.

**3. Configure MAC entity for DCH**

CMAC\_Config\_REQ(

physicalChannelIdentity,

dlconnectedTrCHList,

dlTFCS)

-- set up TFS and TFCS for DCH's, and map logical channel to DCH transport channel.

**4. Configure RLC for DCCH**

CRLC\_Config\_REQ(

rB\_Identity,

rBInfo)

-- set up RLC entity on top of DCCH logical channels which are mapped onto DCH

**5. Configure HS-PDSCH physical channel**

CPHY\_RL\_Setup\_REQ(

physicalChannelIdentity,

hs\_PDSCHInfo (r5 or r6 or r7[dedicated]))

-- set up the HS-PDSCH identified by PhysicalChannelIdentity

-- for the HS-PDSCH the configurable parameters are: the scrambling code, and

-- set up the HS-SCCH which is associated with the HS-PDSCH without physicalChannelIdentity

-- for the HS-SCCH the configurable parameters are: channelisation code set and H-RNTI

hSDSCHPhysicalLayerCategory HSDSCH\_physical\_layer\_category, hsdsch\_physical\_layer\_category\_ext HSDSCH\_physical\_layer\_category\_ext,

-- needed when MAC-ehs is configured

h\_RNTI H\_RNTI, dlHSPDSCHInformation DL\_HSPDSCH\_Information,

ackNackRepetitionFactor ACK\_NACK\_repetitionFactor,

sttd\_Indicator BOOLEAN,

hs\_SCCH\_TxPower DL\_TxPower,

mimo\_Parameters MIMO\_Parameters

-- optionally present when MIMO is configured.

**6. Configure HS-DSCH transport channels**

**6.a Associated with MAC-hs**

CPHY\_TrCH\_Config\_REQ(

physicalChannelIdentity,

hsDSCHMacdFlows)

-- set up the HS-DSCH transport channel which carries MAC\_d flows identified by Mac\_dFlowId

in the hsDSCHMacdFlows.

-- for each MAC\_d flow the number of process queues of the MAC-d flow and their queue identities

are configurable;

-- for each MAChsQueue the configurable parameters are: machsQueueId; priority;

mac\_hsPduSizeInfoList; reorderingReleaseTimer, discardTimer and the MAC-dFlow identity to which

this MAChsQueue belongs.

-- mimoStatus is set to TRUE if MIMO is configured.

**6.b Associated with MAC-ehs [Rel-7 or later]**

CPHY\_TrCH\_Config\_REQ(

physicalChannelIdentity,

ehs\_DSCH\_Flows])

-- set up the HS-DSCH transport channel MAC-ehs Queues flows identified by mac\_ehs\_QueueId

in the EHS\_DSCH\_Flows.

-- for each MAC-ehsQueue the configurable parameters are: mac\_ehs\_QueueId;

reorderingReleaseTimerT1; mac\_ehsWindowSize;

-- the number of harq process is configurable

-- mimoStatus is set to TRUE if MIMO is configured.

**7. Configure MAC-hs/MAC-ehs entity for HS-DSCH**

CMAC\_MAChs\_MACehs\_TFRCconfigure\_REQ(

explicit TRFC config mode with:

modulationScheme,

channelisationCodeOffset,

noOfChannelisatonCodes,

tbSizeIndexOnHS\_SCCH,

minimumInterTTIinterval,

redundancyVersion,

hs\_PDSCH\_TxPower)

Or if MIMO is configured :

explicit\_MIMMO mode [ if MIMO is configured] with:

modulationSchemeAndNumTB,

channelisationCodeOffset,

noOfChannelisatonCodes,

precodingWeight2,

primaryTB\_SizeIndexOnHS\_SCCH,

secondaryTB\_SizeIndexOnHS\_SCCH,

--present only if second TB is to be tx as per modulationSchemeAndNumTB

minimumInterTTIinterval ,

primaryRedundancyVersions,

secondaryRedundancyVersions,

--present only if second TB is to be tx as per modulationSchemeAndNumTB

hs\_PDSCH\_TxPower

)

**7.a MAC-hs**

CMAC\_Config\_REQ(

physicalChannelIdentity,

uE\_Info,

hsDSCHMacdFlows)

-- the hsDSCHMacdFlows shall be same as that used in CPHY\_TrCH\_Config\_REQ.

-- set up MAC\_d flows identified by Mac\_dFlowId in the hsDSCHMacdFlows.

-- for each MAC\_d flow the number of process queues of the MAC-d flow and their queue identities

are configurable;

-- for each MAChsQueue the configurable parameters are: machsQueueId; priority;

mac\_hsPduSizeInfoList; reorderingReleaseTimer, discardTimer and the MAC-dFlow identity to which

this MAChsQueue belongs.

-- set up the mapping between each MAC\_d flow and the logical channels which mapped on the flow.

-- MAC-hs entity is created per cell. In case of Intra Node B Handover this entity at the UE will not be reset whereas in the TTCN it will be released in the first cell and setup in the second cell. As no data is sent on HS-DSCH, this implementation will not affect the signalling, as signalling is transmitted through the associated DPCH channel.

-- mimoStatus is set to TRUE if MIMO is configured.

**7.b MAC-ehs [Rel-7 or later]**

CMAC\_Config\_REQ(

physicalChannelIdentity,

uE\_Info,

ehs\_DSCH\_Flows)

-- the ehs\_DSCH\_Flows shall be same as that used in CPHY\_TrCH\_Config\_REQ.

-- set up ehs-DSCH flows identified by mac\_ehs\_QueueId in the hsDSCHMacdFlows.

-- set up the mapping between each mac-ehs flow and the logical channels which mapped on the flow.

-- MAC\_ehs entity is created per cell. In case of Intra Node B Handover this entity at the UE will not be reset whereas in the TTCN it will be released in the first cell and setup in the second cell. As no data is sent on HS-DSCH, this implementation will not affect the signalling, as signalling is transmitted through the associated DPCH channel.

-- mimoStatus is set to TRUE if MIMO is configured.

**8. Configure RLC entity for DTCHs which is mapped on HS-DSCH**

CRLC\_Config\_REQ(

rB\_Identity,

rBInfo)

-- set up RLC entity on top of DTCH logical channel which is mapped onto MAC\_d/MAC-ehs flow

**9. MAC-hs/MAC-ehs reset, release of SS resources for HSDPA**

MAC-hs/MAC-ehs reset:

CMAC\_MAChs\_MACehs\_Reset\_REQ(

cellId)

RL release:

CPHY\_RL\_Release\_REQ(

cellId, phyChId)

-- phyChid is the identity of HS-PDSCH physical channel or the associated DPCH channel

-- the HS-SCCH physical channel shall be also released when HS-PDSCH is released

-- the HS-DPCCH physical channel shall be released when the associated DPCH is released

TrCH release:

CPHY\_TrCH\_Release\_REQ(

cellId, phyChId)

-- phyChid is the identity of HS-PDSCH physical channel

MAC-hs/MAC-ehs release:

CMAC\_Config\_REQ(

cellId, phyChId)

-- phyChid is the identity of HS-PDSCH physical channel

RLC release:

CRLC\_Config\_REQ(

cellId, rbId)

-- rbid is the identity of the radio bearer providing HSDPA service

## 8.11aa HS-DSCH Configurations without DCH associated (Rel-6 or later)

The purpose of this clause is to specify the general ASP sequence and to precise values only when they have something specific in the given configuration.

**1. Configure F-DPCH physical channel**

CPHY\_RL\_Setup\_REQ(

physicalChannelIdentity,

dPCHInfo\_r6 or dPCHInfo\_r7 )

-- hs\_DPCCHInd is present in the dPCHInfo (only for HS-DSCH serving cell)

-- set up the DL-FDPCH associated with HS-PDSCH

-- set up the HS-DPCCH which is associated with the HS-PDSCH (this is done only for HS-DSCH serving

-- cell).

**2. Configure HS-PDSCH physical channel**

CPHY\_RL\_Setup\_REQ(

physicalChannelIdentity,

hs\_PDSCHInfo (r5 or r6 or r7[dedicated]))

-- set up the HS-PDSCH identified by PhysicalChannelIdentity

-- for the HS-PDSCH the configurable parameters are: the scrambling code, and

-- set up the HS-SCCH which is associated with the HS-PDSCH without physicalChannelIdentity

-- for the HS-SCCH the configurable parameters are: channelisation code set and H-RNTI

hSDSCHPhysicalLayerCategory HSDSCH\_physical\_layer\_category,

hsdsch\_physical\_layer\_category\_ext HSDSCH\_physical\_layer\_category\_ext,

-- needed when MAC-ehs is configured

h\_RNTI H\_RNTI,

dlHSPDSCHInformation DL\_HSPDSCH\_Information,

ackNackRepetitionFactor ACK\_NACK\_repetitionFactor,

sttd\_Indicator BOOLEAN,

hs\_SCCH\_TxPower DL\_\_TxPower,

hs\_scch\_LessInfo HS\_SCCH\_LessInfo\_r7

-- if hs-scch less operation[Rel-7] is enabled. Conditional to no DCH configured

-- in UL as well.

mimo\_Parameters MIMO\_Parameters\_r7

-- optionally present when MIMO is configured.

-- mimo and HS-SCCH cannot be simultaneously configured.

**6. Configure HS-DSCH transport channels**

**6.a Associated with MAC-hs**

CPHY\_TrCH\_Config\_REQ(

physicalChannelIdentity,

hsDSCHMacdFlows)

-- set up the HS-DSCH transport channel which carries MAC\_d flows identified by Mac\_dFlowId

in the hsDSCHMacdFlows.

-- for each MAC\_d flow the number of process queues of the MAC-d flow and their queue identities

are configurable;

-- for each MAChsQueue the configurable parameters are: machsQueueId; priority;

mac\_hsPduSizeInfoList; reorderingReleaseTimer, discardTimer and the MAC-dFlow identity to which

this MAChsQueue belongs.

-- mimoStatus is set to TRUE if MIMO is configured.

**6.b Associated with MAC-ehs [Rel-7 or later]**

CPHY\_TrCH\_Config\_REQ(

physicalChannelIdentity,

ehs\_DSCH\_Flows])

-- set up the HS-DSCH transport channel MAC-ehs Queues flows identified by mac\_ehs\_QueueId

in the EHS\_DSCH\_Flows.

-- for each MAC-ehsQueue the configurable parameters are: mac\_ehs\_QueueId;

ReorderingReleaseTimerT1; mac\_ehsWindowSize;

-- the number of harq process is configurable

-- mimoStatus is set to TRUE if MIMO is configured.

**7. Configure MAC-hs/MAC-ehs entity for HS-DSCH**

**If HS-SCCH less operation is not used:**

CMAC\_MAChs\_MACehs\_TFRCconfigure\_REQ(

explicit TRFC config mode with:

modulationScheme,

channelisationCodeOffset,

noOfChannelisatonCodes,

tbSizeIndexOnHS\_SCCH,

minimumInterTTIinterval,

redundancyVersion,

hs\_PDSCH\_TxPower)

Or if MIMO is configured :

explicit\_MIMMO mode [if MIMO is configured] with:

modulationSchemeAndNumTB,

channelisationCodeOffset,

noOfChannelisatonCodes,

precodingWeight2,

primaryTB\_SizeIndexOnHS\_SCCH,

secondaryTB\_SizeIndexOnHS\_SCCH,

--present only if second TB is to be tx as per modulationSchemeAndNumTB

minimumInterTTIinterval ,

primaryRedundancyVersions,

secondaryRedundancyVersions,

--present only if second TB is to be tx as per modulationSchemeAndNumTB

hs\_PDSCH\_TxPower

**If HS-SCCH less operation is used [Rel-7 or later]:**

CMAC\_MAChs\_MAC-ehs\_TFRCconfigure\_REQ(

hs\_scch\_LessInfo mode with:

modulationScheme,

channelisationCodeOffset,

noOfChannelisatonCodes,

tbSizeIndexOnHS\_SCCH,

minimumInterTTIinterval,

redundancyVersion,

hs\_PDSCH\_TxPower)

**7.a MAC-hs**

CMAC\_Config\_REQ(

physicalChannelIdentity,

uE\_Info,

hsDSCHMacdFlows)

-- the hsDSCHMacdFlows shall be same as that used in CPHY\_TrCH\_Config\_REQ.

-- set up MAC\_d flows identified by Mac\_dFlowId in the hsDSCHMacdFlows.

-- for each MAC\_d flow the number of process queues of the MAC-d flow and their queue identities

are configurable;

-- for each MAChsQueue the configurable parameters are: machsQueueId; priority;

mac\_hsPduSizeInfoList; reorderingReleaseTimer, discardTimer and the MAC-dFlow identity to which

this MAChsQueue belongs.

-- set up the mapping between each MAC\_d flow and the logical channels which mapped on the flow.

-- MAC-hs entity is created per cell. In case of Intra Node B Handover this entity at the UE will

not be reset whereas in the TTCN it will be released in the first cell and setup in the second cell. As no data is sent on HS-DSCH, this implementation will not affect the signalling, as signalling is transmitted through the associated DPCH channel.

-- mimoStatus is set to TRUE if MIMO is configured.

**7.b MAC-ehs [Rel-7 or later]**

CMAC\_Config\_REQ(

physicalChannelIdentity,

uE\_Info,

ehs\_DSCH\_Flows)

-- the ehs\_DSCH\_Flows shall be same as that used in CPHY\_TrCH\_Config\_REQ.

-- set up ehs-DSCH flows identified by mac\_ehs\_QueueId in the hsDSCHMacdFlows.

-- set up the mapping between each mac-ehs flow and the logical channels which mapped on the flow.

-- MAC\_ehs entity is created per cell. In case of Intra Node B Handover this entity at the UE will not be reset whereas in the TTCN it will be released in the first cell and setup in the second cell. As no data is sent on HS-DSCH, this implementation will not affect the signalling, as signalling is transmitted through the associated DPCH channel.

-- mimoStatus is set to TRUE if MIMO is configured.

**8. Configure RLC entity for DTCHs and/or DCCHs (if not already configured) which is mapped on HS-DSCH**

CRLC\_Config\_REQ(

rB\_Identity,

rBInfo)

-- set up RLC entity on top of DTCH/DCCH logical channel which is mapped onto MAC-d/mac-ehsQueue

**9. MAC-hs/MAC-ehs reset, release of SS resources for HSDPA**

MAC-hs/MAC-ehs reset:

CMAC\_MAChs\_MACehs \_Reset\_REQ(

cellId)

RL release:

CPHY\_RL\_Release\_REQ(

cellId, phyChId)

-- phyChid is the identity of HS-PDSCH physical channel or the associated DPCH channel

-- the HS-SCCH physical channel shall be also released when HS-PDSCH is released

-- the HS-DPCCH physical channel shall be released when the associated DPCH is released

TrCH release:

CPHY\_TrCH\_Release\_REQ(

cellId, phyChId)

-- phyChid is the identity of HS-PDSCH physical channel

MAC-hs/MAC-ehs release:

CMAC\_Config\_REQ(

cellId, phyChId)

-- phyChid is the identity of HS-PDSCH physical channel

RLC release:

CRLC\_Config\_REQ(

cellId, rbId)

-- rbid is the identity of the radio bearer providing HSDPA service

## 8.11b HS-DSCH Configuration Verification

The purpose of this clause is to specify the general ASP sequence and to precise values only when they have something specific in the given configuration.

In most HSDPA test cases although the HSDPA channels (HS-SCCH, HS-PDSCH, HS-DSCH & HS-DPCCH) are set up and reconfigured using RRC peer messages, no data is sent on HS-DSCH and all the signalling is transmitted through the associated DPCH physical channel.

In order to ensure that the HS-DPCCH channel has been configured, the SS shall, upon request, forward one CQI report to the TTCN.

## 8.11c HS-DSCH Configurations for enhanced Cell FACH (Rel-7 or later) [Mapping CCCH/BCCH/PCCH on HS-DSCH]

The purpose of this clause is to specify the general ASP sequence and to precise values only when they have something specific in the given configuration.

**1. Configure HS-PDSCH physical channel**

CPHY\_RL\_Setup\_REQ(

physicalChannelIdentity,

Common\_HS\_PDSCH\_Info)

-- set up the HS-PDSCH identified by PhysicalChannelIdentity

-- for the HS-PDSCH the configurable parameters are: the scrambling code, and

-- set up the HS-SCCH which is associated with the HS-PDSCH without physicalChannelIdentity

-- for the HS-SCCH the configurable parameters are: channelisation code set and common/dedicated H-RNTI selected by/allocated to UE

hSDSCHPhysicalLayerCategory HSDSCH\_physical\_layer\_category,

hs\_DSCH\_64QAM\_Support BOOLEAN,

-- needed only if 64QAM[Rel-7] is supported [Cat 13 and 14]

commonOrDedicated\_H\_RNTI H\_RNTI,

bcchSpecific\_H\_RNTI H\_RNTI,

hs\_scch\_SystemInfo HS\_SCCH\_SystemInfo,

hs\_dsch\_PagingSystemInformation HS\_DSCH\_PagingSystemInformation,

sttd\_Indicator BOOLEAN,

hs\_SCCH\_TxPower DL\_TxPower -- offset related to CPICH

hs\_scch\_LessInfo HS\_SCCH\_LessInfo\_r7

-- if hs-scch less operation[Rel-7] is enabled. Conditional to no DCH configured

in UL as well.

mimo\_Parameters MIMO\_Parameters

-- optionally present when MIMO is configured.

-- mimo and HS-SCCH cannot be simultaneously configured.

**6. Configure HS-DSCH transport channels**

CPHY\_TrCH\_Config\_REQ(

physicalChannelIdentity,

ehs\_DSCH\_CommonFlows)

-- set up the HS-DSCH transport channel MAC-ehs common lows identified by mac\_ehs\_QueueId

in the EHS\_DSCH\_Flows.

-- for each MAC-ehsQueue the configurable parameters are: mac\_ehs\_QueueId ;reorderingReleaseTimer T1; mac\_ehsWindowSize;

the number of harq processare is configurable

**7. Configure MAC-hs/MAC-ehs entity for HS-DSCH**

CMAC\_MAChs\_MACehs\_TFRCconfigure\_REQ(

explicit TRFC config mode with:

hs\_pdsch\_CodeIndex,

hs\_scch\_LessTFI,

hs\_scch\_LessSecondCodeApplicability,

hs\_PDSCH\_TxPower)

CMAC\_Config\_REQ(

physicalChannelIdentity,

uE\_Info,

ehs\_DSCH\_CommonFlows)

-- the ehs\_DSCH\_CommonFlows shall be same as that used in CPHY\_TrCH\_Config\_REQ.

-- set up ehs-DSCH flows identified by mac\_ehs\_QueueId in the hsDSCHMacdFlows.

-- set up the mapping between each ehs\_DSCH\_CommonFlows and the logical channels which are mapped on the flow.

-- MAC\_ehs entity is created per cell. In case of Intra Node B Handover this entity at the UE will not be reset whereas in the TTCN it will be released in the first cell and setup in the second cell.

## 8.12 Pre- and postambles for GERAN to UTRAN tests

### 8.12.1 Preamble for GERAN to UTRAN tests

Before running inter-RAT test cases, radio conditions should be such that the mobile has to select the cell of the intended original RAT. The following steps should be used before running GERAN to UTRAN test cases.

1. UTRAN cell is powered OFF. The default radio conditions for a suitable GERAN cell are used for the serving cell, as defined in 3GPP TS 34.108 [3], clause 6.1.7. This step is performed while the UE is still switched OFF.

2. UE is switched ON and performs registration and attach.

3. The UTRAN cell is powered ON with an RF level such that the cell is a suitable neighbour cell, using the RF conditions defined in 3GPP TS 34.108 [3], clause 6.1.5, so that the UE will not re-select the UTRAN cell.

### 8.12.2 Postamble for GERAN to UTRAN tests

The following procedure is used after inter-RAT handover or cell change order test cases in case the test needs to be performed multiple times in a loop.

#### 8.12.2.1 GERAN to UTRAN handover in CS

The test cases are defined in 3GPP TS 51.010-1 [26], clause 60.

Expected sequence

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step | Direction | | Message | Comments |
| UE | SS |
| 1 | <-- | | SECURITY MODE COMMAND | Integrity protection is activated. UTRAN security keys in CS domain derived from GERAN |
| 2 | --> | | SECURITY MODE COMPLETE |  |
| 3 | <-- | | UTRAN MOBILITY INFORMATION | RRC |
| 4 | --> | | UTRAN MOBILITY INFORMATION CONFIRM | RRC |
| 5 | --> | | ROUTING AREA UPDATE REQUEST | GMM - Update type = 'RA updating'. Not performed by CS only mobile. |
| 5a | <-- | | SECURITY MODE COMMAND | Integrity protection is activated. UTRAN security keys in PS domain derived from GERAN |
| 5b | --> | | SECURITY MODE COMPLETE |  |
| 6 | <-- | | ROUTING AREA UPDATE ACCEPT | GMM - P-TMSI is included |
| 7 | --> | | ROUTING AREA UPDATE COMPLETE |  |
| 8 |  | |  | The call is terminated. SS releases the RRC connection. |
| 9 | --> | | RRC CONNECTION REQUEST | RRC - establishment cause = 'registration' |
| 10 | <-- | | RRC CONNECTION SETUP | RRC |
| 11 | --> | | RRC CONNECTION SETUP COMPLETE | RRC |
| 12 | --> | | ROUTING AREA UPDATE REQUEST | CS/PS mobiles: GMM - Update type" = 'combined RA/LA updating' or 'combined RA/LA updating with ISMI Attach'  Note: CS only mobiles will perform a normal LAU |
| 13 | <-- | | SECURITY MODE COMMAND | Integrity protection is activated. |
| 14 | --> | | SECURITY MODE COMPLETE |  |
| 15 | <-- | | ROUTING AREA UPDATE ACCEPT | P-TMSI is included |
| 16 | --> | | ROUTING AREA UPDATE COMPLETE |  |
| 17 |  | |  | The SS releases the RRC connection. |
| 18 |  | |  | UE is powered OFF |

Specific message contents

UTRAN MOBILITY INFORMATION message:

Use the same message sub-type found in TS 34.108, clause 9, with the following exceptions:

|  |  |
| --- | --- |
| **Information Element** | **Value/remark** |
| CN information info |  |
| - PLMN identity | Not present |
| - CN domain related information |  |
| - CN domain identity | PS |
| - CN domain specific NAS system information |  |
| - GSM-MAP NAS system information | 00 00H |
| - CN domain specific DRX cycle length coefficient | 7 |

SECURITY MODE COMMAND message:

Use the same message sub-type found in TS 34.108, clause 9, with the following exceptions:

|  |  |
| --- | --- |
| **Information Element** | **Value/remark** |
| Ciphering mode info | Not present |

All remaining Specific message contents shall be referred to 34.108 clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

#### 8.12.2.2 GERAN to UTRAN cell change in PS (in PMM-CONNECTED)

These test cases are defined in 3GPP TS 51.010-1 [26], clause 42.4.7.

Expected sequence

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step | Direction | | Message | Comments |
| UE | SS |
| 1 | --> | | ROUTING AREA UPDATE REQUEST | GMM - Update type = 'Combined RA / LA updating' or 'combined RA/LA updating with ISMI Attach 'for CS/PS mobiles, and 'RA updating' for PS only mobiles.  Follow-on request is made. |
| 2 | <-- | | SECURITY MODE COMMAND | Integrity protection is activated, UTRAN security keys in PS domain derived from GERAN |
| 3 | --> | | SECURITY MODE COMPLETE |  |
| 4 | <-- | | ROUTING AREA UPDATE ACCEPT | GMM - P-TMSI is included |
| 5 | --> | | ROUTING AREA UPDATE COMPLETE |  |
|  |  | |  | SS releases the RRC connection |
|  |  | |  | UE is powered OFF. |

#### 8.12.2.3 GERAN to UTRAN DTM test cases

These test cases are defined in 3GPP TS 51.010-1 [26], clauses 41.5.1.1.1.4 and 47.3.4.

Expected sequence

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step | Direction | | Message | Comments |
| UE | SS |
|  |  | |  | The SS releases the RR connection |
| 1 | --> | | RRC CONNECTION REQUEST | RRC - establishment cause = 'registration' |
| 2 | <-- | | RRC CONNECTION SETUP | RRC |
| 3 | --> | | RRC CONNECTION SETUP COMPLETE | RRC |
| A4 | --> | | ROUTING AREA UPDATE REQUEST | UE behaviour type A, if the UE is still attached:  GMM - Update type = 'Combined RA / LA updating' or 'combined RA/LA updating with ISMI Attach |
| A5 | <-- | | SECURITY MODE COMMAND | Integrity protection is activated, UTRAN security keys in PS domain derived from GERAN |
| A6 | --> | | SECURITY MODE COMPLETE |  |
| A7 | <-- | | ROUTING AREA UPDATE ACCEPT | GMM - P-TMSI is included |
| A8 | --> | | ROUTING AREA UPDATE COMPLETE |  |
| B4 | --> | | LOCATION UPDATING REQUEST | UE behaviour type B, if the UE has already detached |
| B5 |  | | AUTHENTICATION REQUEST |  |
| B6 |  | | AUTHENTICATION RESPONSE |  |
| B7 | <-- | | SECURITY MODE COMMAND | Integrity protection is activated, UTRAN security keys in CS domain derived from GERAN |
| B8 | --> | | SECURITY MODE COMPLETE |  |
| B8a | <-- | | LOCATION UPDATING ACCEPT |  |
| B8b | --> | | TMSI REALLOCATION COMPLETE |  |
| 9 |  | |  | SS releases the RRC connection |
| 10 |  | |  | UE is powered OFF. |

## 8.13 E-DCH configurations (Rel-6 or later)

The purpose of this clause is to specify the general ASP sequence and to precise values only when they have something specific in the given configuration.

### 8.13.1 DPCH (SRB) and E-DCH (RAB) configuration

#### 8.13.1.1 Serving E-DCH cell

**1. Configure DPCH physical channel**

CPHY\_RL\_Setup\_REQ

(

cellId\_1

physicalChannelIdentity,

dPCHInfo\_r5OrLater

r6 (

ul\_DPCH\_Info6

)

)

-- set up the UL-DPCH channel. When UL-DPCH is established, E-DPCH shall use the same scrambling code.

**2. Configure DCH transport channels**

CPHY\_TrCH\_Config\_REQ(

cellId\_1

physicalChannelIdentity,

ulconnectedTrCHList,

ulTFCS)

-- set up TFS for each DCH carried by the DPCH defined in step 5 and TFCS for the CCTrCH consisting

of all DCH's mapped on the DPCH.

**3. Configure MAC entity for DCH**

CMAC\_Config\_REQ(

physicalChannelIdentity,

ulconnectedTrCHList,

ulTFCS)

-- set up TFS and TFCS for DCH's, and map logical channel to DCH transport channel.

uE\_Info

**4. Configure RLC for DCCH**

CRLC\_Config\_REQ(

rB\_Identity,

rBInfo)

-- set up RLC entity on top of DCCH logical channels which are mapped onto DCH

**5. Configure E-DCH DL physical channel CPHY\_RL\_Setup\_REQ**

(

physicalChannelIdentity,

e\_AGCHInfo

(

e\_AGCHInfo

tti

e\_AGCH\_PowerOffset

)

)

-- set up the E-AGCH identified by PhysicalChannelIdentity

-- E-AGCH channel is configured only in the serving E-DCH cell

-- for E-AGCH the configurable parameters are

e\_AGCHInfo E\_AGCH\_Information

e\_AGCH\_PowerOffset INTEGER (0..255)

e\_RNTI\_Primary E\_RNTI

e\_RNTI\_Secondary E\_RNTI

-- The tti value shall be the same as the associated E-DPCH

CPHY\_RL\_Setup\_REQ

(

physicalChannelIdentity,

e\_HICHInfo

(

e\_HICHInfo

tti

e\_HICH\_PowerOffset

)

}

-- set up the E-HICH identified by PhysicalChannelIdentity

-- for E-HICH the configurable parameters are

e\_HICHInfo E\_HICH\_Information

e\_HICH\_PowerOffset INTEGER (0..255)

-- The tti value shall be the same as the associated E-DPCH

-- As E-HICH is having timing dependencies with DPCH, it is configured last

CPHY\_RL\_Setup\_REQ

(

physicalChannelIdentity,

e\_RGCHInfo

(

e\_RGCHInfo

tti

e\_RGCH\_PowerOffset

)

)

-- set up the E-RGCH identified by PhysicalChannelIdentity

-- for E-RGCH the configurable parameters are

e\_RGCHInfo E\_RGCH\_Information

e\_RGCH\_PowerOffset INTEGER (0..255)

-- The tti value shall be the same as the associated E-DPCH

**6. Configure E-DCH UL physical channel**

CPHY\_RL\_Setup\_REQ

(

physicalChannelIdentity

e\_DPCHInfo

(

e\_DPCCH\_Info

e\_DPDCH\_Info

scramblingCodeType

scramblingCode

tti

edch\_PhysicalLayerCategory

)

)

-- set up the E-DCH identified by PhysicalChannelIdentity

-- for E-DPCH the configurable parameters are

e\_DPCCH\_Info E\_DPCCH\_Info

e\_DPDCH\_Info E\_DPDCH\_Info

tti E\_DCH\_TTI

edch\_PhysicalLayerCategory INTEGER (1..16)

-- The scramblingCodeType and scramblingCode shall be the same as for Ul-DPCH

**7. Configure E-DCH UL transport channels**

CPHY\_TrCH\_Config\_REQ (

physicalChannelIdentity,

e\_DCHMacdFlows )

-- set up the E-DCH transport channel which carries one or multiple MAC\_d flows, one Mac\_d flow is defined as

{

tti E\_DCH\_TTI

harqInfo ENUMERATED { rv0 (0) }

addReconf\_MAC\_d\_Flow E\_DCH\_AddReconf\_MAC\_d\_Flow

}

-- the tti parameter is the same for all Mac\_d flows

-- each Mac\_d flow is identified by mac-d-FlowIdentity defined in the addReconf\_MAC\_d\_Flow

-- for each MAC\_d flow the configurable parameters are: mac-d-FlowPowerOffset, mac-d-FlowMaxRetrans, mac-d-FlowMultiplexingList, transmissionGrantType

**8. Mapping E-DCH cells in Node B**

CMAC\_MACe\_NodeB\_CellMapping\_REQ

(

nodeB\_Id

celllist

)

-- set-up the mapping between NodeB-Id and E-DCH cells in celllist

-- a E-DCH cell is mapped to only one NodeB, and the cellId allocation is unique in a test.

**9. Configure MAC\_e entity for E-DCH**

CMAC\_MACe\_Config\_REQ

(

nodeB\_Id

ddiMappinglist

e\_DCHMacdFlows

connectedToMAC\_es

)

-- MAC\_e entity is created per Node-B

-- the e\_DCHMacdFlows shall be same as that used in CPHY\_TrCH\_Config\_REQ

-- the field connectedToMAC\_es shall be set to TRUE in serving E-DCH cell

-- the field connectedToMAC\_es shall be set to FALSE in inter nodeB SHO

-- ddiMappinglist is defined as

activationTime SS\_ActivationTime

macHeaderManipulation MAC\_HeaderManipulation

logicalChannelIdentity LogicalChannelIdentity

e\_DCH\_MAC\_d\_FlowIdentity E\_DCH\_MAC\_d\_FlowIdentity

ddi DDI

rlc\_PDU\_SizeList RLC\_PDU\_SizeList

mac\_LogicalChannelPriority MAC\_LogicalChannelPriority

logicalChannelType LogicalChannelType

**10. Configure MAC\_es entity for E-DCH**

CMAC\_MACes\_Config\_REQ

(

ddiMappinglist

macTestMode

)

-- set-up the mapping between the logical channel and the Mac\_d flows

-- only one MAC\_es entity is created

-- the ddiMappinglist shall be the same as that used in CMAC\_MACe\_Config\_REQ

**11. Configure RLC entity for DTCHs which is mapped on E-DCH**

CRLC\_Config\_REQ

(

rB\_Identity,

rBInfo

)

-- set up RLC entity on top of DTCH logical channel which is mapped onto MAC\_d flow

#### 8.13.1.2 SHO - addition of E-DCH RL in a serving RL cell (intra node B)

**1. Configure E-DCH physical channel**

-- E-DPCH is not configured: the cell is under the control of the same nodeB as the initial RL.

-- E-AGCH channel is not configured, it is configured only in the serving E-DCH cell

CPHY\_RL\_Setup\_REQ

(

physicalChannelIdentity,

e\_HICHInfo

(

e\_HICHInfo

tti

e\_HICH\_PowerOffset

)

}

-- set up the E-HICH identified by PhysicalChannelIdentity

-- for E-HICH the configurable parameters are

e\_HICHInfo E\_HICH\_Information

e\_HICH\_PowerOffset INTEGER (0..255)

-- The tti value shall be the same as the associated E-DPCH in the serving E-DCH cell

CPHY\_RL\_Setup\_REQ

(

physicalChannelIdentity,

e\_RGCHInfo

(

e\_RGCHInfo

tti

e\_RGCH\_PowerOffset

)

)

-- set up the E-RGCH identified by PhysicalChannelIdentity

-- for E-RGCH the configurable parameters are

e\_RGCHInfo E\_RGCH\_Information

e\_RGCH\_PowerOffset INTEGER (0..255)

The tti value shall be the same as the associated E-DPCH in the serving E-DCH cell

**2. Mapping E-DCH cells in Node B**

CMAC\_MACe\_NodeB\_CellMapping\_REQ

{

nodeB\_Id

celllist

}

-- set-up the mapping between NodeB-Id and the new E-DCH cell in celllist

#### 8.13.1.3 SHO – addition of E-DCH RL in a non-serving RL cell (inter node B)

**1. Configure E-DCH DL physical channel**

CPHY\_RL\_Setup\_REQ

(

physicalChannelIdentity,

e\_HICHInfo

(

e\_HICHInfo

tti

e\_HICH\_PowerOffset

)

}

-- set up the E-HICH identified by PhysicalChannelIdentity

-- for E-HICH the configurable parameters are

e\_HICHInfo E\_HICH\_Information

e\_HICH\_PowerOffset INTEGER (0..255)

-- The tti value shall be the same as the associated E-DPCH in the serving E-DCH cell

CPHY\_RL\_Setup\_REQ

(

physicalChannelIdentity,

e\_RGCHInfo

(

e\_RGCHInfo

tti

e\_RGCH\_PowerOffset

)

)

-- set up the E-RGCH identified by PhysicalChannelIdentity

-- for E-RGCH the configurable parameters are

e\_RGCHInfo E\_RGCH\_Information

e\_RGCH\_PowerOffset INTEGER (0..255)

-- The tti value shall be the same as the associated E-DPCH in the serving E-DCH cell

**2. Configure E-DCH UL physical channel**

CPHY\_RL\_Setup\_REQ

(

physicalChannelIdentity,

e\_DPCHInfo

(

e\_DPCCH\_Info

e\_DPDCH\_Info

scramblingCodeType

scramblingCode

tti

edch\_PhysicalLayerCategory

)

)

-- set up the E-DCH identified by PhysicalChannelIdentity, the same as in the serving E-DCh cell

-- for E-DPCH the configurable parameters are

e\_DPCCH\_Info E\_DPCCH\_Info,

e\_DPDCH\_Info E\_DPDCH\_Info,

edch\_PhysicalLayerCategory INTEGER (1..16)

-- The scramblingCodeType and scramblingCode shall be the same as for Ul-DPCH

-- The tti value shall be the same as the E-DPCH in the serving E-DCH cell

-- for E-DPCH, the scramblingCodeType and scramblingCode shall be the same as for Ul\_DPCH

-- E-AGCH channel is not configured

**3. Configure E-DCH transport channels**

CPHY\_TrCH\_Config\_REQ

(

physicalChannelIdentity,

e\_DCHMacdFlows

)

-- set up the E-DCH transport channel which carries the same MAC\_d flows as the initial RL

**4. Configure MAC\_e entity for E-DCH**

CMAC\_MACe\_Config\_REQ

(

nodeB\_Id

ddiMappinglist

e\_DCHMacdFlows

connectedToMAC\_es FALSE

)

-- MAC\_e entity is created per Node-B

-- the e\_DCHMacdFlows shall be same as that used in CPHY\_TrCH\_Config\_REQ

-- the field connectedToMAC\_es shall be set to FALSE in inter nodeB SHO

-- ddiMappinglist is defined like in the initial RL

**5. Mapping E-DCH cells in Node B**

CMAC\_MACe\_NodeB\_CellMapping\_REQ

(

nodeB\_Id

celllist

)

-- set-up the mapping between the new NodeB-Id and E-DCH in the new cell

### 8.13.2 DPCH/HS-DSCH/E-DCH setup and release order

When setting up an HSUPA RAB, the following order of channel configuration is applied:

DL-DPCH, HS-DSCH, UL-DPCH, E-DCH.

When releasing an HSUPA RAB, the following order of channel release/ modification is applied:

E-DCH, HS-DSCH, UL-DPCH, DL-DPCH.

### 8.13.3 Serving E-DCH cell with UL DTX Configured [Rel-7]

UL-DRX is always configured when UL-DTX is started.

**1. Configure DPCH physical channel**

CPHY\_RL\_Setup\_REQ

(

cellId\_1

physicalChannelIdentity,

dPCHInfo\_r5OrLater

r7 (

UL\_DPCH\_Info\_r7

{

scramblingCodeType,

scramblingCode,

dpdchPresence notPresent

},

hs\_DPCCHInd,

ss\_UL\_DPCCH\_DRX\_Info

)

)

-- set up the UL-DPCCH, hs-DPCCH channel. When UL-DPCCH is established, E-DPCH shall use the same scrambling code. UL DPCCH DRX parameters are provided.

**2. Continue with steps 5 through 11 in clause 8.13.1.1 except for Rel-7 branches if available.**

If DL\_DRX is enabled IE 'ss\_DTX\_Info' shall be provided in E\_AGCH/E\_RGCH/HS\_PDSCH configuration.

If DL\_DRX is enabled IE **'**ss\_DTX\_Info' shall be provided in:

- CMAC\_MAChs\_MACehs\_TFRCconfigure\_REQ when configuring HS\_PDSCH.

For F-DPCH configuration 'ss\_DTX\_Info' shall be provided.

**3. Configure MAC\_e entity for E-DCH**

CMAC\_MACe\_Config\_REQ

(

nodeB\_Id

ddiMappinglist

e\_DCHMacdFlows

connectedToMAC\_es

ss\_DRX\_MAC\_Info

{

mac\_InactivityThreshold,

mac\_dtx\_Cycle\_2ms,

mac\_dtx\_Cycle\_10ms,

timingInfo

}

)

-- MAC\_e entity is created per Node-B

-- the e\_DCHMacdFlows shall be same as that used in CPHY\_TrCH\_Config\_REQ

-- the field connectedToMAC\_es shall be set to TRUE in serving E-DCH cell

-- the field connectedToMAC\_es shall be set to FALSE in inter nodeB SHO

-- ddiMappinglist is defined as

activationTime SS\_ActivationTime

macHeaderManipulation MAC\_HeaderManipulation

logicalChannelIdentity LogicalChannelIdentity

e\_DCH\_MAC\_d\_FlowIdentity E\_DCH\_MAC\_d\_FlowIdentity

ddi DDI

rlc\_PDU\_SizeList RLC\_PDU\_SizeList

mac\_LogicalChannelPriority MAC\_LogicalChannelPriority

logicalChannelType LogicalChannelType

### 8.13.4 E-DCH configuration for enhanced Cell\_FACH uplink (Rel-8 or later)

#### 8.13.4.1 E-DCH configuration at cell creation

**1. Configure UL DPCH physical channel**

CPHY\_RL\_Setup\_REQ (

cellId

physicalChannelIdentity,

setupMessage (

physicalChannelInfo dPCHInfo\_r5 : r8: (

ul\_DPCHInfo UL\_DPCH\_Info\_r7 (

dpcch\_PowerOffset

pc\_Preamble

sRB\_delay

powerControlAlgorithm

deltaACK -- As per TS 34.108[3]

deltaNACK -- As per TS 34.108[3]

ack\_NACK\_repetition\_factor -- As per TS 34.108[3]

harq\_Preamble\_Mode

)

modeSpecificInfo fdd : (

scramblingCodeType

scramblingCode

dpdchPresence = notPresent

)

)

)

)

-- set up the UL-DPCCH without HS-DPCCH channel. When UL-DPCCH is established, E-DPCH shall use the same scrambling code.

**2. Configure E-DCH DL physical channel**

CPHY\_RL\_Setup\_REQ (

cellId

physicalChannelIdentity,

setupMessage (

physicalChannelInfo e\_AGCHInfo : r8 : (

e\_AGCHInfo

tti

e\_AGCH\_PowerOffset

e\_RNTI\_Primary = omit

e\_RNTI\_Secondary = omit

initialServingGrantValue = 4 -- as per TS 34.108[3]

)

)

)

-- setup E-AGCH identified by PhysicalChannelIdentity

-- The tti value shall be the same as the associated E-DPCH

CPHY\_RL\_Setup\_REQ (

cellId

physicalChannelIdentity,

setupMessage (

physicalChannelInfo e\_HICHInfo : (

e\_HICHInfoCommonEDCH

tti

e\_HICH\_PowerOffset

)

)

)

-- setup E-HICH identified by PhysicalChannelIdentity

-- The tti value shall be the same as the associated E-DPCH

CPHY\_RL\_Setup\_REQ (

cellId

physicalChannelIdentity,

setupMessage (

physicalChannelInfo e\_RGCHInfo: (

e\_RGCHInfoCommonEDCH

tti

e\_RGCH\_PowerOffset

)

)

)

-- setup E-RGCH identified by PhysicalChannelIdentity

-- The tti value shall be the same as the associated E-DPCH

**3. Configure E-DCH UL physical channel**

CPHY\_RL\_Setup\_REQ (

cellId

physicalChannelIdentity

setupMessage (

physicalChannelInfo e\_DPCHInfo : r8 :(

e\_DPCCH\_Info

e\_DPDCH\_Info

scramblingCodeType

scramblingCode

tti

edch\_PhysicalLayerCategory

)

)

)

-- setup E-DCH identified by PhysicalChannelIdentity

**4. Configure E-DCH UL transport channels**

CPHY\_TrCH\_Config\_REQ (

cellId

physicalChannelIdentity,

configMessage (

e\_DCHMacd\_CommonFlows

)

)

-- setup the E-DCH transport channel which carries 3 common E-DCH MAC-d flows according to TS 34.108[3].

**5. Mapping E-DCH cells in Node B**

CMAC\_MACi\_NodeB\_CellMapping\_REQ

(

nodeB\_Id

celllist

)

-- setup the mapping between NodeB-Id and E-DCH cells in celllist

-- a common E-DCH cell is mapped to only one NodeB

**6. Configure MAC\_i entity for E-DCH**

CMAC\_MACi\_Config\_REQ (

nodeB\_Id

configMessage setup : commonMac\_i\_r8 : (

lCH\_Mappinglist

e\_DCHMacdFlows

)

)

-- one MAC-i entity is created per Node-B

-- lCH\_Mappinglist includes mapping for UL CCCH and SRB1-4

-- e\_DCHMacdFlows shall be same as provided in e\_DCHMacd\_CommonFlows in CPHY\_TrCH\_Config\_REQ

**7. Configure MAC\_is entity for E-DCH**

**7.1 Mapping for DCCH**

CMAC\_MACis\_Config\_REQ (

cellId = -1

configMessage setup : mACis\_r8 : (

lCHMappinglist -- DCCH mapping list

)

)

-- lCHMappinglist shall be the same as DCCH list provided in CMAC\_MACi\_Config\_REQ

**7.2 Mapping for CCCH**

CMAC\_MACis\_Config\_REQ (

cellId

configMessage setup : mACis\_r8 : (

lCHMappinglist -- CCCH mapping list

)

)

-- lCHMappinglist shall be the same as CCCH list provided in CMAC\_MACi\_Config\_REQ

-- cellId set to the cell on which E-DCH is configured (i.e. it is NOT set to -1)

**8. Configure RLC entities for DCCH and CCCH mapped on E-DCH**

CRLC\_Config\_REQ (

cellId = -1

rB\_Identity,

sS\_rlc\_Info\_r8 r8 : (

sS\_ul\_RLC

sS\_dl\_RLC\_Mode

altE\_bitInterpretation

useSpecialValueOfHEField

)

rB\_LogCH\_Mapping

)

-- setup RLC entities on top of DCCH(tsc\_RB1-4) and CCCH(tsc\_RB0\_EFUL) logical channel which is mapped onto e-MACd flow

#### 8.13.4.2 E-DCH reconfiguration during signalling connection establishment

**1. Receiving RRC Connection Request**

**2. Sending RRC Connection Setup**

**3. Reconfigure E-AGCH**

**3.1 Configure E-RNTI in E-AGCH**

CPHY\_RL\_Modify\_REQ (

cellId

physicalChannelIdentity,

e\_AGCHInfo : r8 : (

e\_AGCHInfo

tti

e\_AGCH\_PowerOffset

e\_RNTI\_Primary

e\_RNTI\_Secondary = omit

)

)

-- E-RNTI is set to the same value as provided to UE in RRC Connection Setup

**3.2 Send a grant to complete collision resolution phase**

CMAC\_MACi\_AG\_REQ (

nodeB\_

cellId

grantType primary

absoluteGrantValue = 31

)

**4. Receiving RRC Connection Setup Complete**

#### 8.13.4.3 E-DCH reconfiguration during radio bearer establishment

**1. Sending Radio Bearer Setup**

-- with condition A29 (to Enhanced CELL\_FACH from Enhanced CELL\_FACH in PS with SRBs mapped on common E-DCH/HS-DSCH)

**2. Reconfigure E-DCH UL transport channels**

CPHY\_TrCH\_Config\_REQ (

cellId

physicalChannelIdentity,

e\_DCHMacd\_CommonFlows

)

-- reconfigure E-DCH transport channel which carries 3 common E-DCH MAC-d flows acc to TS 34.108[3].

**3. Configure MAC\_i entity for E-DCH**

CMAC\_MACi\_Config\_REQ (

nodeB\_Id

configMessage reconfig : commonMac\_i\_r8 : (

lCH\_Mappinglist

e\_DCHMacdFlows

)

)

-- lCH\_Mappinglist includes mapping for UL CCCH/SRB1-4 and DTCN RB25

-- e\_DCHMacdFlows shall be same as that used in CPHY\_TrCH\_Config\_REQ

**4. Configure RLC entity for DTCH mapped on E-DCH**

CRLC\_Config\_REQ (

cellId = -1

rB\_Identity,

sS\_rlc\_Info\_r8 r8 : (

sS\_ul\_RLC

sS\_dl\_RLC\_Mode

)

rB\_LogCH\_Mapping

)

-- setup RLC entity on top of DTCH(tsc\_RB25) logical channel which is mapped onto e-MACd flow

**5. Receiving Radio Bearer Setup Complete**

## 8.14 Guidelines of MBMS implementations

### 8.14.1 MCCH scheduling implementation

The rules for the transmission of MCCH messages are specified in 3GPP TS 34.108 [3], clause 11.1.2. The current clause provides the implementation guidelines.



Figure 8.14.1.1: Segmentation and concatenation of MCCH messages into RLC PDU's

If required in the test, all ACCESS INFORMATION messages of a modification period are sent via RLC\_UM\_ACCESSinfo\_REQ. Each ACCESS INFORMATION message corresponds to an access information period in an ordered way. The ACCESS INFORMATION is transmitted on the 1st TTI of the second access information period of the modification period.

All critical MCCH messages of a modification period are sent via RLC\_UM\_CriticalMCCHMsg\_REQ. The sequence of the critical MCCH messages is segmented and concatenated without padding by a UM RLC entity configured specifically for MCCH. RLC\_UM\_ACCESSinfo\_REQ precedes RLC\_UM\_CriticalMCCHMsg\_REQ, or RLC\_UM\_CriticalMCCHMsg\_REQ can be used alone. The scenarios of RLC\_UM\_ACCESSinfo\_REQ used alone or RLC\_UM\_CriticalMCCHMsg\_REQ preceding RLC\_UM\_ACCESSinfo\_REQ are not applied.

The first RLC SN are always allocated consecutively to ACCESS INFORMATION messages, i.e. from n + 0 onwards as necessary. Then an RLC SN block is consecutively allocated to the critical MCCH messages, saying the last used SN = (n +m)MOD 128 in the current modification period. Renew n to (n + m + 1)MOD 128 for the next modification period.



Figure 8.14.1.2: RLC SN allocation in MCCH scheduling

ACCESS INFORMATION messages within a modification period have different RLC SN. The SN = n + 0 is allocated to the 1st ACCESS INFORMATION message. The critical MCCH messages to be transmitted in the different repetition periods within a modification period have the same RLC SN. RLC SN are incremented across the boundary of two consecutive modification periods without RLC reestablishment. The different RLC SN are allocated to the two consecutive modification periods.

In order to ensure UE can read the first ACCESS INFORMATION message, the message is sent by the TTCN in the second access information period.

### 8.14.2 MSCH scheduling and service data on MTCH

Multiple ordered SCHEDULING INFORMATION messages are sent by using RLC\_UM\_MSCH\_Msg\_REQ. Each SCHEDULING INFORMATION corresponds to a scheduling period, a 'noSend' MSCH\_Message indicates that no MBMS services are scheduled in that scheduling period for all MTCH. The first SCHEDULING INFORMATION message is sent on the scheduledSFN and successively the remaining messages are sent in every scheduling period.

The MBMS service data are fed by RLC\_UM\_TestDataReq. However the real MBMS service transmissions for multiple scheduling periods on each MTCH are controlled by CRLC\_MTCH\_Scheduling\_REQ. Within each scheduling period the information on the discontinuous service transmissions are conveyed through a list of pairs of (start, duration). The IE noServiceData as NULL being provided for a scheduling period indicates no service transmission on that MTCH.

The simulation of the continuous MBMS services is provided if an empty CRLC\_MTCH\_Scheduling\_REQ is sent without scheduling configuration parameter and scheduling information.

RLC\_UM\_MSCH\_Msg\_REQ precedes CRLC\_MTCH\_Scheduling\_REQ and RLC\_UM\_TestDataReq.



Figure 8.14.2: MSCH scheduling and MTCH data transfer

#### 8.14.2.1 Scheduled service data on MTCH without MSCH configured

The scheduled service is a mechanism for synchronization of the initialization of the MBMS services announced on MCCH and the start of transmission the service data on MTCH. The mechanism can also be used at the SS side when MSCH is not configured.

In a PTM test session two separate sequences of critical MCCH messages are transmitted in an order of C4 - C2 or C5 - C3 in two consecutive modification periods. The MBMS MODIFIED SERVICES INFORMATION message in C4/C5 generally does not contain MBMS p-t-m activation time for the UE immediate reception of MBMS services. However, the SS shall not start test data transmission until on the 1st TTI of the next modification period to ensure that the UE can have a nearly full modification period to obtain critical MCCH messages and to apply the configuration required by the test.

Figure 8.14.2.1 illustrates the relationship of the service scheduling on MTCH and the default1 MCCH information scheduling. The SS waits until the 2nd half of the last repetition period in the modification period when the C4 messages are sent before closing test loop. The test data are transmitted on the 1st TTI of the modification period when the C2 messages are sent. The whole test sequence is:

CPHY\_SFN\_REQ, calculating next MICH CFN,

MP n: next MICH CFN set MICH and transmit NI,

MP n+1: next MICH CFN+1 mp set modified services list (C4 or C5), set PTM activation time if necessary,

MP n+2: next MICH CFN+2 mp set unmodified service list and transmit data (C2 or C3).



Figure 8.14.2.1: Synchronized MTCH data sending, no MSCH configured

If the test loop is already closed and the service data is to be sent the ASPs follow the order:

CPHY\_SFN\_REQ, CRLC\_MTCH\_Scheduling\_REQ and RLC\_UM\_TestDataReq.

## 8.15 Cell mapping

Table 8.15 defines the cell identities mapping between 3GPP TS 34.108 [3] and the ATS implementation.

Table 8.15: Cell identities mapping

|  |  |  |
| --- | --- | --- |
| Cell Number in 34.108 | UTRAN ATS  (NOTE) | TTCN-3 LTE I-RAT ATS (NOTE) |
| 1 | 0 | Not Used |
| 2 | 1 | Not Used |
| 3 | 2 | Not Used |
| 4 | 3 | Not Used |
| 5 | 4 | 5 |
| 6 | 5 | Not Used |
| 7 | 6 | 7 |
| 8 | 7 | 8 |
| 9 | 1 | 9 |
| 10 | 2 | Not Used |
| 11 | Not Used | Not Used |
| 21 | 20 | Not Used |
| 22 | 21 | Not Used |
| 23 | 22 | Not Used |
| 24 | 23 | Not Used |
| 25 | 24 | Not Used |
| 26 | 25 | Not Used |
| 27 | 26 | Not Used |
| 28 | 27 | Not Used |
| NOTE: The UTRAN test cases referring to 34.108[3] are using cells 1 to 8; the LTE I-RAT test cases referring to 36.508 [66] are using cells: 5, 7, 8 and 9. | | |

## 8.16 Guidelines for CS voice over HSPA implementation

For PDCP CS voice over HSPA tests, data are scheduled to ensure consistency between CFN and CS counter in downlink and to check CS counter value in uplink. Figure 8.16 provides the ASP sequence, CFN and CS counter handling.



Figure 8.16: ASP sequence for data scheduling in PDCP CS Voice over HSPA tests

Upon reception of data, the ASP RLC\_UM\_ScheduledDataInd includes:

- the CFN on which the data has been received by SS,

- the AMR PDU, including the csCounter in the header

In terms of the CFN and csCounter, the TTCN can check the delay between the received CFN and the csCounter.

## 8.17 Cell Timing

The timing parameters of the cells are defined in Tables 8.17-1 and 8.17-2.

Table 8.17-1: Cell timing parameters for UTRAN test cases

|  |  |  |
| --- | --- | --- |
| UTRAN cells | SFN offset | Tcell value |
| 1 or A | 0 | px\_TcellA |
| 2 or B | 0 | px\_TcellB |
| 3 or C | 0 | px\_TcellC |
| 4 or D | 3000 | px\_TcellD |
| 5 or E | 3000 | px\_TcellE |
| 6 or F | 678 | px\_TcellF |
| 7 or G | 1356 | px\_TcellG |
| 8 or H | 2034 | px\_TcellH |
| NOTE: The first cell created is configured with value 0 | | |

Table 8.17-2: Cell timing parameters for LTE-IRAT test cases

|  |  |  |
| --- | --- | --- |
| UTRAN cells | Tcell value | Comments |
| 5 | 256 | See Note 2 |
| 7 | 512 | See note 2 |
| 8 | 0 |  |
| 9 | 0 |  |
| NOTE 1: SFN offset of all UTRAN cells is set to 0.  NOTE 2: The first cell created is configured with Tcell value 0. | | |

Annex A (normative):  
Abstract Test Suites (ATS)

This annex contains the approved ATSs.

The ATSs have been produced using the Tree and Tabular Combined Notation version 2 (TTCN-2) according to TR 101 666 [27] and using the Testing and Test Control Notation version 3 (TTCN-3) according to ES 201 873-1 [65].

The ATSs were developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the table of contents. Each ATS contains a test suite overview part which provides additional information and references.

# A.1 Version of specifications

Table A.1 shows the version of the test specifications which the delivered ATSs are referred to.

Table A.1: Versions of the test and Core specifications

|  |  |
| --- | --- |
| Core specifications | 3GPP TS 25.331 [21] |
| Test specifications | 3GPP TS 34.123-1 [1] |
| 3GPP TS 34.123-2 [2] |
| 3GPP TS 34.108 [3] |
| 3GPP TS 34.109 [4] |

# A.2 NAS TTCN-2 ATS

The approved NAS test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.2: NAS TTCN test cases

| Test case | Description | FDD | LCR TDD |
| --- | --- | --- | --- |
|  | MM |  |  |
| 9.1 | TMSI reallocation | X | X |
| 9.2.1 | Authentication accepted | X | X |
| 9.2.2 | Authentication rejected | X |  |
| 9.2.3 | Authentication rejected by the UE (MAC code failure) | X | X |
| 9.2.4 | Authentication rejected by the UE (SQN failure) | X | X |
| 9.3.1 | General Identification | X | X |
| 9.4.1 | Location updating / accepted | X | X |
| 9.4.2.1 | Location updating / rejected / IMSI invalid | X |  |
| 9.4.2.2.1 | Location updating / rejected / PLMN not allowed/Test 1 | X |  |
| 9.4.2.2.2 | Location updating / rejected / PLMN not allowed / Test 2 | X |  |
| 9.4.2.3 | Location updating / rejected / location area not allowed | X |  |
| 9.4.2.4.1 | Location updating / rejected / roaming not allowed in this location area / Procedure 1 | X | X |
| 9.4.2.4.2 | Location updating / rejected / roaming not allowed in this location area / Procedure 2 | X |  |
| 9.4.2.4.4 | Location updating / rejected / roaming not allowed in this location area / Procedure 4 | X |  |
| 9.4.2.5 | Location updating / rejected / No Suitable Cells In Location Area | X |  |
| 9.4.3.3 | Location updating / abnormal cases / attempt counter equal to 4 | X |  |
| 9.4.3.5 | Location updating / abnormal cases / Failure due to non-integrity protection | X |  |
| 9.4.4 | Location updating / release / expiry of T3240 | X | X |
| 9.4.5.2 | Location updating / periodic normal / test 1 | X | X |
| 9.4.5.3 | Location updating / periodic normal / test 2 | X |  |
| 9.4.5.4.1 | Location updating / periodic search for HPLMN or higher priority PLMN / UE waits time T | X |  |
| 9.4.5.4.6 | Location updating/periodic search of the higher priority PLMN, VPLMN in a foreign country- List of EPLMN contain HPLMN /UE is in automatic mode | X |  |
| 9.4.7 | Location Updating / accept with replacement or deletion of Equivalent PLMN list | X |  |
| 9.4.8 | Location Updating after UE power off | X |  |
| 9.4.9 | Location Updating / Accept, Interaction between Equivalent PLMNs and Forbidden PLMNs | X |  |
| 9.5.2 | MM connection / establishment in security mode | X | X |
| 9.5.4 | MM connection / establishment rejected | X | X |
| 9.5.5 | MM connection / establishment rejected cause 4 | X | X |
| 9.5.7.1 | MM connection / abortion by the network / cause #6 | X |  |
| 9.5.7.2 | MM connection / abortion by the network / cause not equal to #6 | X |  |
|  | CC |  |  |
| 10.1.2.1.1 | Outgoing call / U0 null state / MM connection requested | X | X |
| 10.1.2.2.1 | Outgoing call / U0.1 MM connection pending / CM service rejected | X | X |
| 10.1.2.2.2 | Outgoing call / U0.1 MM connection pending / CM service accepted | X | X |
| 10.1.2.2.3 | Outgoing call / U0.1 MM connection pending / lower layer failure | X | X |
| 10.1.2.3.1 | Outgoing call / U1 call initiated / receiving CALL PROCEEDING | X | X |
| 10.1.2.3.2 | Outgoing call / U1 call initiated / rejecting with RELEASE COMPLETE | X | X |
| 10.1.2.3.3 | Outgoing call / U1 call initiated / T303 expiry | X | X |
| 10.1.2.3.7 | Outgoing call / U1 call initiated / unknown message received | X | X |
| 10.1.2.4.3 | Outgoing call / U3 Mobile originating call proceeding / PROGRESS received without in band information | X | X |
| 10.1.2.4.4 | Outgoing call / U3 Mobile originating call proceeding / PROGRESS with in band information | X | X |
| 10.1.2.4.6 | Outgoing call / U3 Mobile originating call proceeding / DISCONNECT without in band tones | X | X |
| 10.1.2.4.7 | Outgoing call / U3 Mobile originating call proceeding / RELEASE received | X | X |
| 10.1.2.4.8 | Outgoing call / U3 Mobile originating call proceeding / termination requested by the user | X | X |
| 10.1.2.4.9 | Outgoing call / U3 Mobile originating call proceeding / traffic channel allocation | X | X |
| 10.1.2.4.10 | Outgoing call / U3 Mobile originating call proceeding / timer T310 time-out | X | X |
| 10.1.2.5.1 | Outgoing call / U4 call delivered / CONNECT received | X |  |
| 10.1.2.5.2 | Outgoing call / U4 call delivered / termination requested by the user | X | X |
| 10.1.2.5.5 | Outgoing call / U4 call delivered / RELEASE received | X | X |
| 10.1.2.6.2 | U10 active / RELEASE received | X | X |
| 10.1.2.6.3 | U10 active / DISCONNECT with in band tones | X | X |
| 10.1.2.6.6 | U10 active / SETUP received | X | X |
| 10.1.2.7.1 | U11 disconnect request / clear collision | X | X |
| 10.1.2.7.2 | U11 disconnect request / RELEASE received | X | X |
| 10.1.2.7.3 | U11 disconnect request / timer T305 time-out | X | X |
| 10.1.2.9.1 | Outgoing call / U19 release request / timer T308 time-out | X | X |
| 10.1.3.3.1 | Incoming call / U9 mobile terminating call confirmed / alerting or immediate connecting | X | X |
| 10.1.3.3.2 | Incoming call / U9 mobile terminating call confirmed / DTCH assignment | X | X |
| 10.1.3.3.4 | Incoming call / U9 mobile terminating call confirmed / DISCONNECT received | X | X |
| 10.1.3.4.1 | Incoming call / U7 call received / call accepted | X | X |
| 10.1.3.5.6 | Incoming call / U8 connect request / RELEASE received | X | X |
|  | Session Management |  |  |
| 11.1.1.1 | Attach initiated by context activation/QoS Offered by Network is the QoS Requested | X | X |
| 11.3.1 | PDP context deactivation initiated by the UE | X | X |
| 11.3.2 | PDP context deactivation initiated by the network | X | X |
|  | GPRS Mobility Management |  |  |
| 12.2.1.1 | PS attach / accepted | X | X |
| 12.2.1.2 | PS attach / rejected / IMSI invalid / illegal UE | X | X |
| 12.2.1.3 | PS attach / rejected / IMSI invalid / PS services not allowed | X | X |
| 12.2.1.4 Proc 1 | PS attach / rejected / PLMN not allowed / test procedure 1 | X |  |
| 12.2.1.4 Proc 2 | PS attach / rejected / PLMN not allowed / test procedure 2 | X |  |
| 12.2.1.5a Proc 1 | PS attach / rejected / roaming not allowed in this location area / test procedure 1 | X | X |
| 12.2.1.5a Proc 2 | PS attach / rejected / roaming not allowed in this location area / test procedure 2 | X | X |
| 12.2.1.5b | PS attach / rejected / No Suitable Cells In Location Area | X | X |
| 12.2.1.5d | PS attach / rejected / PS services not allowed in this PLMN | X | X |
| 12.2.1.6 Proc 1 | PS attach / abnormal cases / access barred due to access class control / test procedure 1 | X | X |
| 12.2.1.6 Proc 2 | PS attach / abnormal cases / access barred due to access class control / test procedure 2 | X | X |
| 12.2.1.7 | PS attach / abnormal cases / change of cell into new routing area | X | X |
| 12.2.1.10 | PS attach / abnormal cases / Failure due to non-integrity protection | X | X |
| 12.2.1.11 | PS attach / accepted / follow-on request pending indicator set | X | X |
| 12.2.2.1 | Combined PS attach / PS and non-PS attach accepted | X | X |
| 12.2.2.5 | Combined PS attach / rejected / PS services and non-PS services not allowed | X |  |
| 12.3.1.1 | PS detach / power off / accepted | X | X |
| 12.3.1.2 | PS detach / accepted | X | X |
| 12.3.1.5 | PS detach / power off / accepted / PS/IMSI detach | X | X |
| 12.3.2.1 | PS detach / re-attach not required / accepted | X | X |
| 12.3.2.7 | PS detach / rejected / Roaming not allowed in this location area | X | X |
| 12.3.2.8.Proc 1 | PS detach / rejected / PS services not allowed in this PLMN/ test1 | X |  |
| 12.4.1.1a | Routing area updating / accepted | X | X |
| 12.4.1.1b | Routing area updating / accepted / Signalling connection re-establishment | X | X |
| 12.4.1.2 | Routing area updating / rejected / IMSI invalid / illegal ME | X | X |
| 12.4.1.3 | Routing area updating / rejected / UE identity cannot be derived by the network | X | X |
| 12.4.1.4a | Routing area updating / rejected / location area not allowed | X |  |
| 12.4.1.4b | Routing area updating / rejected / No Suitable Cells In Location Area | X |  |
| 12.4.1.4c Proc 1 | Routing area updating / rejected / PS services not allowed in this PLMN | X | X |
| 12.4.1.4c Proc 2 | Routing area updating / rejected / PS services not allowed in this PLMN | X |  |
| 12.4.1.4d Proc 1 | Routing area updating / rejected / Roaming not allowed in this location area / test 1 | X | X |
| 12.4.1.4d Proc 2 | Routing area updating / rejected / Roaming not allowed in this location area / test 2 | X |  |
| 12.4.1.5 | Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes | X | X |
| 12.4.2.1 | Combined routing area updating / combined RA/LA accepted | X | X |
| 12.4.2.2 | Combined routing area updating / UE in CS operation at change of RA | X | X |
| 12.4.2.4 | Combined routing area updating / rejected / PLMN not allowed | X |  |
| 12.4.2.5a Proc 1 | Combined routing area updating / rejected / roaming not allowed in this location area / test procedure 1 | X |  |
| 12.4.2.5a.Proc 2 | Combined routing area updating / rejected / roaming not allowed in this location area / test procedure 2 | X | X |
| 12.4.2.6 Proc 1 | Combined routing area updating / abnormal cases / access barred due to access class control / test procedure 1 | X |  |
| 12.4.2.6.Proc 2 | Combined routing area updating / abnormal cases / access barred due to access class control / test procedure 2 | X |  |
| 12.4.3.1 | Periodic routing area updating / accepted | X | X |
| 12.4.3.4 | Periodic routing area updating / no cell available | X | X |
| 12.5 | P-TMSI reallocation | X | X |
| 12.6.1.1 | Authentication accepted | X | X |
| 12.6.1.2 | Authentication rejected - by the network | X | X |
| 12.6.1.3.1 | GMM cause 'MAC failure | X | X |
| 12.6.1.3.2 | GMM cause 'Synch failure' | X | X |
| 12.6.1.3.3 | Authentication rejected by the UE / fraudulent network | X |  |
| 12.7.1 | General Identification | X | X |
| 12.9.1 | Service Request Initiated by UE Procedure | X | X |
| 12.9.2 | Service Request Initiated by Network Procedure | X | X |
| 12.9.3 | Service Request / rejected / Illegal MS | X | X |
| 12.9.4 | Service Request / rejected / PS services not allowed | X | X |
| 12.9.6 | Service Request / rejected / PLMN not allowed | X | X |
| 12.9.7a | Service Request / rejected / No PDP context activated | X | X |
| 12.9.7b | Service Request / rejected / No Suitable Cells In Location Area | X | X |
| 12.9.7c | Service Request / rejected / Roaming not allowed in this location area | X | X |
| 12.9.8 | Service Request / Abnormal cases / Access barred due to access class control | X | X |
| 12.9.9 | Service Request / Abnormal cases / Routing area update procedure is triggered | X | X |
| 12.9.12 | Service Request / RAB re-establishment / UE initiated / Single PDP context | X |  |
| 12.9.13 | Service Request / RAB re-establishment / UE initiated / multiple PDP contexts | X |  |
| 12.9.14 | Service Request / RAB re-establishment / Network initiated / single PDP context | X | X |
|  | General Tests |  |  |
| 13.2.1.1 | Emergency call / with USIM / accept case | X | X |
| 13.2.2.1 | Emergency call / without USIM / accept case | X | X |
| 13.2.2.2 | Emergency call / without USIM / reject case | X | X |

## A.2.1 Void

## A.2.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (NAS.MP) which accompanies the present document.

# A.3 SMS TTCN-2 ATS

The approved SMS test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.3: SMS TTCN test cases

|  |  |  |  |
| --- | --- | --- | --- |
| Test case | Description | FDD | LCR TDD |
| 16.1.1 | SMS on CS mode / SMS mobile terminated | X | X |
| 16.1.2 | SMS on CS mode / SMS mobile originated | X | X |
| 16.1.9.1 | SMS on CS mode / Multiple SMS mobile originated / UE in idle mode | X | X |
| 16.1.9.2 | SMS on CS mode / Multiple SMS mobile originated / UE in active mode | X | X |
| 16.1.10 | SMS on CS mode / Test of capabilities of simultaneously receiving a short message whilst sending a mobile originated short message | X |  |
| 16.2.1 | SMS on PS mode / SMS mobile terminated | X | X |
| 16.2.2 | SMS on PS mode / SMS mobile originated | X | X |
| 16.2.10 | SMS on PS mode / Test of capabilities of simultaneously receiving a short message whilst sending a mobile originated short message | X |  |
| 16.3 | Short message service cell broadcast | X |  |

## A.3.1 Void

## A.3.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (SMS.MP) which accompanies the present document.

# A.4 RRC TTCN-2 ATS

The approved RRC test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.4: RRC TTCN test cases

| Test case | Description | FDD | LCR TDD |
| --- | --- | --- | --- |
|  | Single Cell |  |  |
| 6.1.1.4 | PLMN selection of RPLMN, HPLMN, UPLMN and OPLMN; Automatic mode | X |  |
| 6.1.1.5 | PLMN selection of "Other PLMN / access technology combinations"; Automatic mode | X |  |
| 6.1.1.7 | Cell reselection of ePLMN in manual mode | X |  |
| 6.1.2.1 | Cell reselection | X |  |
| 6.1.2.1a | Cell reselection for inter-band operation | X |  |
| 6.1.2.2 | Cell reselection using Qhyst, Qoffset and Treselection | X |  |
| 6.1.2.3 | HCS Cell reselection | X |  |
| 6.1.2.4 | HCS Cell reselection using reselection timing parameters for the H criterion | X |  |
| 6.1.2.5 | HCS Cell reselection using reselection timing parameters for the R criterion | X |  |
| 6.1.2.6 | Emergency calls | X |  |
| 6.1.2.8 | Cell reselection: Equivalent PLMN | X |  |
| 6.1.2.9a | Cell reselection using cell status and cell reservations – Type "A" USIM | X |  |
| 6.1.2.9b | Cell reselection using cell status and cell reservations – Type "B" USIM | X |  |
| 8.1.1.1 | RRC / Paging for Connection in idle mode | X | X |
| 8.1.1.2 | RRC / Paging for Connection in connected mode (CELL\_PCH) | X | X |
| 8.1.1.3 | R RRC / Paging for Connection in connected mode (URA\_PCH) | X | X |
| 8.1.1.4 | RRC / Paging for notification of BCCH modification in idle mode | X | X |
| 8.1.1.5 | RRC / Paging for notification of BCCH modification in connected mode (CELL\_PCH) | X | X |
| 8.1.1.6 | RRC / Paging for notification of BCCH modification in connected mode (URA\_PCH) | X |  |
| 8.1.1.7 | RRC / Paging for connection in connected mode (CELL\_DCH) | X | X |
| 8.1.1.8 | RRC / Paging for Connection in connected mode (CELL\_FACH) | X | X |
| 8.1.1.9 | RRC / Paging for Connection in idle mode (multiple paging records) | X |  |
| 8.1.1.10 | RRC / Paging for Connection in connected mode (URA\_PCH, multiple paging records) | X |  |
| 8.1.2.1 | RRC / RRC Connection Establishment in CELL\_DCH state: Success | X | X |
| 8.1.2.2 | RRC / RRC Connection Establishment: Success after T300 timeout | X |  |
| 8.1.2.3 | RRC / RRC Connection Establishment: Failure (V300 is greater than N300) | X |  |
| 8.1.2.4 | RRC / RRC Connection Establishment: Reject ("wait time" is not equal to 0) | X | X |
| 8.1.2.7 | RRC Connection Establishment in CELL\_FACH state: Success | X | X |
| 8.1.2.9 | RRC / RRC Connection Establishment: Success after Physical channel failure and Invalid configuration | X | X |
| 8.1.2.10 | RRC / Radio Bearer Establishment for transition from CELL\_DCH to CELL\_FACH (Frequency band modification): Success | X | X |
| 8.1.2.10a | RRC connection establishment in CELL\_DCH on another frequency in a different frequency band | X |  |
| 8.1.2.11 | RRC Connection Establishment in FACH state (Frequency band modification): Success | X |  |
| 8.1.2.21 | RRC Connection Establishment: Reject with Frequency Info set to the same frequency band – Successful case | X |  |
| 8.1.2.21a | RRC Connection Establishment: Reject with Frequency Info set to a different frequency band – Successful case | X |  |
| 8.1.2.22 | RRC Connection Establishment: Reject with Frequency Info set to the same frequency band – Unsuccessful case | X |  |
| 8.1.2.22a | RRC Connection Establishment: Reject with Frequency Info set to a different frequency band – Unsuccessful case | X |  |
| 8.1.3.1 | RRC / RRC Connection Release in CELL\_DCH state: Successful | X | X |
| 8.1.3.3 | RRC / RRC Connection Release using on CCCH in CELL\_FACH state: Failure | X | X |
| 8.1.3.4 | RRC / RRC Connection Release in CELL\_FACH state: Failure | X |  |
| 8.1.3.5 | RRC / RRC Connection Release in CELL\_FACH state: Invalid message | X |  |
| 8.1.3.9 | RRC Connection Release in CELL\_DCH state (Network Authentication Failure): Success | X |  |
| 8.1.5.1 | RRC / UE Capability in CELL\_DCH state: Success | X | X |
| 8.1.5.4 | RRC / UE Capability in CELL\_FACH state: Success | X | X |
| 8.1.6.1 | Direct Transfer in CELL\_DCH state (invalid message reception and no signalling connection exists) | X | X |
| 8.1.6.3 | Measurement Report on INITIAL DIRECT TRANSFER message and UPLINK DIRECT TRANSFER message | X |  |
| 8.1.7.1 | Security mode command in CELL\_DCH state (CS Domain) | X |  |
| 8.1.7.1b | Security mode command in CELL\_DCH state (PS Domain) | X |  |
| 8.1.7.1c | Security mode control in CELL\_DCH state (CN Domain switch and new keys at RRC message sequence number wrap around) | X |  |
| 8.1.7.1d | Security mode control in CELL\_DCH state interrupted by a cell update | X |  |
| 8.1.7.2 | RRC / Security mode control in CELL\_FACH state | X |  |
| 8.1.9 | RRC / Signalling Connection Release Indication | X | X |
| 8.1.10.1 | Dynamic change of segmentation, concatenation & scheduling and handling of unsupported information blocks | X |  |
| 8.1.12 | RRC / Radio Bearer Establishment for transition from CELL\_FACH to CELL\_DCH: Failure (Physical channel Failure and successful reversion to old configuration) | X | X |
| 8.2.1.1 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success | X | X |
| 8.2.1.4 | RRC / Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Failure (Physical channel Failure and successful reversion to old configuration) | X | X |
| 8.2.1.7 | RRC / Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Failure (Invalid message reception and invalid configuration) | X | X |
| 8.2.1.8 | RRC / Radio Bearer Establishment for transition from CELL\_DCH to CELL\_FACH: Success | X | X |
| 8.2.1.9 | RRC / Radio Bearer Establishment for transition from CELL\_DCH to CELL\_FACH: Success (Cell re-selection) | X | X |
| 8.2.1.10 | RRC / Radio Bearer Establishment for transition from CELL\_DCH to CELL\_FACH (Frequency band modification): Success | X | X |
| 8.2.1.24 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH (Frequency band modification): Success | X | X |
| 8.2.1.24a | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH (Inter band handover): Success | X |  |
| 8.2.1.33 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (Unsynchronised RL Reconfiguration) | X |  |
| 8.2.1.34 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (Unsynchronised RL Reconfiguration with frequency modification) | X |  |
| 8.2.1.34a | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (Unsynchronised RL Reconfiguration with inter band handover) | X |  |
| 8.2.2.1 | RRC / Radio Bearer Reconfiguration (Hard Handover) from CELL\_DCH to CELL\_DCH: Success | X | X |
| 8.2.2.4 | RRC / Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Failure (Physical channel failure and reversion failure) | X | X |
| 8.2.2.7 | RRC / Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (stop and continue) | X | X |
| 8.2.2.8 | RRC / Radio Bearer Reconfiguration from CELL\_DCH to CELL\_FACH: Success | X | X |
| 8.2.2.9 | RRC / Radio Bearer Reconfiguration from CELL\_DCH to CELL\_FACH: Success (Cell re-selection) | X | X |
| 8.2.2.10 | RRC / Radio Bearer Reconfiguration from CELL\_FACH to CELL\_DCH: Success | X |  |
| 8.2.2.11 | Radio Bearer Reconfiguration from CELL\_FACH to CELL\_DCH: Failure (Unsupported configuration) | X | X |
| 8.2.2.17 | RRC / Radio Bearer Reconfiguration from CELL\_FACH to CELL\_FACH: Success | X | X |
| 8.2.2.18 | RRC / Radio Bearer Reconfiguration from CELL\_FACH to CELL\_FACH: Success (Cell re-selection) | X |  |
| 8.2.2.19 | RRC / Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (Subsequently received) | X | X |
| 8.2.2.23 | RRC / Radio Bearer Reconfiguration from CELL\_FACH to CELL\_PCH: Success | X | X |
| 8.2.2.31 | Radio Bearer Reconfiguration for transition from CELL\_FACH to CELL\_DCH (Frequency band modification): Success | X |  |
| 8.2.2.35 | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_FACH: Successful channel switching with multiple PS RABs established | X |  |
| 8.2.2.43 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Seamless SRNS relocation, without pending of ciphering, frequency band modification) | X |  |
| 8.2.3.1 | Radio Bearer Release for transition from CELL\_DCH to CELL\_DCH: Success | X | X |
| 8.2.3.7 | RRC / Radio Bearer Release for transition from CELL\_DCH to CELL\_FACH: Success | X | X |
| 8.2.3.8 | RRC / Radio Bearer Release for transition from CELL\_DCH to CELL\_FACH: Success (Cell re‑selection) | X |  |
| 8.2.3.9 | RRC / Radio Bearer Release for transition from CELL\_FACH to CELL\_DCH: Success | X | X |
| 8.2.3.11 | RRC / Radio Bearer Release for transition from CELL\_FACH to CELL\_DCH: Failure (Physical channel failure and successful reversion to old configuration) | X | X |
| 8.2.3.15 | RRC / Radio Bearer Release for transition from CELL\_FACH to CELL\_FACH: Success | X | X |
| 8.2.3.18 | RRC / Radio Bearer Release from CELL\_DCH to CELL\_PCH: Success | X | X |
| 8.2.3.19 | RRC / Radio Bearer Release from CELL\_DCH to URA\_PCH: Success | X | X |
| 8.2.3.29 | Radio Bearer Release for transition from CELL\_DCH to CELL\_DCH: Associated with signalling connection release during multi call for PS and CS services | X | X |
| 8.2.4.1 | Transport channel reconfiguration (Timing re- initialised hard handover with transmission rate modification) from CELL\_DCH to CELL\_DCH: Success | X |  |
| 8.2.4.1a | Transport channel reconfiguration (Transmission Rate Modification) from CELL\_DCH to CELL\_DCH of the same cell: Success | X |  |
| 8.2.4.3 | RRC / Transport channel reconfiguration from CELL\_DCH to CELL\_DCH: Failure (Physical channel failure and reversion to old configuration) | X | X |
| 8.2.4.4 | Transport channel reconfiguration from CELL\_DCH to CELL\_DCH: Failure (Physical channel failure and cell reselection) | X |  |
| 8.2.4.4a | Transport channel reconfiguration from CELL\_DCH to CELL\_DCH: Failure (Physical channel failure and cell reselection) (1.28 Mcps TDD Only) |  | X |
| 8.2.4.10 | RRC / Transport channel reconfiguration from CELL\_FACH to CELL\_DCH: Success | X |  |
| 8.2.4.10a | Transport channel reconfiguration from CELL\_FACH to CELL\_DCH: Success(1.28 Mcps TDD Only) |  | X |
| 8.2.6.1 | RRC / Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH (Hard handover for code modification): Success | X | X |
| 8.2.6.2 | RRC / Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH (Hard handover for code modification): Failure (Unsupported configuration) | X | X |
| 8.2.6.7 | RRC / Physical channel reconfiguration for transition from CELL\_DCH to CELL\_FACH: Success | X | X |
| 8.2.6.8 | RRC / Physical channel reconfiguration for transition from CELL\_DCH to CELL\_FACH: Success (Cell re-selection) | X | X |
| 8.2.6.9 | RRC / Physical channel reconfiguration for transition from CELL\_FACH to CELL\_DCH: Success | X | X |
| 8.2.6.11 | RRC / Physical channel reconfiguration for transition from CELL\_FACH to CELL\_DCH: Failure (Physical channel failure and successful reversion to old configuration) | X | X |
| 8.2.6.12 | RRC / Physical channel reconfiguration for transition from CELL\_FACH to CELL\_DCH: Failure (Physical channel failure and cell re-selection) | X | X |
| 8.2.6.19 | RRC / Physical channel reconfiguration from CELL\_DCH to CELL\_PCH: Success | X | X |
| 8.2.6.20 | RRC / Physical channel from CELL\_DCH to URA\_PCH: Success | X | X |
| 8.2.6.37 | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH (Hard handover to another frequency with timing re-initialised) | X |  |
| 8.2.6.37b | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH (Hard handover to another frequency band cell with timing re-initialised) | X |  |
| 8.2.6.38 | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH (Hard handover to another frequency with timing re-initialised): Failure (Physical channel failure and reversion to old channel) | X |  |
| 8.2.6.39 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Seamless SRNS relocation) (without pending of ciphering) | X |  |
| 8.2.6.44 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Failure (Radio link failure in new configuration) | X |  |
| 8.3.1.1 | RRC / Cell Update: cell reselection in CELL\_FACH | X |  |
| 8.3.1.1a | Cell Update: cell reselection in CELL\_FACH (Cells belong to different frequency bands) | X |  |
| 8.3.1.2 | RRC / Cell Update: cell reselection in CELL\_PCH | X | X |
| 8.3.1.3 | RRC / Cell Update: periodical cell update in CELL\_FACH | X |  |
| 8.3.1.4 | RRC / Cell Update: periodical cell update in CELL\_PCH | X |  |
| 8.3.1.5 | RRC / Cell Update: UL data transmission in URA\_PCH | X | X |
| 8.3.1.6 | RRC / Cell Update: UL data transmission in CELL\_PCH | X | X |
| 8.3.1.9 | RRC / Cell Update: re-entering of service area after T305 expiry and being out of service area | X |  |
| 8.3.1.10 | RRC / Cell Update: expiry of T307 after T305 expiry and being out of service area | X |  |
| 8.3.1.11 | RRC / Cell Update: Success after T302 time-out | X |  |
| 8.3.1.12 | RRC / Cell Update: Failure (After Maximum Re-transmissions) | X |  |
| 8.3.1.15 | RRC / Cell Update: Unrecoverable error in Acknowledged Mode RLC | X |  |
| 8.3.1.17 | RRC / Cell Update: Failure (UTRAN initiate an RRC connection release procedure on CCCH) | X | X |
| 8.3.1.18 | RRC / Cell Update: Radio Link Failure (T314>0, T315=0), CS RAB established | X |  |
| 8.3.1.21 | Cell Update: Cell reselection to cell of another PLMN belonging to the equivalent PLMN list | X |  |
| 8.3.1.22 | Cell update: Restricted cell reselection to a cell belonging to forbidden LA list (Cell\_FACH) | X |  |
| 8.3.1.23 | Cell Update: HCS cell reselection in CELL\_FACH | X |  |
| 8.3.1.24 | Cell Update: HCS cell reselection in CELL\_PCH | X |  |
| 8.3.1.25 | CELL UPDATE: Radio Link Failure (T314=0, T315=0) | X | X |
| 8.3.1.30 | Cell Update: Radio Link Failure (T314>0, T315>0), PS RAB | X |  |
| 8.3.1.31 | Cell Update: re-entering of service area from URA\_PCH after T316 expiry but before T317 expiry | X |  |
| 8.3.2.1 | RRC / URA Update: Change of URA | X | X |
| 8.3.2.1a | URA Update: Change of URA (Cells belong to different frequency bands) | X |  |
| 8.3.2.2 | RRC / URA Update: Periodical URA update and Reception of Invalid message | X |  |
| 8.3.2.4 | RRC / URA Update: loss of service after expiry of timers T307 after T306 | X |  |
| 8.3.2.7 | RRC / URA Update: Success after T303 timeout | X |  |
| 8.3.2.9 | RRC / URA Update: Failure ( UTRAN initiate an RRC connection release procedure on CCCH ) | X |  |
| 8.3.2.11 | URA Update: Cell reselection to cell of another PLMN belonging to the equivalent PLMN list | X |  |
| 8.3.2.12 | Restricted cell reselection to a cell belonging to forbidden LA list (URA\_PCH) | X |  |
| 8.3.2.13 | URA Update: Change of URA due to HCS Cell Reselection | X |  |
| 8.3.3.1 | RRC / UTRAN Mobility Information: Success | X | X |
| 8.3.4.1 | RRC / Active set update in soft handover: Radio Link addition | X |  |
| 8.3.4.2 | RRC / Active set update in soft handover: Radio Link removal | X |  |
| 8.3.4.3 | RRC / Active set update in soft handover: Combined radio link addition and removal | X |  |
| 8.3.4.8 | Active set update in soft handover: Radio Link addition in multiple radio link environment | X |  |
| 8.4.1.1 | Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL\_DCH state | X |  |
| 8.4.1.1a | 'Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL\_DCH state (TDD) |  | X |
| 8.4.1.2 | RRC / Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL\_DCH state | X |  |
| 8.4.1.2a | Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL\_DCH state (TDD) |  | X |
| 8.4.1.2b | Measurement Control and Report: Inter-band measurement for transition from idle mode to CELL\_DCH state (FDD) | X |  |
| 8.4.1.3 | RRC / Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL\_FACH state | X |  |
| 8.4.1.3a | Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL\_FACH state (TDD) |  | X |
| 8.4.1.5 | RRC / Measurement Control and Report: Intra-frequency measurement for transition from CELL\_DCH to CELL\_FACH state | X |  |
| 8.4.1.5a | Measurement Control and Report: Intra-frequency measurement for transition from CELL\_DCH to CELL\_FACH state (TDD) |  | X |
| 8.4.1.6 | RRC / Measurement Control and Report: Inter- frequency measurement for transition from CELL\_DCH to CELL\_FACH state | X |  |
| 8.4.1.6a | Measurement Control and Report: Inter-frequency measurement for transition from CELL\_DCH to CELL\_FACH state (TDD) |  | X |
| 8.4.1.7 | RRC / Measurement Control and Report: Intra- frequency measurement for transition from CELL\_FACH to CELL\_DCH state | X |  |
| 8.4.1.8 | Measurement Control and Report: Inter-frequency measurement for transition from CELL\_FACH to CELL\_DCH state (FDD) | X |  |
| 8.4.1.8a | Measurement Control and Report: Inter-frequency measurement for transition from CELL\_FACH to CELL\_DCH state (TDD) |  | X |
| 8.4.1.14 | RRC / Measurement Control and Report: Cell forbidden to affect reporting range | X |  |
| 8.4.1.16 | Measurement Control and Report: Traffic volume measurement for transition from idle mode to CELL\_FACH state | X | X |
| 8.4.1.17 | RRC / Measurement Control and Report: Traffic volume measurement for transition from idle mode to CELL\_DCH state | X | X |
| 8.4.1.18 | RRC / Measurement Control and Report: Traffic volume measurement for transition from CELL\_FACH state to CELL\_DCH state | X |  |
| 8.4.1.19 | RRC / Measurement Control and Report: Traffic volume measurement for transition from CELL\_DCH to CELL\_FACH state | X |  |
| 8.4.1.23 | RRC / Measurement Control and Report: Intra-frequency measurement for events 1C and 1D | X |  |
| 8.4.1.24 | RRC / Measurement Control and Report: Inter-frequency measurement for event 2A | X | X |
| 8.4.1.24a | Measurement Control and Report: Inter-band measurement for event 2A | X |  |
| 8.4.1.25 | RRC / Measurement Control and Report: Inter-frequency measurement for events 2B and 2E | X |  |
| 8.4.1.25a | Measurement Control and Report: Inter-band measurement for events 2B and 2E | X |  |
| 8.4.1.26 | RRC / Measurement Control and Report: Inter-frequency measurement for events 2D and 2F | X |  |
| 8.4.1.27 | RRC / Measurement Control and Report: UE internal measurement for events 6A and 6B | X |  |
| 8.4.1.28 | Measurement Control and Report: UE internal measurement for events 6F (FDD) and 6G | X |  |
| 8.4.1.29 | RRC / Measurement Control and Report: Event based Traffic Volume measurement in CELL\_FACH state | X |  |
| 8.4.1.30 | RRC / Measurement Control and Report: Event based Traffic Volume measurement in CELL\_DCH state | X |  |
| 8.4.1.37 | Measurement Control and Report: UE internal measurement, event 6c | X |  |
| 8.4.1.38 | Measurement Control and Report: UE internal measurement, event 6d | X |  |
| 8.4.1.41 | Measurement Control and Report: Additional Measurements list | X |  |
| 8.4.1.42 | Measurement Control and Report: Change of Compressed Mode Method | X |  |

## A.4.1 Void

## A.4.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (RRC.MP) which accompanies the present document.

# A.5 RLC TTCN-2 ATS

The approved RLC test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.5: RLC TTCN test cases

|  |  |  |  |
| --- | --- | --- | --- |
| Test case | Description | FDD | LCR TDD |
| 7.2.2.3 | UM RLC / Segmentation / 7-bit Length Indicators / Padding | X |  |
| 7.2.2.4 | UM RLC / Segmentation / 7-bit Length Indicators / LI = 0 | X |  |
| 7.2.2.5 | UM RLC / Segmentation / 7-bit Length Indicators / Invalid LI value | X |  |
| 7.2.2.6 | UM RLC / Segmentation / 7-bit Length Indicators / LI value > PDU | X |  |
| 7.2.2.7 | UM RLC / Segmentation / 7-bit Length Indicators / First data octet LI | X |  |
| 7.2.3.4 | AM RLC / Segmentation / 7-bit Length Indicators / LI = 0 | X | X |
| 7.2.3.5 | AM RLC / Segmentation / 7-bit Length Indicators / Reserved LI value | X | X |
| 7.2.3.6 | AM RLC / Segmentation / 7-bit Length Indicators / LI value > PDU | X | X |
| 7.2.3.12 | AM RLC / Correct use of Sequence Numbering | X | X |
| 7.2.3.13 | AM RLC / Control of Transmit Window | X | X |
| 7.2.3.14 | AM RLC / Control of Receive Window | X |  |
| 7.2.3.15 | AM RLC / Polling for status / Last PU in transmission queue | X | X |
| 7.2.3.16 | AM RLC / Polling for status / Last PU in retransmission queue | X | X |
| 7.2.3.17 | AM RLC / Polling for status / Poll every Poll\_PU PUs | X | X |
| 7.2.3.18 | AM RLC / Polling for status / Poll every Poll\_SDU SDUs | X | X |
| 7.2.3.19 | AM RLC / Polling for status / Timer triggered polling (Timer\_Poll\_Periodic) | X |  |
| 7.2.3.20 | AM RLC / Polling for status / Polling on Poll\_Window of transmission window | X | X |
| 7.2.3.21 | AM RLC / Polling for status / Operation of Timer\_Poll timer / Timer expiry | X |  |
| 7.2.3.22 | AM RLC / Polling for status / Operation of Timer\_Poll timer / Stopping Timer\_Poll timer | X | X |
| 7.2.3.23 | AM RLC / Polling for status / Operation of Timer\_Poll timer / Restart of the Timer\_Poll timer | X |  |
| 7.2.3.24 | AM RLC / Polling for status / Operation of timer Timer\_Poll\_Prohibit | X |  |
| 7.2.3.25 | AM RLC / Receiver Status Triggers / Detection of missing PUs | X |  |
| 7.2.3.26 | AM RLC / Receiver Status Triggers / Operation of timer Timer\_Status\_Periodic | X | X |
| 7.2.3.27 | AM RLC / Receiver Status Triggers / Operation of timer Timer\_Status\_Prohibit | X |  |
| 7.2.3.28 | AM RLC / Status reporting / Abnormal conditions / Reception of LIST SUFI with Length set to zero | X | X |
| 7.2.3.32 | AM RLC / SDU discard after MaxDAT number of retransmissions | X |  |
| 7.2.3.33 | AM RLC / Operation of the RLC Reset procedure / UE Originated | X |  |
| 7.2.3.34 | AM RLC / Operation of the RLC Reset procedure / UE Terminated | X | X |
| 7.2.3.35 | AM RLC / Reconfiguration of RLC parameters by upper layers | X |  |

## A.5.1 Void

## A.5.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (RLC.MP) which accompanies the present document.

# A.6 MAC TTCN-2 ATS

The approved MAC test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.6: MAC TTCN test cases

|  |  |  |  |
| --- | --- | --- | --- |
| Test case | Description | FDD | LCR TDD |
| 7.1.1.1 | CCCH mapped to RACH/FACH / Invalid TCTF | X | X |
| 7.1.1.2 | DTCH or DCCH mapped to RACH/FACH / Invalid TCTF | X | X |
| 7.1.1.3 | DTCH or DCCH mapped to RACH/FACH / Invalid C/T Field | X | X |
| 7.1.1.4 | DTCH or DCCH mapped to RACH/FACH / Invalid UE ID Type Field | X | X |
| 7.1.1.5 | DTCH or DCCH mapped to RACH/FACH / Incorrect UE ID | X | X |
| 7.1.1.8 | DTCH or DCCH mapped to DCH / Invalid C/T Field | X | X |
| 7.1.2.3.1 | Correct Selection of RACH parameters (FDD) | X |  |
| 7.1.2.4a | Access Service class selection for RACH transmission | X |  |
| 7.1.3.1 | Priority handling between data flows of one UE | X | X |
| 7.1.3.2 | TFC Selection | X |  |

## A.6.1 Void

## A.6.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (MAC.MP) which accompanies the present document.

# A.7 BMC TTCN-2 ATS

Table A.7: BMC TTCN test cases

|  |  |
| --- | --- |
| Test case | Description |
| - | - |

## A.7.1 Void

## A.7.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS is contained in an ASCII file (BMC.MP) which accompanies the present document.

# A.8 PDCP TTCN-2 ATS

Table A.8: PDCP TTCN test cases

|  |  |
| --- | --- |
| Test case | Description |
| - | - |

## A.8.1 Void

## A.8.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS is contained in an ASCII file (PDCP.MP) which accompanies the present document.

# A.9 RAB TTCN-2 ATS

The approved RAB test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.9: RAB TTCN test cases

| Test case | Description | FDD | LCR TDD |
| --- | --- | --- | --- |
| 14.2.4 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.4a | Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.5a | Conversational / speech / UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.7a | Conversational / speech / UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.9 | Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.12 | Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.13.1 | Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI | X |  |
| 14.2.13.2 | Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI | X |  |
| 14.2.14.1 | Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI | X |  |
| 14.2.14.2 | Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI | X |  |
| 14.2.15 | Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.16 | Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.17 | Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.23a.1 | Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.23a.2 | Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / TC | X |  |
| 14.2.23b | Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.23c | Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.26 | Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.27 | Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.28 | Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.29 | Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH | X |  |
| 14.2.31.1 | Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH /10 ms TTI | X |  |
| 14.2.32.1 | Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 10 ms TTI | X |  |
| 14.2.32.2 | Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 20 ms TTI | X |  |
| 14.2.34.1 | Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI | X |  |
| 14.2.38a | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:0 DL:0 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.38b | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.38c | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.38e | Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:0 DL:0 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.38f | Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.40 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH | X |  |
| 14.2.41 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.43.1 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI | X |  |
| 14.2.43.2 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI | X |  |
| 14.2.49.1 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI | X |  |
| 14.2.51.1 | Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.51a.1 | Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:8 DL:8 kbps / PS RAB | X |  |
| 14.2.51b.1 | Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:16 DL:64 kbps / PS RAB | X |  |
| 14.2.57 | Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.2.58 | Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH. | X |  |
| 14.2.58a | Streaming / unknown / UL:16 DL:128 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH. | X |  |
| 14.4.2.1 | One SCCPCH: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH | X |  |
| 14.4.2.2 | Two SCCPCHs: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH | X |  |
| 14.4.2.3 | One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH | X |  |
| 14.4.2a.1 | One SCCPCH: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH | X |  |
| 14.4.2a.2 | Two SCCPCHs: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB | X |  |
| 14.4.2a.3 | One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH | X |  |
| 14.4.3 | Interactive/Background 32 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH | X |  |
| 14.4.4 | RB for CTCH + SRB for CCCH +SRB for BCCH | X |  |
| 18.1.2.4 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH |  | X |
| 18.1.2.6 | Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH |  | X |
| 18.1.2.7 | Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH |  | X |
| 18.1.2.13.1 | Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI |  | X |
| 18.1.2.13.2 | Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI |  | X |
| 18.1.2.15 | Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH |  | X |
| 18.1.2.26 | Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH |  | X |
| 18.1.2.27 | Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH |  | X |
| 18.1.2.32.1 | Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI |  | X |

## A.9.1 Void

## A.9.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (RAB.MP) which accompanies the present document.

# A.10 IR\_U TTCN-2 ATS

The approved IR\_U test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.10: InterRat TTCN test cases

| Test case | Description | FDD | LCR\_TDD |
| --- | --- | --- | --- |
| 6.2.1.1 | Selection of the correct PLMN and associated RAT | X |  |
| 6.2.1.2a | Selection of RAT for HPLMN; Different ITU regions; Manual mode | X |  |
| 6.2.1.6 | Selection of RAT for HPLMN; Automatic mode | X |  |
| 6.2.1.7 | Selection of RAT for UPLMN; Automatic mode | X |  |
| 6.2.1.8 | Selection of RAT for OPLMN; Automatic mode | X |  |
| 6.2.1.8a.1 | Selection of RAT for OPLMN; Different ITU regions; Automatic mode | X |  |
| 6.2.1.8a.2 | Selection of RAT for OPLMN; Different ITU regions; Limited service; Automatic mode | X |  |
| 6.2.1.8a.3 | Selection of RAT for OPLMN; Different ITU regions; No service; Automatic mode | X |  |
| 6.2.1.9 | Selection of "Other PLMN / access technology combinations"; Automatic mode | X |  |
| 6.2.2.1 | Cell reselection if cell becomes barred or S<0; UTRAN to GSM | X |  |
| 6.2.2.2 | Cell reselection if cell becomes barred or C1<0; GSM to; UTRAN | X |  |
| 6.2.2.3 | Cell reselection timings; GSM to UTRAN | X |  |
| 8.1.2.12 | RRC Connection Establishment: Reject with interRATInfo is set to GSM | X |  |
| 8.1.2.13 | RRC Connection Establishment: Reject with InterRATInfo is set to GSM and selection to the designated system fails | X |  |
| 8.3.7.1 | Inter system handover from UTRAN/To GSM/Speech/Success | X |  |
| 8.3.7.2 | Inter system handover from UTRAN/To GSM/Data/Same data rate/Success | X |  |
| 8.3.7.3 | Inter system handover from UTRAN/To GSM/Data/Data rate down grading/Success | X |  |
| 8.3.7.4 | Inter system handover from UTRAN/To GSM/Speech/Establishment/Success | X |  |
| 8.3.7.5 | Inter system handover from UTRAN/To GSM/Speech/Failure | X |  |
| 8.3.7.7 | Inter system handover from UTRAN/To GSM/Speech/Failure (L1 Synchronization) | X |  |
| 8.3.7.9 | Inter system handover from UTRAN/To GSM/Speech/Failure (Unsupported configuration) | X |  |
| 8.3.7.12 | Inter system handover from UTRAN/To GSM/Speech/Failure (Physical channel Failure and Reversion Failure) | X |  |
| 8.3.7.13 | Inter system handover from UTRAN/To GSM/ success / call under establishment | X |  |
| 8.3.7.16 | Inter system handover from UTRAN/To GSM/Simultaneous CS and PS domain services/Success/TBF Establishment Success | X |  |
| 8.3.7.17 | Inter system handover from UTRAN/To GSM/DTM Support/Simultaneous CS and PS domain services/Success | X |  |
| 8.3.9.1 | Cell reselection if cell becomes barred or S<0; UTRAN to GPRS (CELL\_FACH) | X |  |
| 8.3.9.3 | Cell reselection fails if S<0; UTRAN to GPRS (CELL\_FACH) | X |  |
| 8.3.9.5 | Cell Reselection with RAU - Qoffset value modification; UTRAN to GPRS (CELL\_FACH) | X |  |
| 8.3.11.1 | Cell change order from UTRAN/To GPRS/CELL\_DCH/Success | X |  |
| 8.3.11.4 | Cell change order from UTRAN/To GPRS/CELL\_DCH/Failure (Physical channel & Reversion Failure) | X |  |
| 8.4.1.31 | RRC / Measurement Control and Report: Inter-RAT measurement in CELL\_DCH state | X |  |
| 8.4.1.33 | Measurement Control and Report: Inter-RAT measurement, event 3a | X |  |
| 8.4.1.34 | Measurement Control and Report: Inter-RAT measurement, event 3b | X |  |
| 8.4.1.35 | Measurement Control and Report: Inter-RAT measurement, event 3c | X |  |
| 8.4.1.36 | Measurement Control and Report: Inter-RAT measurement, event 3d | X |  |
| 8.4.1.40 | Measurement Control and Report: Inter-RAT measurement event 3C in CELL\_DCH state using sparse compressed mode pattern | X |  |
| 8.4.1.48 | Measurement Control and Report: Combined Inter-frequency measurement for event 2b and Inter-RAT measurement, event 3a (FDD) | X |  |
| 12.8 | GMM READY timer handling | X |  |

## A.10.1 Void

## A.10.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (IR\_U.MP) which accompanies the present document.

# A.11 AGPS TTCN-2 ATS

The approved AGPS test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.11: AGPS TTCN test cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | | Description | FDD | LCR\_TDD |
| TS 34.123-3 | TS  37.571-2 |
| 17.2.2.1 | 6.1.1.1 | LCS Network Induced location request/ UE-Based GPS/ Emergency Call / with USIM | X |  |
| 17.2.2.2 | 6.1.1.2 | LCS Network Induced location request/ UE-Based GPS/ Emergency Call / without USIM | X |  |
| 17.2.2.3 | 6.1.1.3 | LCS Network induced location request/ UE-Assisted GPS/ Emergency call/ With USIM | X |  |
| 17.2.2.4 | 6.1.1.4 | LCS Network induced location request/ UE-Assisted GPS/ Emergency call/ Without USIM | X |  |
| 17.2.3.2 | 6.1.2.1 | LCS Mobile originated location request/ UE-Based GPS/ Position estimate request/ Success | X |  |
| 17.2.3.9 | 6.1.2.7 | LCS Mobile originated location request/ UE-Based GPS/ Position estimate request/ Failure | X |  |
| 17.2.4.1 | 6.1.3.1 | LCS Mobile terminated location request/ UE-Based GPS | X |  |
| 17.2.4.2 | 6.1.3.2 | LCS Mobile-terminated location request/UE-Based GPS/ Request for additional assistance data/ Success | X |  |
| 17.2.4.3 | 6.1.3.3 | LCS Mobile-terminated location request/UE-Based GPS/ Failure – Not Enough Satellites | X |  |
| 17.2.4.4 | 6.1.3.4 | LCS Mobile terminated location request/ UE-Assisted GPS/ Success | X |  |
| 17.2.4.5 | 6.1.3.5 | LCS Mobile terminated location request/ UE-Assisted GPS/ Request for additional assistance data/ Success | X |  |
| 17.2.4.7 | 6.1.3.7 | LCS Mobile terminated location request/ UE-Based GPS/ Privacy Verification/ Location Not Allowed if No Response | X |  |

NOTE: Test cases in the ATS are numbered following TS 34.123-1[1]; the prose descriptions can be found in TS 37.571-2 [63] under the indicated test case number.

## A.11.1 Void

## A.11.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (AGPS.MP) which accompanies the present document.

# A.12 HSD\_ENH TTCN-2 ATS

The approved HSD\_ENH test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.12: HSDPA and Rel-5 enhancement TTCN test cases

| Test case | Description | FDD | LCR\_TDD |
| --- | --- | --- | --- |
| 6.1.2.10 | HCS inter-frequency cell reselection | X |  |
| 6.1.2.10a | HCS inter-frequency cell reselection for inter-band operation | X |  |
| 7.1.5.1 | MAC-hs reordering and stall avoidance | X |  |
| 7.1.5.2 | MAC-hs priority queue handling | X |  |
| 7.1.5.3 | MAC-hs PDU header handling | X |  |
| 7.1.5.4 | MAC-hs retransmissions | X |  |
| 7.1.5.5 | MAC-hs reset | X |  |
| 7.1.5.6 | MAC-hs transport block size selection | X |  |
| 8.1.1.6a | Paging for notification of synchronised BCCH modification in idle mode using BCCH modification time | X |  |
| 8.1.2.14 | RRC Connection Establishment using the default configuration for 3.4 kbps signalling bearers | X |  |
| 8.1.2.15 | RRC Connection Establishment using the default configuration for 13.6 kbps signalling bearers | X |  |
| 8.1.6.5 | Initial Direct Transfer: Inclusion of establishment cause | X |  |
| 8.2.1.27 | RRC / Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (two radio links, start of HS-DSCH reception) | X |  |
| 8.2.1.28 | RRC/Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (RB mapping for both DL DCH and HS-DSCH in cell without HS-DSCH support) | X | X |
| 8.2.1.29 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialized hard handover to another frequency, uplink TFCS restriction and start of HS-DSCH reception) | X | X |
| 8.2.1.30 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialised hard handover to another frequency, start of HS-DSCH reception) | X | X |
| 8.2.1.31 | Radio Bearer Establishment for transition from CELL\_FACH to CELL\_DCH: Success (start of HS-DSCH reception) | X | X |
| 8.2.1.32 | Radio Bearer Establishment for transition from CELL\_FACH to CELL\_DCH: Success (start of HS-DSCH reception with frequency modification) | X | X |
| 8.2.2.36 | RRC / Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Start and stop of HS-DSCH reception) | X |  |
| 8.2.2.38 | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (with active HS-DSCH reception) | X | X |
| 8.2.2.39 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialised hard handover to another frequency, start and stop of HS-DSCH reception) | X | X |
| 8.2.2.40 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_FACH and from CELL\_FACH to CELL\_DCH: Success (frequency band modification, start and stop of HS-DSCH reception) | X | X |
| 8.2.2.41 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Start and stop of HS-DSCH reception, during an active CS bearer) | X | X |
| 8.2.2.42 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialised hard handover to another frequency, start and stop of HS-DSCH reception, during an active CS bearer) | X | X |
| 8.2.2.50 | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (from speech to speech plus PS data with modification of downlink spreading factor) | X |  |
| 8.2.3.30 | RRC / Radio Bearer Release for transition from CELL\_DCH to CELL\_DCH: Success (stop of HS-DSCH reception) | X | X |
| 8.2.3.31 | Radio Bearer Release for transition from CELL\_DCH to CELL\_DCH: Success (With active HS-DSCH reception) | X |  |
| 8.2.3.32 | Radio Bearer Release for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialised hard handover to another frequency, with active HS-DSCH reception) | X | X |
| 8.2.3.33 | Radio Bearer Release for transition from CELL\_DCH to CELL\_DCH: Success (stop of HS-DSCH reception with frequency modification) | X | X |
| 8.2.3.34 | Radio Bearer Release for transition from CELL\_DCH to CELL\_FACH: Success (stop of HS-DSCH reception with frequency modification) | X | X |
| 8.2.3.35 | Radio Bearer Release for transition from CELL\_DCH to CELL\_PCH: Success (stop of HS-DSCH reception) | X | X |
| 8.2.4.36 | Transport Channel Reconfiguration from CELL\_DCH to CELL\_DCH: Success (with active HS-DSCH reception, not changing the value of TTI during UL rate modification) | X |  |
| 8.2.6.39a | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (serving HS-DSCH cell change without MAC-hs reset) | X |  |
| 8.2.6.39b | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (serving HS-DSCH cell change with MAC-hs reset) | X | X |
| 8.2.6.40 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Two radio links, change of HS-PDSCH configuration) | X |  |
| 8.2.6.40a | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (change of HS-PDSCH configuration) |  | X |
| 8.2.6.41 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialised hard handover to another frequency, signalling only) | X |  |
| 8.2.6.42 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialized hard handover to another frequency, Serving HS-DSCH cell change) | X | X |
| 8.2.6.46 | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH (Hard handover to another frequency with timing re-initialised. Serving HS-DSCH cell change): Failure (Physical channel failure and reversion to old channel) | X | X |
| 8.2.6.48 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialized hard handover to another frequency, serving HS-DSCH cell change, compressed mode) | X |  |
| 8.2.6.49 | Physical Channel Reconfiguration from CELL\_DCH to URA\_PCH: Success (stop of HS-DSCH reception) | X | X |
| 8.3.1.32 | Cell Update: Transition from URA\_PCH to CELL\_DCH, start of HS-DSCH reception | X | X |
| 8.3.1.33 | Cell Update: Transition from CELL\_PCH to CELL\_DCH, start of HS-DSCH reception, frequency band modification | X |  |
| 8.3.1.34 | Cell Update: Transition from CELL\_DCH to CELL\_FACH, stop of HS-DSCH reception | X | X |
| 8.3.1.35 | Cell Update: Transition from CELL\_DCH to CELL\_DCH, with active HS-DSCH reception | X | X |
| 8.3.1.36 | Cell Update: Transition from CELL\_DCH to CELL\_FACH (stop of HS-DSCH reception with frequency modification) | X | X |
| 8.3.1.37 | Cell Update: Transition from CELL\_DCH to CELL\_DCH (with active HS-DSCH reception and frequency modification) | X | X |
| 8.3.1.38 | Cell Update: state specific handling of Treselection and Qhyst for cell reselection in CELL\_FACH | X |  |
| 8.3.1.39 | Cell Update: state specific handling of Treselection and Qhyst for cell reselection in CELL\_PCH | X |  |
| 8.3.1.40 | Cell update: Transition from CELL\_PCH to CELL\_DCH, inclusion of establishment cause | X |  |
| 8.3.4.9 | Active set update in soft handover: Radio Link removal (stop of HS-PDSCH reception) | X |  |
| 8.3.7.14 | Inter system handover from UTRAN/To GSM/Speech/Success (stop of HS-DSCH reception) | X |  |
| 8.3.11.9 | Inter-RAT Cell Change Order from UTRAN to GPRS/CELL\_DCH/Success (stop of HS-DSCH reception) | X |  |
| 8.3.11.10 | Inter-RAT Cell Change Order from UTRAN to GPRS/CELL\_DCH/Failure (Physical channel Failure, stop of HS-DSCH reception) | X |  |
| 8.3.11.12 | Inter-RAT cell change order from UTRAN/To GPRS/CELL\_DCH/Network Assisted Cell Change/Success | X |  |
| 8.3.11.13 | Inter-RAT cell change order from UTRAN/To GPRS/CELL\_DCH/Failure (T309 expiry) | X |  |
| 8.4.1.47 | Measurement Control and Report: Event triggered periodic measurement for event 1B (FDD) | X |  |
| 11.1.1.1a | Attach initiated by context activation/QoS Offered by Network is the QoS Requested/Correct handling of QoS extensions for rates above 8640 kbps | X |  |
| 14.2.4b | Conversational / speech / UL:(12.2 7.4 5.9 4.75) DL:(12.2 7.4 5.9 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH | X |  |
| 14.2.62 | Conversational / speech / UL:(12.65 8.85 6.6) DL:(12.65 8.85 6.6) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH. | X |  |
| 14.6.1 | Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.1a | Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.2 | Interactive or background / UL:384 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.3 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.3a | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: 64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.4 | Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.4a | Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.5 | Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.5a | Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.6 | Streaming / unknown / UL:128 DL: [min 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.7 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.6.8 | Conversational / speech / UL:(12.65 8.85 6.6) DL:(12.65 8.85 6.6) kbps / CS RAB + Interactive or Background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH | X |  |
| 16.3a | Short message service cell broadcast Discontinuous Reception (DRX) | X |  |

## A.12.1 Void

## A.12.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (HSD\_ENH.MP) which accompanies the present document.

# A.13 HSU\_ENH TTCN-2 ATS

The approved HSU\_ENH test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.13: EDCH and Rel-6 enhancement TTCN test cases

| Test case | Description | FDD | LCR\_TDD |
| --- | --- | --- | --- |
| 6.1.1.8 | PLMN selection in shared network environment, Automatic mode | X |  |
| 6.1.1.9 | PLMN selection in shared network environment, Manual Mode | X |  |
| 6.1.2.11 | Cell reselection in shared network environment | X |  |
| 6.2.1.10 | Selection of PLMN and RAT in shared network environment, Automatic mode | X |  |
| 6.2.1.11 | Selection of PLMN and RAT in shared network environment, Manual Mode | X |  |
| 6.2.2.4 | Cell reselection in multi-mode shared network environment | X |  |
| 6.2.2.5 | Cell reselection using SIB18; UTRAN to GSM | X |  |
| 7.1.6.1.1 | MAC-es/e multiplexing without RRC restrictions | X |  |
| 7.1.6.1.2 | MAC-es/e multiplexing with RRC restrictions | X |  |
| 7.1.6.1.3 | Correct settings of MAC-es/e header fields | X |  |
| 7.1.6.2.1 | Correct settings of MAC-es/e scheduling information | X |  |
| 7.1.6.2.2 | Happy bit setting | X |  |
| 7.1.6.2.3 | MAC-es/e non-scheduled transmissions | X |  |
| 7.1.6.2.4 | MAC-es/e correct handling of scheduled transmissions when absolute grant varies | X |  |
| 7.1.6.2.5 | MAC-es/e de-activation and re-activation of HARQ processes | X |  |
| 7.1.6.2.6 | MAC-es/e correct handling of relative grants | X |  |
| 7.1.6.2.7 | MAC-es/e correct handling of absolute grants on Primary and Secondary E-RNTI | X |  |
| 7.1.6.2.8 | MAC-es/e combined non-scheduled and scheduled transmissions | X |  |
| 7.1.6.2.9 | MAC-es/e Correct handling of HARQ profile power offsets | X |  |
| 7.1.6.2.10 | MAC-es/e Correct handling of minimum set of E-TFCI | X |  |
| 7.1.6.3.1 | MAC-es/e E-TFC priority | X |  |
| 7.1.6.3.2 | MAC-es/e transport block size selection/ UL QPSK | X |  |
| 7.1.6.4.1 | MAC-es/e process handling | X |  |
| 7.1.6.4.2 | MAC-es/e maximum number of retransmissions | X |  |
| 7.1.6.4.3 | MAC-es/e Correct handling of MAC-es/e reset | X |  |
| 8.1.1.11 | Paging for Connection in idle mode (Shared Network Environment) | X |  |
| 8.1.2.16 | RRC Connection Establishment / Domain Specific Access Control: Success | X |  |
| 8.1.2.17 | RRC Connection Establishment for transition from Idle Mode to CELL\_DCH: Success (start of E-DCH transmission) | X |  |
| 8.1.2.18 | RRC Connection Establishment using the default configuration for HS-DSCH / E-DCH signalling bearers | X |  |
| 8.2.1.35 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (start of E-DCH transmission) | X |  |
| 8.2.1.36 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (hard handover to another frequency, start of E-DCH transmission) | X |  |
| 8.2.1.36a | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH using F-DPCH: Success (hard handover to another frequency, start of E-DCH transmission, F-DPCH configured) | X |  |
| 8.2.2.44 | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (With active E-DCH transmission) | X |  |
| 8.2.2.44a | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (With active E-DCH transmission, F-DPCH configured) | X |  |
| 8.2.2.45 | Radio Bearer Reconfiguration for transition from CELL\_FACH to CELL\_DCH and CELL\_DCH to CELL\_FACH: Success (start and stop of E-DCH transmission) | X |  |
| 8.2.2.46 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (hard handover to another frequency, start and stop of E-DCH transmission) | X |  |
| 8.2.2.47 | Radio Bearer Reconfiguration for transition from CELL\_FACH to CELL\_DCH and CELL\_DCH to CELL\_FACH: Success (frequency modification, start and stop of E-DCH transmission) | X |  |
| 8.2.2.47a | Radio Bearer Reconfiguration for transition from CELL\_FACH to CELL\_DCH and CELL\_DCH to CELL\_FACH: Success (frequency modification, start and stop of E-DCH transmission, F-DPCH Configured) | X |  |
| 8.2.2.48 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Start and stop of E-DCH transmission) | X |  |
| 8.2.2.49 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_PCH: Success (stop of E-DCH transmission) | X |  |
| 8.2.3.36 | Radio Bearer Release for transition from CELL\_DCH to CELL\_DCH: Success (frequency modification, stop of E-DCH transmission) | X |  |
| 8.2.6.50 | Physical Channel Reconfiguration for transition from CELL\_DCH to URA\_PCH: Success (frequency modification, stop of E-DCH transmission) | X |  |
| 8.2.6.51 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (serving E-DCH cell change) | X |  |
| 8.2.6.52 | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialized hard handover to another frequency, Serving E-DCH cell change, compressed mode) | X |  |
| 8.2.6.54 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Failure (Timing re-initialized hard handover, Serving E-DCH cell change, physical channel failure and reversion to old channel) | X |  |
| 8.3.1.41 | Cell Update: Transition from URA\_PCH to CELL\_DCH: Success (start of E-DCH transmission) | X |  |
| 8.3.1.42 | Cell Update: Transition from CELL\_PCH to CELL\_DCH: Success (frequency modification, start of E-DCH transmission) | X |  |
| 8.3.1.42a | Cell Update: Transition from CELL\_PCH to CELL\_DCH: Success (frequency modification, start of E-DCH transmission, F-DPCH Configured) | X |  |
| 8.3.1.43 | Cell Update: Radio Link Failure, with active E-DCH transmission | X |  |
| 8.3.3.4 | UTRAN Mobility Information: Shared Network | X |  |
| 8.3.4.10 | Active set update in soft handover: Radio Link addition and serving HS-DSCH / E-DCH cell change | X |  |
| 8.3.7.1a | Inter system handover from UTRAN/To GSM/Speech/Success with A5/3 ciphering | X |  |
| 8.3.11.14 | Inter-RAT Cell Change Order from UTRAN to GPRS/CELL\_DCH/Success (stop of E-DCH transmission) | X |  |
| 8.4.1.49 | Measurement Control and Report: Intra-frequency measurement for event 1J | X |  |
| 9.4.3.6 | Location updating /abnormal cases / CS domain is changed from barred to unbarred because of domain specific access control | X |  |
| 9.5.9 | MM connection / abnormal cases / CS domain barred because of domain specific access control | X |  |
| 12.2.1.12 | PS attach / abnormal cases / access barred due to domain specific access restriction for PS domain | X |  |
| 12.4.2.11 | Combined routing area updating / abnormal cases / access barred due to domain specific access restriction for CS domain | X |  |
| 12.4.2.12 | Combined routing area updating / abnormal cases / access barred due to domain specific access restriction for PS domain | X |  |
| 12.9.15 | Service Request / abnormal cases / access barred due to domain specific access restriction for PS domain | X |  |
| 14.7.1 | Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH on DCH | X |  |
| 14.7.2 | Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH | X |  |
| 14.7.3 | Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH | X |  |
| 14.7.4 | Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | X |  |
| 14.7.5 | Streaming or interactive or background / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH | X |  |
| 14.7.6 | Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: :[max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH | X |  |
| 14.7.7 | Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: :[max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH | X |  |
| 14.7.8 | Conversational / speech / UL:(12.65 8.85 6.6) DL:(12.65 8.85 6.6) kbps / CS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH | X |  |

## A.13.1 Void

## A.13.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (HSU\_ENH.MP) which accompanies the present document.

# A.14 MBMS TTCN-2 ATS

The approved MBMS test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.14: MBMS and Rel-6 enhancement TTCN test cases

| Test case | Description | FDD | LCR\_TDD |
| --- | --- | --- | --- |
| 7.2.4.2 | MTCH duplicate avoidance and reordering / MBMS Broadcast Service | X |  |
| 7.2.4.3 | MCCH Out Of Sequence Delivery handling / MBMS Broadcast Service | X |  |
| 8.5.1.2 | MBMS PTP Session Start at MCCH Notification in CELL\_PCH / MBMS Selected Service | X |  |
| 8.5.1.3 | MBMS PTM Session Start at MCCH Acquisition in CELL\_FACH state / MBMS Broadcast Service | X |  |
| 8.5.1.4 | MBMS PTM Session Start at MCCH Notification in CELL\_DCH state / MBMS Broadcast Service | X |  |
| 8.5.1.5 | MBMS PTM Session Start at MCCH Acquisition in CELL\_DCH (for a non-MBMS service) when entering into an MBMS cell (UE capable of MBMS p-t-m reception in CELL\_DCH) / MBMS Broadcast Service | X |  |
| 8.5.1.9 | MBMS PTM Session Start at MCCH Notification in Idle Mode / MBMS Broadcast Service | X |  |
| 8.5.1.11 | MBMS PTP Session Start at MCCH Notification in Idle Mode / MBMS Selected Service | X |  |
| 8.5.1.12 | MBMS PTP Session Start at MCCH Notification in URA\_PCH / MBMS Selected Service | X |  |
| 8.5.1.13 | MBMS PTP Session Start at MCCH Notification in CELL\_FACH / MBMS Selected Service | X |  |
| 8.5.2.2 | MBMS PTM Session Reconfiguration – Transfer Mode Change to PTP / MBMS Selected Service | X |  |
| 8.5.2.3 | MBMS PTP Session Reconfiguration - Transfer mode change to PTM / MBMS Selected Service | X |  |
| 8.5.2.4 | MBMS PTM Session Reconfiguration – MTCH data rate change / MBMS Broadcast Service | X |  |
| 8.5.3.1 | MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in Idle mode / MBMS Selected Service | X |  |
| 8.5.3.2 | MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in CELL\_PCH / MBMS Broadcast Service | X |  |
| 8.5.3.3 | MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in CELL\_FACH / MBMS Broadcast Service | X |  |
| 8.5.4.1 | Transmission of the MBMS Selected Services Information when entering RRC connected mode and CELL\_DCH state / MBMS Selected Service | X |  |
| 8.5.4.2 | Modification of the MBMS Selected Services list whilst in URA\_PCH & Cell\_FACH / MBMS Selected Service | X |  |
| 8.5.4.3 | Testing of the MBMS Selected Services indication from the network whilst in CELL\_DCH / MBMS Selected Service | X |  |
| 8.5.5.1 | MBMS Counting in Idle Mode / MBMS Selected Service | X |  |
| 8.5.5.2 | MBMS Counting in CELL\_FACH / MBMS Selected Service | X |  |
| 8.5.5.3 | MBMS No Counting in CELL\_DCH / MBMS Selected Service | X |  |
| 8.5.5.4 | MBMS Counting in CELL\_PCH / MBMS Selected Service | X |  |
| 8.5.5.7 | RRC Connection establishment for MBMS Counting :Success after T318 Timeout/ MBMS Selected Service | X |  |
| 8.5.5.8 | RRC Connection establishment for MBMS Counting :Success after MAC Layer Failure Indication/ MBMS Selected Service | X |  |
| 8.5.6.1 | MBMS Controlling Cell Change - Idle mode - Frequency Layer Convergence – HCS Not Used / MBMS Selected Service | X |  |
| 11.8.2 | MBMS Service Request procedure collision with Routing Area Update/ MBMS Selected Service | X |  |
| 12.9.16 | MBMS SERVICE REQUEST / counting / MBMS Selected Service | X |  |
| 12.9.17 | MBMS SERVICE REQUEST / point to point RBs / MBMS Selected Service | X |  |
| 14.4.5 | 64.8kbps RB for MTCH with 80 ms TTI / MBMS Broadcast Service | X |  |
| 14.4.6 | 129.6 kbps RB for MTCH with 80 ms TTI / MBMS Broadcast Service | X |  |
| 14.4.7 | 259.2 kbps RB for MTCH with 40 ms TTI / MBMS Broadcast Service | X |  |
| 14.6.9 | Streaming MBMS PTP / unknown / UL:16 DL: [max bit rate depending on UE category] kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / MBMS Selected Service | X |  |
| 14.6.10 | Streaming MBMS PTP / unknown / UL:16 DL: [max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / MBMS Selected Service | X |  |

## A.14.1 Void

## A.14.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is not any more included in the present document.

# A.15 HSPA7\_ENH TTCN-2 ATS

The approved HSPA7\_ENH test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.15: HSPA and Rel-7 enhancement TTCN test cases

| Test case | Description | FDD | LCR\_TDD |
| --- | --- | --- | --- |
| 6.1.1.12 | Displaying EHPLMNs in manual mode | X |  |
| 6.1.1.13 | PLMN selection of RPLMN or (E)HPLMN; Automatic mode | X |  |
| 6.1.1.14 | Network selection mode at switch-on | X |  |
| 6.1.1.15 | Exception in manual network selection mode when HPLMN is available at power-on | X |  |
| 7.1.5a.1 | MAC-ehs multiplexing / multiple logical channels on same queue | X |  |
| 7.1.5a.2 | MAC-ehs multiplexing / multiple logical channels on multiple queues | X |  |
| 7.1.5a.3 | MAC-ehs segmentation / UE handling of partial and full PDUs | X |  |
| 7.1.5a.4 | MAC-ehs reordering and stall avoidance | X |  |
| 7.1.5a.5.2 | MAC-ehs transport block size selection / QPSK and 16QAM | X |  |
| 7.1.5a.5.3 | MAC-ehs transport block size selection / 64QAM | X |  |
| 7.1.5a.6 | UE Identification on HS-PDSCH in CELL\_FACH | X |  |
| 7.1.5a.7 | HARQ retransmissions without ACK/NACK signalling in CELL\_FACH | X |  |
| 7.1.6.2.11 | MAC-es/e correct handling of absolute and relative grants in discontinuous downlink reception operation | X |  |
| 7.1.6.3.2a | MAC-es/e transport block size selection/UL 16QAM | X |  |
| 7.1.6.3.3 | Impact on E-TFCI selection on MAC at UE for UL DRX at Node B/ MAC Inactivity Threshold>1 | X |  |
| 7.1.6.3.4 | Impact on E-TFCI selection on MAC at UE for UL DRX at Node B/ MAC Inactivity Threshold =1 | X |  |
| 7.2.2.14 | Flexible handling of RLC PDU sizes for UM RLC in downlink | X |  |
| 7.2.3.36 | Flexible handling of RLC PDU sizes for AM RLC | X |  |
| 8.1.1.5a | Paging on HS-DSCH for notification of BCCH modification in CELL\_PCH | X |  |
| 8.1.1.12 | Paging for Connection in connected mode (CELL\_PCH) without HS-SCCH | X |  |
| 8.1.2.19 | RRC Connection Establishment for transition from Idle Mode to CELL\_DCH: Success (start of E-DCH transmission) | X |  |
| 8.1.2.20 | RRC Connection Establishment for transition from Idle Mode to CELL\_FACH: Success (Start of HS-DSCH Reception) | X |  |
| 8.1.7.3 | Security mode command in CELL\_DCH state (UEA2/UIA2, CS Domain) | X |  |
| 8.1.7.3b | Security mode command in CELL\_DCH state (UEA2/UIA2, PS Domain) | X |  |
| 8.1.7.3c | Security mode control in CELL\_DCH state (UEA2/UIA2, CN Domain switch and new keys at RRC message sequence number wrap around) | X |  |
| 8.1.7.3d | Security mode control in CELL\_DCH state interrupted by a cell update (UEA2/UIA2) | X |  |
| 8.1.7.4 | Security mode command in CELL\_FACH state (UEA2/UIA2) | X |  |
| 8.1.10.2 | BCCH Mapping on HS-DSCH for Transmitting System Information Change Indication | X |  |
| 8.2.1.38 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (start of discontinuous uplink transmission) | X |  |
| 8.2.1.39 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (start of HS-SCCH less operation) | X |  |
| 8.2.1.40 | Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success (hard handover to another frequency, start of discontinuous uplink transmission) | X |  |
| 8.2.2.43a | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Seamless SRNS relocation, UEA2/UIA2, without pending of ciphering, frequency modification) | X |  |
| 8.2.2.43b | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Seamless SRNS relocation, change of ciphering and integrity protection algorithms, frequency modification) | X |  |
| 8.2.2.51 | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (With active discontinuous uplink transmission) | X |  |
| 8.2.2.52 | Radio Bearer Reconfiguration for transition from CELL\_FACH to CELL\_DCH and CELL\_DCH to CELL\_FACH: Success (start and stop of discontinuous uplink transmission) | X |  |
| 8.2.2.53 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (hard handover to another frequency, start and stop of discontinuous uplink transmission) | X |  |
| 8.2.2.54 | Radio Bearer Reconfiguration for transition from CELL\_FACH to CELL\_DCH and CELL\_DCH to CELL\_FACH: Success (frequency modification, start and stop of discontinuous uplink transmission) | X |  |
| 8.2.2.55 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Start and stop of discontinuous uplink transmission) | X |  |
| 8.2.2.56 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_PCH: Success (stop of discontinuous uplink transmission) | X |  |
| 8.2.2.57 | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (Reconfiguration between fixed and flexible AM RLC, Serving HS-DSCH cell change between MAC-hs and MAC-ehs) | X |  |
| 8.2.2.59 | Radio Bearer Reconfiguration from Cell FACH ( Cell supporting HS-DSCH in Cell FACH) to CELL\_FACH( Cell not supporting HS-DSCH in Cell FACH): Success (Cell re-selection) | X |  |
| 8.2.2.60 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_FACH and CELL\_FACH to CELL\_DCH: Success (with ongoing HS-DSCH reception) | X |  |
| 8.2.2.62 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (activation and deactivation of MIMO) | X |  |
| 8.2.2.63 | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (activation and de-activation of 64QAM) | X |  |
| 8.2.3.37 | Radio Bearer Release for transition from CELL\_DCH to CELL\_DCH: Success (frequency modification, stop of discontinuous uplink transmission) | X |  |
| 8.2.6.54a | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Failure (Timing re-initialized hard handover, Serving E-DCH and HS-DSCH cell change with MIMO activated, physical channel failure and reversion to old channel) | X |  |
| 8.2.6.55 | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Start of discontinuous uplink transmission and downlink reception) | X |  |
| 8.2.6.56 | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Start of HS-SCCH less operation) | X |  |
| 8.2.6.57 | Physical Channel Reconfiguration for transition from CELL\_DCH to URA\_PCH: Success (frequency modification, stop of discontinuous uplink transmission) | X |  |
| 8.2.6.58 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (serving E-DCH cell change with discontinuous uplink transmission) | X |  |
| 8.2.6.59 | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Timing re-initialized hard handover to another frequency, Serving E-DCH cell change with discontinuous uplink transmission) | X |  |
| 8.2.6.60 | Physical Channel Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Failure (Timing re-initialised hard handover, Serving E-DCH cell change with discontinuous uplink transmission, physical channel failure and reversion to old channel) | X |  |
| 8.2.6.61 | Physical channel reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (CQI reporting reduction) | X |  |
| 8.2.6.62 | Physical Channel Reconfiguration from CELL\_DCH to CELL\_DCH: Success (activation and de-activation of 64QAM) | X |  |
| 8.2.6.63 | Physical Channel Reconfiguration from CELL\_DCH to CELL\_DCH: Success (Timing re-initialised hard handover to another frequency, Serving HS-DSCH cell change with MIMO enabled) | X |  |
| 8.2.6.64 | Physical channel reconfigurations for transition from CELL\_DCH to CELL\_DCH (activation and de-activation of UL 16QAM ): Success | X |  |
| 8.3.1.44 | Cell Update: Transition from CELL\_PCH to CELL\_DCH: Success (frequency modification, start of discontinuous uplink transmission) | X |  |
| 8.3.1.45 | Cell Update: Radio Link Failure, with active discontinuous uplink transmission | X |  |
| 8.3.1.46 | Cell Update: Transition from URA\_PCH to CELL\_DCH: Success (start of discontinuous uplink transmission) | X |  |
| 8.3.1.47 | Cell Update: cell reselection in CELL\_FACH (Reselection between cell not supporting HS-PDSCH in CELL\_FACH and cell supporting HS-PDSCH is CELL\_FACH) | X |  |
| 8.3.4.11 | Active set update in soft handover: Radio Link addition/removal and serving HS-DSCH / E-DCH cell change, with discontinuous uplink transmission | X |  |
| 8.3.4.12 | Active set update in soft handover: Radio Link addition/removal (stop and start of UL 16QAM) | X |  |
| 8.3.4.13 | Active set update in soft handover: Radio Link addition/removal and serving HS-DSCH / E-DCH cell change, with activation/deactivation of 64QAM | X |  |
| 8.3.7.1b | Inter system handover from UTRAN/To GSM/Speech/Success with UEA2/UIA2 and A5/3 ciphering | X |  |
| 8.3.11.1a | Inter-RAT cell change order from UTRAN/To GPRS/CELL\_DCH/Success with UEA2/UIA2, GEA2 ciphering | X |  |
| 8.3.11.1b | Inter-RAT cell change order from UTRAN/To GPRS/CELL\_DCH/Success with UEA2/UIA2 and GEA3 ciphering | X |  |
| 8.3.11.15 | Inter-RAT Cell Change Order from UTRAN to GPRS/CELL\_DCH/Success (stop of discontinuous uplink transmission) | X |  |
| 8.4.1.50 | Measurement reporting when moving from CELL\_PCH to CELL\_FACH | X |  |
| 14.5.3 | Interactive/Background / UL:32 DL: [max bit rate depending on UE category] with fixed RLC and MAC-ehs / PS RAB + SRBs for DCCH on RACH and SRB with fixed RLC and MAC-ehs on HS-DSCH / DL:QPSK | X |  |
| 14.6.1b | Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Fixed RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK and 16QAM | X |  |
| 14.6.1c | Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM | X |  |
| 14.6.1d | Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM and MIMO | X |  |
| 14.6.6a | Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK and 16QAM | X |  |
| 14.6.6b | Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM | X |  |
| 14.6.6c | Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM and MIMO | X |  |
| 14.7.1a | Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH on DCH/ UL 16QAM | X |  |
| 14.7.6a | 'Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: :[max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH/ UL 16QAM | X |  |
| 14.7.6b | Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps with Flexible RLC and MAC-ehs / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: :[max bit rate depending on UE category] SRBs for DCCH on E-DCH and SRBs with Fixed RLC and MAC-ehs on HS-DSCH / UL: QPSK and DL: QPSK | X |  |

## A.15.1 Void

## A.15.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (HSPA7\_ENH.MP) which accompanies the present document.

# A.16 HSPA8\_ENH TTCN-2 ATS

The approved HSPA8\_ENH test cases are listed. An “X” in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.16: HSPA and Rel-8 enhancement TTCN test cases

|  |  |  |  |
| --- | --- | --- | --- |
| Test case | Description | FDD | LCR\_TDD |
| 6.1.2.12 | Cell reselection based on absolute priority in SIB19 | X |  |
| 6.3.1.1 | Manual CSG ID Selection | X |  |
| 6.3.1.2 | UE in automatic network selection mode to select a suitable CSG cell | X |  |
| 6.3.2.1 | Intra-frequency cell reselection from a non-CSG cell to an allowed CSG cell | X |  |
| 6.3.2.2 | Inter-frequency cell reselection from a non-CSG cell to an allowed CSG cell | X |  |
| 6.3.3.1 | Intra frequency CSG Cell Reselection / UE is in Idle, Cell\_PCH and URA\_PCH states | X |  |
| 6.3.3.2 | Inter-frequency cell reselection from a non-CSG cell to an allowed CSG cell | X |  |
| 7.1.7.1 | MAC-i/is multiplexing (multiple PDUs from different LC in one TTI) | X |  |
| 7.1.7.2 | MAC-i/is segmentation / Correct Usage of Segmentation Status Field | X |  |
| 7.1.7.3 | Correct settings of MAC-i/is header fields | X |  |
| 7.1.7.4 | MAC-is/i transport block size selection/ UL QPSK | X |  |
| 7.1.7.5 | MAC-is/i transport block size selection/ UL 16QAM | X |  |
| 7.1.8.1 | Release of common E-DCH resource when maximum resource allocation for E-DCH expires or uplink transmission ends for CCCH transmission | X |  |
| 7.1.8.7 | Physical Channel Failure for EUL in CELL-FACH during initial access preamble | X |  |
| 7.2.2.15 | Flexible handling of RLC PDU sizes for UM RLC in uplink | X |  |
| 7.2.3.37 | RLC PDU Size Adaptation in Uplink | X |  |
| 7.2.3.38 | Flexible handling of RLC PDU sizes for AM RLC in uplink | X |  |
| 7.3.7.1 | PDCP AMR Data PDU testing | X |  |
| 7.3.7.2 | PDCP Unrecoverable Error Detection | X |  |
| 8.1.1.13 | ETWS primary and secondary notification without security reception via S-CCPCH in idle mode, URA\_PCH and CELL\_PCH state / CELL\_FACH state | X |  |
| 8.1.1.19 | ETWS primary and secondary notification / Cell reselection | X |  |
| 8.1.2.26 | RRC Connection Establishment / Paging Permission with Access Control: Success | X |  |
| 8.1.9c | Signalling Connection Release Indication in Cell\_FACH/Cell\_DCH state when the upper layers of the UE indicate that there is no more PS data for a prolonged period | X |  |
| 8.1.9d | Signalling connection release indication in CELL\_DCH state when the upper layers of the UE indicate that there is no more PS data for a prolonged period, CS connection exists | X |  |
| 8.1.9e | No Signalling connection release indication in Cell\_PCH state when the upper layers of the UE indicate that there is no more PS data for a prolonged period | X |  |
| 8.1.9f | Signalling Connection Release Indication in Cell\_FACH state when the upper layers of the UE indicate that there is no more PS data for a prolonged period | X |  |
| 8.2.1.42 | Radio Bearer Establishment for transition from CELL\_FACH (Enhanced UL/DL) to CELL\_DCH : Success (with ongoing HS-DSCH reception and E-DCH transmission) | X |  |
| 8.2.2.58 | Radio Bearer Reconfiguration for transition from CELL\_DCH to CELL\_DCH: Success (Reconfigurations between CS voice over DCH and CS voice over HSPA) | X |  |
| 8.2.2.61 | Radio Bearer Reconfiguration from CELL\_DCH to CELL\_DCH: Success (Reconfiguration between fixed and flexible AM RLC, Serving E-DCH cell change between MAC-e/es and MAC-i/is) | X |  |
| 8.3.1.48 | Cell Update: Radio Link Failure, UM RLC Re-establishment | X |  |
| 8.3.1.52 | Cell Update: Inter Frequency cell reselection in CELL\_FACH based on absolute priority | X |  |
| 8.3.1.53 | Cell Update: Absolute priority based cell reselection failure to inter frequency cell for which no priority or no threshold is assigned | X |  |
| 8.3.1.54 | Cell Update: Absolute priority based cell reselection when more than one cell fulfills the criterion | X |  |
| 8.3.4.15 | Active set update: Dual Cell (DC) Activation by Serving Cell Change from non DC-HSDPA capable cell to DC-HSDPA capable cell | X |  |
| 8.3.4.15a | Active set update: Dual Cell (DC) Activation by Serving Cell Change from non DC-HSDPA capable cell to DC-HSDPA capable cell with SRB mapped on E-DCH/DCH | X |  |
| 8.3.4.16 | Active set update: Dual Cell (DC) Activation by Serving Cell Change from DC-HSDPA capable cell to non DC-HSDPA capable cell | X |  |
| 8.3.4.16a | Active set update: Dual Cell (DC) Activation by Serving Cell Change from DC-HSDPA capable cell to non DC-HSDPA capable cell with SRB mapped on E-DCH/DCH | X |  |
| 9.4.2.6 | Location updating / rejected / Not authorized for this CSG | X |  |
| 12.2.1.5e | PS attach / rejected / Not authorized for this CSG | X |  |
| 12.2.2.7e | Combined PS attach / rejected / Not authorized for this CSG | X |  |
| 12.2.2.10 | Combined PS attach / abnormal cases / access barred due to paging permission with access control | X |  |
| 12.3.1.10 | UE initiated detach/abnormal case/ Not authorized for this CSG | X |  |
| 12.4.1.4e | Routing area updating / rejected / Not authorized for this CSG | X |  |
| 12.4.2.5e | Combined routing area updating / rejected / Not authorized for this CSG | X |  |
| 12.9.7d | Service request/rejected/Not authorized for this CSG | X |  |
| 13.3.1.2 | Test Call using eCall capable UE with eCall only subscription | X |  |
| 13.3.1.3 | Manually initiated eCall using eCall capable UE with “eCall only” subscription on USIM | X |  |
| 13.3.1.4 | Reconfiguration Call using eCall capable UE with an ‘eCall only’ subscription on USIM | X |  |
| 13.3.1.5 | Manually initiated eCall using eCall capable UE with eCall and non eCall subscriptions on USIM | X |  |
| 13.3.1.6 | eCall Inactivity State after T3242 expires | X |  |
| 13.3.1.7 | Automatically initiated eCall | X |  |
| 13.3.1.10 | eCall Inactivity State after T3243 expires | X |  |
| 14.6.1e | Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM and MIMO | X |  |
| 14.6.1f | Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM and Dual-Cell | X |  |
| 14.6.1g | Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM and Dual-Cell | X |  |
| 14.6.6d | Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM and MIMO | X |  |
| 14.6.6e | Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM and Dual-Cell | X |  |
| 14.6.6f | Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM and Dual-Cell | X |  |
| 14.7.3a | Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is | X |  |
| 14.7.6c | Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Fixed RLC, MAC-ehs and MAC-i/is / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: :[max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is / UL: QPSK and DL: QPSK | X |  |
| 14.7.9 | Conversational / speech / UL:(12.2, 7.95, 5.9, 4.75) kbps DL: (12.2, 7.95, 5.9, 4.75) kbps / CS RAB on E-DCH and HS-DSCH + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH | X |  |
| 14.7.10 | Conversational / speech / UL:(12.65, 8.85, 6.6) kbps DL: (12.65, 8.85, 6.6) kbps / CS RAB on E-DCH and HS-DSCH + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH | X |  |
| 14.7.11 | Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH for enhanced uplink/downlink in CELL\_FACH | X |  |

## A.16.1 Void

## A.16.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (HSPA8\_ENH.MP) which accompanies the present document.

# A.17 HSPA9\_ENH TTCN-2 ATS

The approved HSPA9\_ENH test cases are listed. An "X" in columns FDD or LCR TDD indicates the test case approved for the relevant ATS.

Table A.17: HSPA and Rel-9 enhancement TTCN test cases

|  |  |  |  |
| --- | --- | --- | --- |
| Test case | Description | FDD | LCR\_TDD |
| 6.3.1.3 | Manual CSG ID Selection across PLMNs | X |  |
| 6.3.1.4 | Suitable Cell checking for reselection to the CSG Cell | X |  |
| 6.3.4.1 | Inter-frequency Cell Reselection with Hybrid Cells | X |  |
| 6.3.4.2 | Cell Reselection with Hybrid Cells for non-member UEs | X |  |
| 7.1.9.1 | MAC-i/is multiplexing for Dual-Cell HSUPA | X |  |
| 7.1.9.2 | Happy bit settings and SI handling for Dual-Cell HSUPA | X |  |
| 7.1.9.5 | Deactivation and activation of secondary uplink frequency using HS-SCCH orders | X |  |
| 8.2.2.74 | Radio Bearer Reconfiguration for transition between CELL\_FACH & CELL\_DCH: Success Activation and Deactivation of Dual-Cell for different band. | X |  |
| 8.2.2.75 | Radio Bearer Reconfiguration for transition between CELL\_FACH & CELL\_DCH: Success Activation and Deactivation of Dual-Cell for different bands and 64QAM | X |  |
| 8.2.2.76 | Radio Bearer Reconfiguration for transition between CELL\_FACH and CELL\_DCH: Success (Dual-Cell HSUPA (QPSK) and Dual-Cell HSDPA (16QAM)) | X |  |
| 8.2.2.77 | Radio Bearer Reconfiguration for transition between CELL\_FACH and CELL\_DCH: Success (Dual-Cell HSUPA (QPSK) and Dual-Cell HSDPA (64QAM)) | X |  |
| 8.2.2.78 | Radio Bearer Reconfiguration for transition between CELL\_FACH and CELL\_DCH: Success (Dual-Cell HSUPA (16QAM) and Dual-Cell HSDPA (16QAM)) | X |  |
| 8.3.4.20 | Active Set Update in Soft Handover: Radio Link addition/removal on the secondary E-DCH active set | X |  |
| 8.3.7.1c | Inter system handover from UTRAN/To GSM/Speech/Success with UEA1/UIA1 and A5/4 ciphering | X |  |
| 8.3.7.1d | Inter system handover from UTRAN/To GSM/Speech/Success with UEA2/UIA2 and A5/4 ciphering | X |  |
| 8.3.11.1c | Inter-RAT cell change order from UTRAN/To GPRS/CELL\_DCH/Success with UEA2/UIA2 and GEA4 ciphering | X |  |
| 14.7.3b | Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is / UL: QPSK and Dual-Cell DL: 16QAM and Dual-Cell | X |  |

## A.17.1 Void

## A.17.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the corresponding FDD or LCR\_TDD ATS is contained in an ASCII file (HSPA9\_ENH.MP) which accompanies the present document.

# A.18 UTRAN TTCN-3 TS

Table A.18-1 lists all approved test cases. An “X” in columns FDD or TDD indicates the test case approved for the respective variant.

Table A.18-1: UTRA TTCN test cases

| Test case | Description | FDD | LCR\_TDD |
| --- | --- | --- | --- |
| 8.1.1.20 | Paging / EAB active | X |  |
| 8.1.5.7 | UE Capability Information / Audit of UE Capabilities | X |  |
| 8.3.1.1d | Inter-frequency absolute priority based reselection in CELL\_FACH (Lower Priority) | X |  |
| 8.3.1.1e | Inter-frequency absolute priority based reselection in CELL\_FACH (Higher Priority) | X |  |
| 8.3.1.1f | Inter-frequency reselection to a no priority layer when NW and UE supports absolute priority in CELL\_FACH | X |  |
| 8.6.2.1 | Logged MDT / Intra-frequency measurement, logging and reporting / Idle mode | X |  |
| 8.6.2.2 | Logged MDT / Intra-frequency measurement, logging and reporting / CELL\_PCH | X |  |
| 8.6.2.3 | Logged MDT / Inter-frequency measurement, logging and reporting / URA\_PCH | X |  |
| 9.4.3.3a | Location updating / abnormal cases / attempt counter equal to 4 | X |  |
| 9.4.3.7 | Location updating / abnormal cases / Network reject with Extended Wait Timer | X |  |
| 9.4.5.4.7 | Location updating / periodic search for HPLMN or higher priority PLMN / UE waits Minimum Periodic search timer | X |  |
| 9.4.5.5 | Location updating / periodic per-device timer | X |  |
| 9.4.10 | NITZ / MM / Time zone, Time and DST Handling zone | X |  |
| 9.4.11 | Location Updating / EAB active | X |  |
| 11.1.1.3 | Dual priority / T3396 override | X |  |
| 11.1.3.4 | Network reject with Back-off Timer | X |  |
| 11.1.5.1 | Successful Secondary PDP Context Activation Procedure Initiated by the Network | X |  |
| 11.1.5.2 | Successful Secondary PDP Context Activation, Deactivation and Re-activation Initiated by the Network | X |  |
| 11.2.1a | Network initiated PDP context modification / Adding and deleting filters to TFT of a secondary PDP context | X |  |
| 11.2.1b | Network initiated PDP context modification / Adding filters to TFT of the Primary PDP context | X |  |
| 11.3.2a | PDP context deactivation initiated by the network / secondary PDP context active / deactivation of primary PDP context | X |  |
| 11.9.1 | UE routing of uplink packets | X |  |
| 12.2.1.1a | PS attach / accepted / Attach with IMSI | X |  |
| 12.2.1.13 | NITZ / GMM / Time zone, Time and DST Handling | X |  |
| 12.2.1.14 | NITZ / GMM / NITZ Parameters Storage and Deletion | X |  |
| 12.2.1.15 | NITZ / GMM / MM and GMM Signalling | X |  |
| 12.2.1.16 | PS attach / EAB active | X |  |
| 12.2.2.3a | Combined PS attach / NMO-I enabled in UE | X |  |
| 12.2.2.3c | Combined PS attach / congestion / GPRS services only | X |  |
| 12.4.1.1d | Routing area updating / accepted / SMS via GPRS supported | X |  |
| 12.4.1.4f | Routing area updating / rejected / Congestion | X |  |
| 12.4.2.3b | Combined routing area updating / SMS only | X |  |
| 12.4.2.3c | Combined routing area updating / congestion / GPRS services only | X |  |
| 12.4.3.2a | Periodic routing area updating / accepted / per-device timer | X |  |
| 14.6.1j | Interactive or background / UL: 64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM, 64QAM and 3C - 3C on Single Band (3-0) | X |  |
| 14.6.1k | Interactive or background / UL: 64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM, 64QAM and 3C - 3C on Dual Band (2-1) | X |  |
| 15.1.1 | CLIP/ Normal operation | X |  |
| 15.2.1 | CLIR/ Normal operation - requesting presentation of CLI | X |  |
| 15.2.2 | CLIR/ Normal operation - requesting restriction of CLI presentation | X |  |
| 15.3.1 | CNAP/Normal Operation - Name indication contained in Setup message | X |  |
| 15.3.2 | CNAP/Normal Operation - Name indication contained in Facility message | X |  |
| 15.3.3 | CNAP/Interrogation accepted | X |  |
| 15.3.4 | CNAP/Interrogation rejected | X |  |
| 15.4.1 | Call forwarding supplementary services, Registration accepted | X |  |
| 15.4.2 | Call forwarding supplementary services, Registration rejected | X |  |
| 15.4.3 | Call forwarding supplementary services, Erasure accepted | X |  |
| 15.4.4 | Call forwarding supplementary services, Erasure rejected | X |  |
| 15.4.5 | Call forwarding supplementary services, Activation | X |  |
| 15.4.6 | Call forwarding supplementary services, Deactivation | X |  |
| 15.4.7 | Call forwarding supplementary services, Interrogation accepted | X |  |
| 15.4.8 | Call forwarding supplementary services, Interrogation rejected | X |  |
| 15.5.1 | Call completion supplementary services, Waiting call indication and confirmation | X |  |
| 15.5.2 | Call completion supplementary services, Waiting call accepted; existing call released | X |  |
| 15.5.3 | Call waiting, Waiting call accepted; existing on call hold, no additional calls | X |  |
| 15.5.4 | Call completion supplementary services, Existing call released by user A; waiting call accepted | X |  |
| 15.5.5 | Call completion supplementary services, Waiting call released by subscriber B | X |  |
| 15.5.6 | Call completion supplementary services, Waiting call released by calling user C | X |  |
| 15.5.7 | Call completion supplementary services, Activation | X |  |
| 15.5.8 | Call completion supplementary services, Deactivation | X |  |
| 15.6.1 | Call completion supplementary services, Hold invocation | X |  |
| 15.6.2 | Call completion supplementary services, Retrieve procedure | X |  |
| 15.6.3 | Call completion supplementary services, Alternate from one call to the other | X |  |
| 15.7.1 | Multi-party supplementary services, Beginning the MultiParty service, successful case | X |  |
| 15.7.2 | Multi-party supplementary services, Beginning the MultiParty service, unsuccessful case | X |  |
| 15.7.3 | Multi-party supplementary services, Beginning the MultiParty service, expiry of timer T(BuildMPTY) | X |  |
| 15.7.4 | Multi-party, Managing an active MultiParty call, Put the MultiParty call on hold, successful case | X |  |
| 15.7.5 | Multi-party, Managing an active MultiParty call, Put the MultiParty call on hold, unsuccessful case | X |  |
| 15.7.6 | Multi-party, Managing an active MultiParty call, Put the MultiParty call on hold, expiry of timer T(HoldMPTY) | X |  |
| 15.7.7 | Multi-party, Managing an active MultiParty call, Create a private communication with one of the remote parties, successful case | X |  |
| 15.7.8 | Multi-party, Managing an active MultiParty call, Create a private communication with one of the remote parties, unsuccessful case | X |  |
| 15.7.9 | Multi-party, Managing an active MultiParty call, Create a private communication with one of the remote parties, expiry of timer T (SplitMPTY) | X |  |
| 15.7.10 | Multi-party supplementary services, Terminate the entire MultiParty call | X |  |
| 15.7.11 | Multi-party supplementary services, Explicitly disconnect a remote party | X |  |
| 15.7.12 | Multi-party supplementary services, Release from the MultiParty call | X |  |
| 15.7.13 | Multi-party supplementary services, Retrieve the held MultiParty call, successful case | X |  |
| 15.7.14 | Multi-party supplementary services, Retrieve the held MultiParty call, unsuccessful case | X |  |
| 15.7.15 | Multi-party supplementary services, Retrieve the held MultiParty call, expiry of timer T(RetrieveMPTY) | X |  |
| 15.7.16 | Multi-party supplementary services, Initiate a new call | X |  |
| 15.7.17 | Multi-party supplementary services, Process a call waiting request | X |  |
| 15.7.18 | Multi-party supplementary services, Terminate the held MultiParty call | X |  |
| 15.7.19 | Multi-party, Managing a single call and a MultiParty call, Disconnect the single call, single call active | X |  |
| 15.7.20 | Multi-party, Managing a single call and a MultiParty call, Disconnect the single call, single call held | X |  |
| 15.7.21 | Clear all parties of held MultiParty call | X |  |
| 15.7.22 | Clear all parties of active MultiParty call | X |  |
| 15.7.23 | Multi-party supplementary services, Disconnect all calls | X |  |
| 15.7.24 | Multi-party supplementary services, Add the single call to the MPTY, successful case | X |  |
| 15.7.25 | Multi-party supplementary services, Add the single call to the MPTY, maximum number of participants exceeded | X |  |
| 15.7.26 | Multi-party supplementary services, Alternate between the MPTY call and the single call | X |  |
| 15.7.27 | Multi-party supplementary services, Adding extra remote parties | X |  |
| 15.8.1 | Registration accepted | X |  |
| 15.8.2 | Rejection after invoke of the operation “register password” with SS subscription violation | X |  |
| 15.8.3 | Rejection after password check with negative result | X |  |
| 15.8.4 | Activation accepted | X |  |
| 15.8.5 | Rejection after invoke of ActivateSS operation | X |  |
| 15.8.6 | Deactivation accepted | X |  |
| 15.8.7 | Rejection after invoke of DeactivateSS operation | X |  |
| 15.8.8 | Rejection after use of password procedure | X |  |
| 15.8.9 | Normal operation | X |  |
| 15.9.1 | ProcessUnstructuredSS-request/accepted | X |  |
| 15.9.2 | ProcessUnstructuredSS-request/cross phase compatibility and error handling | X |  |
| 15.9.3 | UnstructuredSS-Notify/accepted | X |  |
| 15.9.4 | UnstructuredSS-Notify/rejected on user busy | X |  |
| 15.9.5 | UnstructuredSS-Request/accepted | X |  |
| 15.9.6 | MMI input for USSD | X |  |
| 15.10.1 | Explicit Call Transfer invocation, successful case, both calls active, clearing using DISCONNECT | X |  |
| 15.10.2 | Explicit Call Transfer invocation, successful case, both calls active, clearing using RELEASE | X |  |
| 15.10.3 | Explicit Call Transfer invocation, successful case, both calls active, clearing using RELEASE COMPLETE | X |  |
| 15.10.4 | Explicit Call Transfer invocation, successful case, second call alerting | X |  |
| 15.10.5 | Explicit Call Transfer invocation, expiry of T(ECT) | X |  |

The Test Suite in TTCN3 is contained in multiple ASCII files which accompany the present document.

Annex B (normative):  
Partial IXIT proforma

Notwithstanding the provisions of the copyright related to the text of the present document, The Organizational Partners of 3GPPgrant that users of the present document may freely reproduce the partial IXIT proforma in this annex so that it can be used for its intended purposes and may further publish the completed partial IXIT.

# B.0 Introduction

This partial IXIT proforma contained in the present document is provided for completion, when the related Abstract Test Suite is to be used against the Implementation Under Test (IUT).

Text in *italics* is comments for guidance for the production of an IXIT, and is not to be included in the actual IXIT.

The completed partial IXIT will normally be used in conjunction with the completed ICS, as it adds precision to the information provided by the ICS.

# B.1 Parameter values

## B.1.1 BasicM test suite parameter declarations

The following parameters are common to all ATSs.

Table B.1.1: BasicM PIXIT

| Parameter name | Description | Type | Default value | Supported value |
| --- | --- | --- | --- | --- |
| px\_AuthAMF | Authentication Management Field (16 bits). The value shall be different from '1111 1111 1111 1111'B (AMFresynch). | B16 | See note 2 |  |
| px\_AuthK | Authentication Key (128 bits) | B128 | '01011110010010101011001101011000100100010011011101011101001010101110111010000001001011100110011111000011000010011010011000101001'B |  |
| px\_AuthN | Value of n to initialize tcv\_Auth\_n (length of extended response)  min 31, max 127 (3GPP TS 34.108 [3], clause 8.1.2) | INTEGER | 127 |  |
| px\_AuthRAND | Random Challenge (128 bits) | BITSTRING | '01010101…01'B |  |
| px\_GPRS\_CipheringAlgorithm | Cipher algorithm | GPRS\_CipheringAlgorithm\_Type | '010'B | Allowed values  gea0 ’000’B,  gea2 ’010’B,  gea3 ’011’B,  gea4 ’100’B |
| px\_CipheringOnOff | Security mode - TRUE if ciphering is applicable | BOOLEAN | TRUE |  |
| px\_CN\_DomainTested | CN domain to be tested. This parameter is used in test cases that handle both PS and CS domains. | CN\_DomainIdentity | ps\_domain |  |
| px\_DL\_MaxCC\_TB\_bits | Maximum sum of number of bits of all convolutionally coded transport blocks being received at an arbitrary time instant. | MaxNoBits | b163840 |  |
| px\_DL\_MaxCCTrCH | Maximum number of Simultaneous CCTrCH for downlink | MaxSimultaneousCCTrCH\_Count | 8 |  |
| px\_DL\_MaxTB\_bits | Maximum sum of number of bits of all transport blocks being received at an arbitrary time instant. | MaxNoBits | b163840 |  |
| px\_DL\_MaxTF | Maximum number of TF for downlink | MaxNumberOfTF | tf1024 |  |
| px\_DL\_MaxTFS | Maximum number of TFC in the TFCS for downlink | MaxNumberOfTFC\_DL | tfc1024 |  |
| px\_DL\_MaxTrCHs | Maximum number of simultaneous transport channels for downlink. | MaxSimultaneousTransChsDL | e32 |  |
| px\_DL\_MaxTTI\_TB | Maximum total number of transport blocks received within TTIs that end within the same 10 ms interval. | MaxTransportBlocksDL | tb512 |  |
| px\_FRESH | Value for FRESH | Fresh | See note 1 |  |
| px\_FDD\_OperationBand | Applicable for FDD  The operation band under test as defined in 34.108 clause 5.1.1. | INTEGER | 1, see note 3 | px\_UARFCN\_D\_Mid, px\_UARFCN\_D\_Low and px\_UARFCN\_D\_High shall take the values according to the value of px\_FDD\_OperationBand. |
| px\_GuardTimerExtension | Guard timer extension value (in seconds). A reasonable value shall be used. | INTEGER | 0 |  |
| px\_IMSI\_Def | Default IMSI value | HEXSTRING | '001010123456063'H |  |
| px\_JapanMCC | Japan MCC to be used for Band VI | HEXSTRING | '442'H |  |
| px\_PriScrmCode | Applicable for FDD  Primary scrambling code | PrimaryScramblingCode | 100 |  |
| px\_MaxAM\_EntityNumberRLC\_Cap | Maximum AM Entity Number for RLC. | MaximumAM\_EntityNumberRLC\_Cap | am30 |  |
| px\_MaxNoDPDCH\_BitsTransmitted | Part of UL\_PhysChCapabilityFDD | MaxNoDPDCH\_BitsTransmitted | b57600 |  |
| px\_MaxNoDPCH\_PDSCH\_Codes | Part of DL\_PhysChCapabilityFDD. INTEGER (1..8). | INTEGER | 8 |  |
| px\_MaxNoPhysChBitsReceived | Part of DL\_PhysChCapabilityFDD. | MaxNoPhysChBitsReceived | b76800 |  |
| px\_MaxRLC\_WindowSize | Maximum RLC window size. | MaximumRLC\_WindowSize | mws4095 |  |
| px\_MS\_ClsmkESIND | default Early Sending Indication | B1 | '0'B |  |
| px\_MS\_ClsmkRevLvl | default Revision Level | B2 | '10'B |  |
| px\_PTMSI\_Def | default PTMSI | OCTETSTRING | 'C2345678'O |  |
| px\_PTMSI\_SigDef | default PTMSI signature (3 octets, 3GPP TS 24.008 [9], clause 10.5.5.8). | OCTETSTRING | 'AB1234'O |  |
| px\_RAT | Applicable for FDD  This parameter is used to specify which radio access technology is being used for the current test execution. Valid values: fdd and tdd | RatType | fdd |  |
| px\_RRC\_CS\_ServTested | CS service to be tested for RRC test cases. | RRC\_ServTested | Speech |  |
| px\_RRC\_PS\_ServTested | PS service to be tested for RRC test cases. | RRC\_ServTested | ps\_Interactive |  |
| px\_SRNC\_Id | SRNC Id | SRNC\_Identity | '0000 0000 0001'B |  |
| px\_SRNTI | S RNTI | S\_RNTI | '0000 0000 0000 0000 0001'B |  |
| px\_TCellA | TCell value for cell A or 1. Except for the first created cell, the value 0 applied in ts\_SS\_CellCfg. | Tcell | 256 |  |
| px\_TCellB | TCell value for cell B or 2. Except for the first created cell, the value 0 applied in ts\_SS\_CellCfg. | Tcell | 512 |  |
| px\_TCellC | TCell value for cell C or 3. Except the first created cell, the value 0 applied in ts\_SS\_CellCfg. | Tcell | 1536 |  |
| px\_TCellD | TCell value for cell D or 4. Except the first created cell, the value 0 applied in ts\_SS\_CellCfg. | Tcell | 321 |  |
| px\_TCellE | TCell value for cell E or 5. Except the first created cell, the value 0 applied in ts\_SS\_CellCfg. | Tcell | 833 |  |
| px\_TCellF | TCell value for cell F or 6. Except the first created cell, the value 0 applied in ts\_SS\_CellCfg. | Tcell | 6577 |  |
| px\_TCellG | TCell value for cell G or 7. Except the first created cell, the value 0 applied in ts\_SS\_CellCfg. | Tcell | 7253 |  |
| px\_TCellH | TCell value for cell H or 8. Except the first created cell, the value 0 applied in ts\_SS\_CellCfg. | Tcell | 4351 |  |
| px\_TimerDequeuePCO | Additional time for dequeueing PCO | INTEGER | 5000 (ms) |  |
| px\_TMSI\_Def | Default TMSI | OCTETSTRING | '12345678'O |  |
| px\_TotalRLC\_AM\_BufferSize | Total RLC AM buffer size for R99. The values are according to TotalRLC-AM-BufferSize defined in 3GPP TS 25.331. | TotalRLC\_AM\_BufferSize | NA |  |
| px\_UARFCN\_D\_Mid | Applicable for FDD  Mid Range downlink UARFCN value | INTEGER | 10700 |  |
| px\_UARFCN\_D\_Low | Applicable for FDD  Low Range downlink UARFCN value | INTEGER | 10563 |  |
| px\_UARFCN\_D\_High | Applicable for FDD  High Range downlink UARFCN value | INTEGER | 10837 |  |
| px\_UE\_OpModeDef | Default UE operation mode (either opModeA or opModeC). (For most UEs  this corresponds class-A or class-C, and can not be changed by the user) | UE\_OperationMode | opModeA |  |
| px\_UE\_PositioningNetworkAssistedGPS\_Sup | UE positioning capability: supports the network assisted GPS | NetworkAssistedGPS\_Supported | networkBased |  |
| px\_UE\_PowerClass | UE\_PowerClass value of the band under test (px\_FDD\_OperationBand or px\_TDD\_OperationBand). | UE\_PowerClass | 1 |  |
| px\_UL\_MaxCC\_TB\_bits | Maximum sum of number of bits of all convolutionally coded transport blocks being transmitted at an arbitrary time instant. | MaxNoBits | b163840 |  |
| px\_UL\_MaxTB\_bits | Maximum sum of number of bits of all transport blocks being transmitted at an arbitrary time instant. | MaxNoBits | b163840 |  |
| px\_UL\_MaxTF | Maximum number of TF for uplink. | MaxNumberOfTF | tf1024 |  |
| px\_UL\_MaxTFS | Maximum number of TFC in the TFCS for uplink. | MaxNumberOfTFC\_DL | tfc1024 |  |
| px\_UL\_MaxTrCHs | Maximum number of simultaneous transport channels for uplink. | MaxSimultaneousTransChsUL | e32 |  |
| px\_UL\_MaxTTI\_TB | Maximum total number of transport blocks transmitted within TTIs that start at the same time. | MaxTransportBlocksUL | tb512 |  |
| px\_UL\_ScramblingCode | Applicable for FDD  UL scrambling code value to be used by UE. | UL\_ScramblingCode | 0 |  |
| px\_TDD\_OperationBand | Applicable for TDD  The operation band under test as defined in 34.108 clause 5.1.2. | INTEGER | 1 | px\_UARFCN\_Mid, px\_UARFCN\_Low and px\_UARFCN\_High shall take the values according to the value of px\_TDD\_OperationBand. |
| px\_UARFCN\_Mid | Applicable for TDD  Mid Range UARFCN value | INTEGER | 9550 |  |
| px\_UARFCN\_Low | Applicable for TDD  Low Range UARFCN value | INTEGER | 9504 |  |
| px\_UARFCN\_High | Applicable for TDD  High Range UARFCN value | INTEGER | 9596 |  |
| px\_UARFCN\_Mid\_S1 | Applicable for TDD  Mid Range UARFCN value | INTEGER | 9545 |  |
| px\_UARFCN\_Mid\_S2 | Applicable for TDD  Mid Range UARFCN value | INTEGER | 9555 |  |
| px\_UARFCN\_High\_S1 | Applicable for TDD  High Range UARFCN value | INTEGER | 9591 |  |
| px\_UARFCN\_High\_S2 | Applicable for TDD  High Range UARFCN value | INTEGER | 9586 |  |
| NOTE 1: No default value can be proposed (Manufacturer defined value).  NOTE 2: No default value can be proposed, because not enough information is available in 3GPP TS 34.109 [4], clause 8.1.2.  NOTE 3: This value shall be set in synchronization with the values that are being set for the 3 other pixits with: px\_UARFCN\_D\_High, px\_UARFCN\_D\_Mid, px\_UARFCN\_D\_Low | | | | |

## B.1.2 L3M test suite parameters declarations

The following parameters are commonly used in the RRC and NAS ATSs.

Table B.1.2: L3M PIXIT

| Parameter name | Description | Type | Default value | Supported value |
| --- | --- | --- | --- | --- |
| px\_3G324M\_MmediaEnable | For a Multimedia UE:  set to TRUE if a multimedia call is enabled;  set to FALSE if a speech call is enabled. | BOOLEAN | TRUE |  |
| px\_BcapDataCompression | Data compression supported (used in the Bearer Capability) | B1 | '0'B |  |
| px\_BcapFNUR | Fixed Network User rate supported:  '00000'B: Fixed network user rate not applicable  '00001'B: FNUR 9.6 kbit/s  '00010'B: FNUR 14.4 kbit/s  '00011'B: FNUR 19.2 kbit/s  '00100'B: FNUR 28.8 kbit/s  '00101'B: FNUR 38.4 kbit/s  '00110'B: FNUR 48.0 kbit/s  '00111'B: FNUR 56.0 kbit/s  '01000'B: FNUR 64.0 kbit/s  '01001'B: FNUR 33.6 kbit/s  '01010'B: FNUR 32.0 kbit/s | B5 | '00001'B |  |
| px\_BcapITC | Information transfer capability supported (used for the generation of the Bearer Capability)  0 - UDI  1 - RDI  2 - 31 kHz Audio  3 - Other | ItcInt | 2 |  |
| px\_BcapModemType | Modem type supported (used in the Bearer Capability) | B5 | '00110'B |  |
| px\_BcapNumberDataBits | Number of data bits supported (used in the Bearer Capability) | B1 | '1'B |  |
| px\_BcapNumberStopBits | Number of Stops bits supported (used in the Bearer Capability) | B1 | '1'B |  |
| px\_BcapOtherModemType | Other modem type supported (used in the Bearer Capability) | B2 | '10'B |  |
| px\_BcapParity | Parity supported (used in the Bearer Capability) | B3 | '011'B |  |
| px\_BcapSACP | Signalling access protocol supported (used in the Bearer Capability) | B3 | '001'B |  |
| px\_BcapSyncAsync | Synchronous '0'B or Asynchronous '1'B mode supported by IUT | B1 | '1'B |  |
| px\_BcapUeFlowControl | UE flow control.  0-outband,  1-inband,  2-no flow control.  3- X.25  4- X.75  Default: 0, outband flow control | FlowControl | 0 |  |
| px\_CC\_CallDiallingDigits | Dialling digits used to initiate a CC MO call (used with the AT dial D command). | IA5String | "0123456902" |  |
| px\_CC\_Serv | Service selected for Mobile Originated calls and Mobile Terminated calls. The possible values are  ("Telephony", "EmergencyCall", "31kHz", "V110", "V120", "PIAFS", "FTM", "X31", "BTM", "3G324M\_Call", "Alternate Speech/Facsimile", "3G324M\_SpeechPreferred") | Services | "31 kHz" |  |
| px\_DeltaSS\_DelayTime | Tdelta value (refer to 3GPP TS 34.108 [3], clause 4.2.3) in ms. | INTEGER | 55 ms |  |
| px\_EmergencyCallNumber | Emergency Number used by UE to initiate an emergency call | IA5String | "112" |  |
| px\_IMEI\_Def | Default IMEI value transmitted by UE.  Digit 15 shall be set as a Spare Digit, i.e. shall be set to ‘0’ (see TS 23.003[6]). | HEXSTRING | See note |  |
| px\_IMEISV\_Def | Default IMEISV value | HEXSTRING | See note |  |
| px\_IMSI\_Diff | Different IMSI from the IMSI stored in the USIM | HEXSTRING | '001010654321063'H |  |
| px\_SupportOpModeC | TRUE if UE supports operation mode C, i.e. UE offers PS services only (see 3GPP TS 23.060 [60], clause 4.1 and 3GPP TS 24.008 [9]) | BOOLEAN | TRUE |  |
| px\_NwOrgPDP\_Support | This indicates if the UE implementation supports network originated PDP Context.  TRUE indicates, supported  FALSE indicate, not supported | BOOLEAN | FALSE |  |
| px\_PDP\_IP\_AddrInfoDCH | A string parameter that identifies the MT in the address space applicable to the PDP for DCH. | IA5String | "200.1.1.80" |  |
| px\_PDP\_IP\_AddrInfoFACH | A string parameter that identifies the MT in the address space applicable to the PDP for FACH. | IA5String | "200.1.1.90" |  |
| px\_PTMSI\_2 | Second PTMSI used for testing. | OCTETSTRING | 'C9876543'O |  |
| px\_PTMSI\_Sig2 | Second PTMSI signature used for testing. | OCTETSTRING | 'AB1234'O |  |
| px\_TMSI\_2 | Second TMSI value for testing | OCTETSTRING | '09876543'O |  |
| px\_SMS\_IndexOffset | SMS index offset for the numbering of short messages, value range: (0,1) | INTEGER | 0 |  |
| NOTE: No default value can be proposed (Manufacturer defined value). | | | | |

## B.1.3 NAS test suite parameters declarations

The following parameters are commonly used in the NAS ATS.

Table B.1.3: NAS PIXIT

| Parameter name | Description | Type | Default value | Supported value |
| --- | --- | --- | --- | --- |
| px\_AuthRAND\_2 | A second Random Challenge (128 bits) | BITSTRING | '1010101…10'B |  |
| px\_PTMSI\_Sig3 | Second PTMSI signature used for testing | OCTETSTRING | 'AB1239'O |  |

## B.1.4 SMS test suite parameters declarations

These parameters are used in the SMS ATS.

Table B.1.4: SMS PIXIT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter name | Description | Type | Default value | Supported value |
| px\_BMC\_CB\_RepPeriod01 | CB repetition period for CB message 1 | INTEGER | 2 |  |
| px\_BMC\_CB\_RepPeriod02 | CB repetition period for CB message 2 | INTEGER | 2 |  |
| px\_BMC\_NoOfBC\_Req01 | No of broadcasts requested for CB message 1 | INTEGER | 2 |  |
| px\_BMC\_NoOfBC\_Req02 | No of broadcasts requested for CB message 2 | INTEGER | 2 |  |
| px\_MaxCP\_DataRetx | max. number of CP data retransmissions for SMS | INTEGER | 3 |  |
| px\_SMS\_CB\_Data01 | Contents of the first Cell Broadcast Message sent will be converted to an OCTETSTRING | IA5String | "First Cell Broadcast Message" |  |
| px\_SMS\_CB\_Data02 | Contents of the second Cell Broadcast Message sent will be converted to an OCTETSTRING | IA5String | "Second Cell Broadcast Message" |  |
| px\_SMS\_CB\_MsgId02 | Message Id to be used for the second Cell Broadcast Message sent | HEXSTRING[4] | '0002'H |  |
| px\_SMS\_PrefMem1 | SMS Preferred Memory 1  <mem1> of 3GPP TS 27.005 [22], clause 3.1 | IA5String | "SM" |  |
| px\_SMS\_PrefMem2 | SMS Preferred Memory 2  <mem2> of 3GPP TS 27.005 [22], clause 3.1 | IA5String | "SM" |  |
| px\_SMS\_PrefMem3 | SMS Preferred Memory 3  <mem3> of 3GPP TS 27.005 [22], clause 3.1 | IA5String | "MT" |  |
| px\_TC1M | Value for timer TC1M, to be declared by the manufacturer | INTEGER | 10000 |  |

## B.1.5 RRC\_M test suite parameters declarations

These parameters are used in the RRC and RAB ATS.

Table B.1.5: RRC and RAB PIXIT

| Parameter name | Description | Type | Default value | Supported value |
| --- | --- | --- | --- | --- |
| px\_DL\_MaxTC\_TB\_bits | Maximum sum of number of bits of all turbo coded transport blocks being received at an arbitrary time instant. | MaxNoBits | b163840 |  |
| px\_ExecutePS\_Class | Service to be executed in RAB test cases. The allowed values are:  1: Interactive  2: BackGround  3: Streaming  0: All supported classes.  Any other value is not defined. | INTEGER | 1 |  |
| px\_MaxHcContextSpace | MaxHcContextSpace if RFC 2507 [30] is supported. | MaxHcContextSpace | by1024 |  |
| px\_MaxNoSCCPCH\_RL | Part of SimultaneousSCCPCH\_DPCH\_Reception. | MaxNoSCCPCH\_RL | rl1 |  |
| px\_PrimaryBand | The primary operation band under test, as defined in 34.108 clause 5.1.1.  Value 1 means Band 1, 2 means Band 2, 3 means Band 3, 6 means Band 6. | INTEGER | 1 | This pixit shall be set in synchronization with the values that are being set to other Pixit:  px\_UARFCN\_D\_Mid |
| px\_SecondaryBand | The secondary operation band under test, as defined in 34.108 clause 5.1.1.  Value 1 means Band 1, 2 means Band 2, 3 means Band 3, 6 means Band 6. | INTEGER | 8 |  |
| px\_SMS\_CB\_MsgId01 | the operator shall define the CB Message ID for the CB data1 used for transmitting this CB data, different to CB-Data 2 IXIT | HEXSTRING[4] | '0001'H |  |
| px\_SMS\_CB\_Store | TRUE if Broadcast Messages are kept in BM storage | BOOLEAN | TRUE |  |
| px\_SMS\_MsgFrmt | SMS Message Format  <mode> of TS 27.005 cl. 3.2.3 | IA5String | "1" | Default “Text mode”  NOTE: Change value to “0” to execute tests with PDU mode. |
| px\_SMS\_PrefMemCB1 | SMS Preferred CB Memory 1  <mem1> of 3GPP TS 27.005 [22], clause 3.1 | IA5String | "BM" |  |
| px\_SMS\_PrefMemCB2 | SMS Preferred CB Memory 2  <mem2> of 3GPP TS 27.005 [22], clause 3.1 | IA5String | "BM" |  |
| px\_SMS\_PrefMemCB3 | SMS Preferred CB Memory 3  <mem3> of 3GPP TS 27.005 [22], clause 3.1 | IA5String | "BM" |  |
| px\_SMS\_Service | SMS Service  <service> of 3GPP TS 27.005 [22], clause 3.2.1 | IA5String | "0" |  |
| px\_UL\_MaxTC\_TB\_bits | Maximum sum of number of bits of all turbo coded transport blocks being transmitted at an arbitrary time instant. | MaxNoBits | b163840 |  |

The px\_ExecutePS\_Class allows the option 0 to be selected. This has been allowed in order to preserve the changes implemented in TTCN for handling all traffic classes in RAB testcase execution. System simulators are not required to support this execution and also TTCN maintenance of this path should be limited.

## B.1.6 PDCP test suite parameters declarations

These parameters are used in the PDCP ATS.

Table B.1.6: PDCP PIXIT

| Parameter name | Description | Type | Default value | Supported value |
| --- | --- | --- | --- | --- |
| px\_PDCP\_TcpIpCompressedTcpNonDeltaPacket01 | IP header compressed packet type (PID=3) of [px\_PDCP\_TcpIpUncompressedPacket01](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_TcpIpUncompressedPacket01) | IP\_Packet | 0000 0000 0000 0a00 0000 0050 1000 0026 3400 006a 6e6e 206a 6e6e 206a 6e6e |  |
| px\_PDCP\_TcpIpCompressedTcpNonDeltaPacket02 | IP header compressed packet type (PID=3) of [px\_PDCP\_TcpIpUncompressedPacket02](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_TcpIpUncompressedPacket02) | IP\_Packet | "Test\_PDCP\_TCPIP\_Packet2\_PID\_Type3" |  |
| px\_PDCP\_TcpIpCompressedTcpPacket01 | IP header compressed packet type (PID=2) of [px\_PDCP\_TcpIpUncompressedPacket01](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_TcpIpUncompressedPacket01) | IP\_Packet | 0028 2634 0a00 0000 6a6e 6e20 6a6e 6e |  |
| px\_PDCP\_TcpIpCompressedTcpPacket02 | IP header compressed packet type (PID=2) of [px\_PDCP\_TcpIpUncompressedPacket02](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_TcpIpUncompressedPacket02) | IP\_Packet | "Test\_PDCP\_TCPIP\_Packet2\_PID\_Type2" |  |
| px\_PDCP\_TcpIpFullHeaderPacket01 | IP header compressed packet type (PID=1) of [px\_PDCP\_TcpIpUncompressedPacket01](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_TcpIpUncompressedPacket01) | IP\_Packet | c500 0000 0000 0000 4006 7ac6 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 5010 0000 263e 0000 6a6e 6e20 6a6e 6e |  |
| px\_PDCP\_TcpIpFullHeaderPacket02 | IP header compressed packet type (PID=1) of [px\_PDCP\_TcpIpUncompressedPacket02](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_TcpIpUncompressedPacket02) | IP\_Packet | "Test\_PDCP\_TCPIP\_Packet2\_PID\_Type1" |  |
| px\_PDCP\_TcpIpUncompressedPacket01 | uncompressed TCP/IP Packet01 | IP\_Packet | 4500 0033 0000 0000 4006 7ac6 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 5010 0000 263e 0000 6a6e 6e20 6a6e 6e |  |
| px\_PDCP\_TcpIpUncompressedPacket02 | uncompressed TCP/IP Packet02 | IP\_Packet | "Test\_PDCP\_TCPIP\_Packet2" |  |
| px\_PDCP\_UdpIpCompressedTcpNonTcpPacket01 | IP header compressed packet type (PID=4) of [px\_PDCP\_UdpIpUncompressedPacket01](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_UdpIpUncompressedPacket01) | IP\_Packet | 0001 0000 763c 6a6e 6e20 6a6e 6e20 6a6e 6e |  |
| px\_PDCP\_UdpIpCompressedTcpNonTcpPacket02 | IP header compressed packet type (PID=4) of [px\_PDCP\_UdpIpUncompressedPacket02](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_UdpIpUncompressedPacket02) | IP\_Packet | "Test\_PDCP\_UDPIP\_Packet2\_PID\_Type4" |  |
| px\_PDCP\_UdpIpFullHeaderPacket01 | IP header compressed packet type (PID=1) of [px\_PDCP\_UdpIpUncompressedPacket01](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_UdpIpUncompressedPacket01) | IP\_Packet | 8500 0100 0000 0000 4011 7ac7 0000 0000 0000 0000 0000 0000 0013 763c 6a6e 6e20 6a6e 6e20 6a6e 6e |  |
| px\_PDCP\_UdpIpFullHeaderPacket02 | IP header compressed packet type (PID=1) of [px\_PDCP\_UdpIpUncompressedPacket02](../../../../../../../../beethoven/groupdsk/STF160/vb/temp/PDCPv028b/" \l "px_PDCP_UdpIpUncompressedPacket02) | IP\_Packet | "Test\_PDCP\_UDPIP\_Packet2\_PID\_Type1" |  |
| px\_PDCP\_UdpIpUncompressedPacket01 | uncompressed UDP/IP Packet01 | IP\_Packet | 4500 0027 0000 0000 4011 7ac7 0000 0000 0000 0000 0000 0000 0013 763c 6a6e 6e20 6a6e 6e20 6a6e 6e |  |
| px\_PDCP\_UdpIpUncompressedPacket02 | uncompressed UDP/IP Packet02 | IP\_Packet | "Test\_PDCP\_UDPIP\_Packet2" |  |

## B.1.7 BMC test suite parameters declarations

These parameters are used in the BMC ATS.

Table B.1.7: BMC PIXIT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter name | Description | Type | Default value | Supported value |
| px\_CB\_Data1 | Data to be sent for each PDCP test, except TC 7.4.1.4, 7.4.1.5 and 7.4.1.6 | IA5String [1..1246] | "CB Data1" |  |
| px\_CB\_Data2 | Data to be sent in TC 7.4.2.1 | IA5String [1..1246] | "CB Data2" |  |
| px\_SMS\_CB\_MsgId01 | Data to be sent for each PDCP test, except TC 7.4.1.4, 7.4.1.5 and 7.4.1.6 | HEXSTRING[4] | '0000'H |  |
| px\_SMS\_CB\_MsgId02 | Data to be sent in TC 7.4.2.1 | HEXSTRING[4] | '0000'H |  |
| px\_gS01 | Data to be sent for each PDCP test, except TC 7.4.1.4, 7.4.1.5 and 7.4.1.6 | BITSTRING[2] | "Test\_gS1" |  |
| px\_ggS02 | Data to be sent in TC 7.4.2.1 | BITSTRING[2] | "Test\_gS2" |  |
| px\_MsgCode01 | Data to be sent for each PDCP test, except TC 7.4.1.4, 7.4.1.5 and 7.4.1.6 | BITSTRING[10] | "Test\_msgCode01" |  |
| px\_MsgCode02 | Data to be sent in TC 7.4.2.1 | BITSTRING[10] | "Test\_msgCode02" |  |
| px\_UpdateNumber01 | Data to be sent for each PDCP test, except TC 7.4.1.4, 7.4.1.5 and 7.4.1.6 | BITSTRING[4] | "Test\_ updateNumber01" |  |
| px\_UpdateNumber02 | Data to be sent in TC 7.4.2.1 | BITSTRING[4] | "Test\_ updateNumber02" |  |

## B.1.8 RRC test suite parameters declarations

These parameters are used in the RRC ATS.

Table B.1.8: RRC PIXIT

| Parameter name | Description | Type | Default value | Supported value |
| --- | --- | --- | --- | --- |
| - | - | - | - | - |

## B.1.9 RAB test suite parameters declarations

These parameters are used in the RAB ATS.

Table B.1.9: RAB PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_CB\_Data1 | the operator shall define CBS data as IA5String together with the CB message ID used for transmitting this CB data, which is indicated by the UE after reception in a clear way according to the capabilities stored on the SIM. Furthermore, the operator shall describe the indication on the UE side (e.g. certain CBS traffic information) | IA5String\_BMC |  | the CB data range is 1..1246 Octets which refers to a IA5String of 1..1246 |
| px\_DSCH\_RNTI | DSCH RNTI | DSCH\_RNTI | '0000 0000 0000 0010'B |  |
| px\_gS01 | used in the Serial No. of the CB\_Data01 given as PIXIT, which differentiates between CBS messages from the same source and type | B2 | '00'B |  |
| px\_MsgCode01 | used in the Serial No. of the CB\_Data01 given as PIXIT, which is the Geographical Scope indicates the area over which the msg code is unique | MsgCodeType | '0000000000'B |  |
| px\_UpdateNumber01 | used in the Serial No. of the CB\_Data01 given as PIXIT, which indicates a change of the message content of the same CBS message | B4 | '0000'B |  |
| px\_PowerDSCH | transmission power level of DSCH | DL\_TxPower |  |  |
| px\_RAB\_ExecImplctTestedTC | TRUE enforces execution of optional lower bit rate R99 RAB combination test cases that are implicitly tested in higher bit rate RAB combination test cases | BOOLEAN | FALSE |  |

## B.1.10 RLC and MAC test suite parameters declarations

These parameters are used in the MAC ATS.

Table B.1.10: RLC & MAC PIXIT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter Name | Description | Type | Default Value | Supported Value |
| px\_NumOfSegInPagResOrServReq | This Pixit is used in MAC test cases 7.1.1.2, 7.1.1.3, 7.1.1.4, 7.1.1.5 and 7.1.1.8  This indicates the number of RLC segments the Paging Response (CS Domain) or Service Request (PS domain) will be segmented in. | INTEGER | 2 |  |
| px\_RLC\_SDU\_buffering | Is used in RLC TC 7.2.3.13, indicating the way to handle RLC SDU data for UL transmission when the transmission window is full | BOOLEAN(TRUE for buffering, FALSE for discard) |  |  |

## B.1.11 Multi RAT test suite parameters declarations

These parameters are used in the MultiRAT ATS.

Table B.1.11: MultiRAT PIXIT

| **Parameter name** | **Description** | **Type** | **Default value** | **Supported value** |
| --- | --- | --- | --- | --- |
| px\_ExtDTM\_EGPRS\_MultiSlotClass | Extended DTM GPRS Multi Slot Class.  Used in Classmark 3 | B2 |  |  |
| px\_GSM\_BandUnderTest | indicates which band is under test | INTEGER |  | 1 -> GSM450;  2 -> GSM480;  3 -> GSM750;  4 -> GSM850;  5 -> GSM-P-900;  6-> GSM-E-900;  7-> DCS1800;  8 -> PCS1900;  9 -> 450 & 900 MultiBand test;  10 -> 450 & 1800 MultiBand test;  11 -> 480 & 900 MultiBand test;  12 -> 480 & 1800 MultiBand test;  13 -> 900 & 1800 MultiBand test;  14-> GSM710;  15->T-GSM810; |
| px\_GSM\_CipheringOnOff | GSM Ciphering to be started or not | B1 | 1 |  |
| px\_GSM\_CipherAlg | GSM Cipher algorithm. | B3\_CipherAlg | '000'B | Allowed values: '000'B(A5/1), '010'B(A5/3),  '011'B(A5/4) |
| px\_HighMultiSlotCap | High Multislot Capability.  Used in Classmark 3 | B2 |  |  |
| px\_CipherKey | Cipher key (64 bits) | B64 | '0101111001001010101100110101100010010001001101110101110100101010'B | Any |
| px\_CipherKey128 | Cipher key (128 bits) to be used e.g. for A5/4 and GEA/4 | B128 | '01011110010010101011001101011000100100010011011101011101001010100101111001001010101100110101100010010001001101110101110100101010'B | Any |
| px\_MS\_TXPWR\_MAX\_CCH | MS\_TXPWR\_MAX\_CCH | B5 | '01010'B |  |
| px\_RXLEV\_ACCESS\_MIN | minimum received signal level at MS | B6 | '000000'B |  |
| px\_SplitOnCCCH | split paging cycle on CCCH supported indication | B1 | '0'B not supported |  |
| px\_TSC | Training sequence code for traffic channels | B3 | '011'B |  |
| px\_PowerLevel | power level value for L1 header | B5 |  |  |
| px\_TimingAdvance | Timing advance value for L1 header | B1 | '0000000'B |  |

## B.1.12 MMI questions

Table B.1.12 requests additional information needed for the execution of the MMI commands used in the ATSs, the column 'ATS' indicates in which ATS the question is used.

Table B.1.12: MMI questions

| Required information for MMI question | ATS |
| --- | --- |
| Please switch the PLMN selection mode of the UE to automatic selection | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, AGPS, HSU\_ENH, HS\_ENH |
| Please switch the PLMN selection mode of the UE to manual selection | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, AGPS, HSU\_ENH, HS\_ENH |
| Please select the following PLMN manually: MCC = <p\_MCC>, MNC = <p\_MNC> | RRC, SMS, NAS, RAB HSD\_ENH, IR\_U, AGPS, HSU\_ENH, HS\_ENH |
| Please power off the UE | All ATSs |
| Please power on the UE | All ATSs |
| Please switch off the UE | All ATSs |
| Please switch on the UE | All ATSs |
| Please insert the USIM card into the UE | All ATSs |
| Please remove the USIM card into the UE | All ATSs |
| Please check that the DTCH is through connected by generating a noise | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, AGPS, HSU\_ENH |
| Configure UE for an MO Telephony call | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, AGPS, HSU\_ENH, HS\_ENH |
| Configure UE for an Emergency call | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, AGPS, HSU\_ENH, HS\_ENH |
| Configure UE for an MT telephony call | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, AGPS, HSU\_ENH, HS\_ENH |
| Please set UE in operation mode C (PS services only) | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, AGPS, HSU\_ENH, HS\_ENH |
| Please set UE in operation mode A (to support simultaneous CS and PS services) | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, AGPS, HSU\_ENH, HS\_ENH |
| Please configure UE to use the following emergency number <p\_EmergencyNumber> | RRC, SMS, NAS, RAB, HSD\_ENH, IR\_U, A-GPS, HSU\_ENH, HS\_ENH |
| Please initiate a non call related supplementary service which is supported by the UE | NAS |
| Please insert Test USIM programmed with Access Class: <p\_AccessClass> | NAS |
| Please insert 2nd SIM card with short IMSI | NAS, SMS, AGPS |
| Please initiate an autocalling call with the number: <p\_AutocallingNumber> | NAS |
| Please initiate an autocalling call with a number that will be put in the blacklisted list. The following number shall not be used: <p\_AutocallingNumber> | NAS |
| Please reset the autocalling list of blacklisted numbers | NAS |
| Please initiate a DTMF tone with the character <p\_Character> and the tone duration <p\_ToneDuration> | NAS |
| Please enable call refusal on the UE | NAS |
| Please check that the DTMF tone indication has been generated | NAS |
| Please insert another USIM card as required for test case tc\_9\_4\_5\_4\_6. The PLMN selector on the USIM card shall contain entries for PLMNs MCC='022'H, MNC='01F'H resp. MCC='022'H , MNC='03F'H. The latter PLMN shall be ranked better than the first one | NAS |
| Please trigger UE to initiate a Detach procedure for non-PS services only | NAS |
| Please check that the mobile indicates the reception of a message with message id: <p\_MessageId > and message code: <p\_MessageCode> | SMS |
| Please check the length of the received Short Message: <p\_LengthMessage> and the contents of the received Short Message: <p\_Message> | SMS |
| Please send an SMS COMMAND message containing a request to delete the previously submitted Short Message | SMS |
| Please send an SMS COMMAND message containing an enquiry about the previously submitted Short Message | SMS |
| Please check that NO recalled Short Message is displayed | SMS |
| Please check that the reception of a received Short Message is indicated | SMS |
| Please check that the Mobile does not indicate the reception of a new message with message id: <p\_MessageId> and message code: <p\_MessageCode> | SMS |
| Please check that NO reception of a received Short Message of type 0 is indicated | SMS |
| Please insert the USIM card of type B into the UE | MAC |
| Please insert the USIM card, with information given in <p\_TestCase> | RRC, NAS, IR\_U, HSU\_ENH, HS\_ENH |
| Please check that the UE display the registered PLMN as PLMN <p\_PLMN> | RRC, HSU\_ENH, HS\_ENH |
| Please insert the USIM card, with Type A EFACC | RRC |
| Please insert the USIM card, with Type B EFACC | RRC |
| Please trigger UE to send three SNDCP PDUs of 500 bytes each on SAPI 11 | IR\_G |
| Please trigger PDP Context Activation Type 2 in UE | IR\_G |
| Please trigger MO-LR for position estimate | AGPS |
| Please trigger MO-LR for assistance data | AGPS |
| Please trigger MO-LR for transfer to 3rd party | AGPS |
| Please check that the UE displays the correct information about the LCS client | AGPS |
| Please accept the location request within 20 s | AGPS |
| Please deny the location request within 20 s | AGPS |
| Please do not reply to the location request | AGPS |
| Please check that the UE notifies the user of the location request | AGPS |
| If the UE does not support the RESET command defined in 34.109, please ensure that the UE has no assistance data stored before running this test case | AGPS |
| Please trigger UE to send 10 kbytes of data on SAPI 3 | IR\_G |
| Please trigger UE to send 1 kbyte of data on SAPI 3 | IR\_G |
| Please check that in the manual PLMN list the UE display: <p\_PLMN\_List> | HSU\_ENH |
| Please check that UE displays no service or no network available | HSU\_ENH, HSPA8\_ENH |
| Please check that in the manual PLMN list the UE displays the PLMN with the following information:  - <p\_PLMN\_List1> offers voice call, SMS and PS data services  - <p\_PLMN\_List2> offers voice call services  - <p\_PLMN\_List3> offers PS data services | HS\_ENH |
| Please check that in the manual PLMN list the UE indicates that:  - <p\_PLMN1> is present on the the User Controlled PLMN List  - <p\_PLMN2> is present on the Forbidden list  - <p\_PLMN3> is present on the Operator Controlled PLMN List | HS\_ENH |
| Please insert the USIM card with an empty CSG allowed list | HSPA8\_ENH |
| Please switch the PLMN selection mode of the UE to manual CSG selection | HSPA8\_ENH |
| Please switch the PLMN selection mode of the UE to automatic CSG selection | HSPA8\_ENH |
| Please select the following CSG manually: MCC = <p\_MCC>, MNC = <p\_MNC>, CSG = <p\_CSG> | HSPA8\_ENH |
| Please check that in the manual CSG list the UE display: <p\_CSG1> accessible, <p\_CSG2> not accessible | HSPA8\_ENH |
| Please check that the Mobile UE indicates the reception of ETWS data <p\_ETWS\_Data> and alerts or activate alerting the user. | HSPA8\_ENH |
| Please check that the Mobile UE does NOT indicate the reception of ETWS data <p\_ETWS\_Data> and not alert, nor activate alerting the user | HSPA8\_ENH |
| Please set the PLMN selection operation mode at switch on in the UE to automatic network selection | HSPA7\_ENH |
| Please set the PLMN selection operation mode at switch on in the UE to manual network selection | HSPA7\_ENH |

## B.1.13 A-GPS test suite parameters declarations

These parameters are used in the A-GPS ATS.

Table B.1.13: A-GPS PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_GpsScenario | Pre-defined GPS scenario to be loaded by the upper tester in the Satellite Simulator. See 3GPP TS 34.108 [3], clause 10.7. Minimum value:0, Maximum value: 31 | GpsScenarioType | 0 |  |
| px\_GeoInfo | Geographical information to be sent as Location Estimate in FACILITY message from the System Simulator. | Ext\_GeographicalInformation | 9032B9D66360B600323C3C006544 |  |
| px\_LcsClientName | LCS Client name | IA5String | OPERATOR |  |
| px\_LcsClientAddressTOA | LCS Client external address  TOA | B4 | '1001'B |  |
| px\_LcsClientAddressNPI | LCS Client external address  NPI | B4 | '0001'B |  |
| px\_LcsClientAddressDigits | LCS Client external address  Digits | IA5String | 0123456 |  |
| px\_ResetStoredInfo | Support of RESETUEPOSITIONINGSTOREDINFORMATION command as defined in 3GPP TS 34.109 [4], clause 6.10 | BOOLEAN | TRUE |  |
| px\_UeLcsNotification | Value for UE LCS Notification timeout timer (in seconds) | INTEGER | 20 |  |

## B.1.14 HSD\_ENH test suite parameters declarations

These parameters are used in the HSD\_ENH ATS.

Table B.1.14: HSD\_ENH PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_GERANIu\_RadioAccessCapability | MS GERAN Iu mode Radio Access Capability | BITSTRING |  |  |
| px\_RAB\_HS\_Exec128\_384Supp | TRUE enforces execution of optional UL 128 Kbps RAB HSDPA test cases, when UE supports UL384 Kbps | BOOLEAN | FALSE |  |
| px\_RAB\_HS\_Exec64\_384Supp | TRUE enforces execution of optional UL 64 Kbps RAB HSDPA test cases, when UE supports UL 384 kbps | BOOLEAN | FALSE |  |
| px\_RAB\_HS\_Exec64\_128Supp | TRUE enforces execution of optional UL 64 Kbps RAB HSDPA test cases, when UE supports UL128 kbps | BOOLEAN | FALSE |  |
| px\_CMAS\_CB\_Data01 | Contents of the first CMAS Cell Broadcast Message of 90 characters. | IA5String | "First CMAS message: CMAS Presidential Alert. ABCDEFGHIJKLMNOPQRSTUVWXYZ123456890abcdefghijklmnopqrst" |  |
| px\_CMAS\_CB\_Data02 | Contents of the second CMAS Cell Broadcast Message of 90 characters. | IA5String | "Second CMAS message: CMAS Imminent Threat Alert – Severity: Extreme, Urgency: Immediate. ABCDEFGHIJ” |  |
| px\_CMAS\_CB\_Data03 | Contents of the third CMAS Cell Broadcast Message of 90 characters. | IA5String | "Third CMAS message: CMAS Child Abduction Emergency. ABCDEFGHIJKLMNOPQRSTUVWXYZ123456890abcdefghijklm" |  |

## B.1.15 HSU\_ENH test suite parameters declarations

These parameters are used in the HSU\_ENH ATS.

Table B.1.15: HSU\_ENH PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_ExecNon\_FDPCH\_When\_FDPCHSupp | To execute Non-FDPCH test case when fully FDPCH is supported | BOOLEAN | TRUE |  |

## B.1.16 HS\_ENH test suite parameters declarations

These parameters are used in the HS\_ENH ATS.

Table B.1.16: HS\_ENH PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| Void |  |  |  |  |

## B.1.17 Audit capabilities test suite parameters declarations

These parameters are used in the audit capabilities test case.

Table B.1.17.1: UTRA audit capabilities PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_MaxNumberROHC\_ContextSessions | Maximum number of ROHC context sessions, see 3GPP TS 25.331 [21], clause 10.3.3.24 | MaxROHC\_ContextSessions\_r4 |  |  |
| px\_ReverseDecompressionDepth | Reverse decompression depth, see 3GPP TS 25.331 [21], clause 10.3.3.24 | INTEGER |  |  |

Table B.1.17.2: GERAN audit capabilities PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_8PSK\_PowerCap | Radio Capability used for 8PSK modulation, see 3GPP TS 24.008 [9], clause 10.5.5.12a | B2 |  |  |
| px\_Alt\_EFTA\_MultislotClass | Alternative Enhanced Flexible Timeslot Assignment Multislot Class, see 3GPP TS 24.008 [9], clause 10.5.5.12a | B4 |  |  |
| px\_EGPRS\_MultislotClass | Integer representation of the multislot class, see 3GPP TS 24.008 [9], clause 10.5.5.12a | INTEGER |  |  |
| px\_GERAN\_to\_EUTRA\_Support | GERAN to E-UTRA support in GERAN packet transfer mode, see 3GPP TS 24.008 [9], clause 10.5.5.12a | B2 |  |  |
| px\_GMSK\_PowerCap | Power Class used for GMSK with the indicated Access Technology, see 3GPP TS 24.008 [9], clause 10.5.5.12a | B3 |  |  |
| px\_GPRS\_MultislotClass | Integer representation of the multislot class, see 3GPP TS 24.008 [9], clause 10.5.5.12a | INTEGER |  |  |
| px\_Multislot\_Capability\_Reduction\_for\_Downlink\_Dual\_Carrier | Multislot Capability Reduction for Downlink Dual Carrier, see 3GPP TS 24.008 [9], clause 10.5.5.12a | B3 |  |  |

Table B.1.17.3: E-UTRA audit capabilities PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_eMaxNumberROHC\_ContextSessions | Maximum number of ROHC context sessions | maxNumberROHC\_ContextSessions\_Type |  |  |
| px\_InterFreqMeasBandList\_eBand1 | Indicates need for measurement gaps when operating on the E‑UTRA band 1 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand2 | Indicates need for measurement gaps when operating on the E‑UTRA band 2 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand3 | Indicates need for measurement gaps when operating on the E‑UTRA band 3 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand4 | Indicates need for measurement gaps when operating on the E‑UTRA band 4 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand5 | Indicates need for measurement gaps when operating on the E‑UTRA band 5 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand6 | Indicates need for measurement gaps when operating on the E‑UTRA band 6 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand7 | Indicates need for measurement gaps when operating on the E‑UTRA band 7 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand8 | Indicates need for measurement gaps when operating on the E‑UTRA band 8 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand9 | Indicates need for measurement gaps when operating on the E‑UTRA band 9 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand10 | Indicates need for measurement gaps when operating on the E‑UTRA band 10 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand11 | Indicates need for measurement gaps when operating on the E‑UTRA band 11 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand12 | Indicates need for measurement gaps when operating on the E‑UTRA band 12 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand13 | Indicates need for measurement gaps when operating on the E‑UTRA band 13 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand14 | Indicates need for measurement gaps when operating on the E‑UTRA band 14 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand17 | Indicates need for measurement gaps when operating on the E‑UTRA band 17 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand18 | Indicates need for measurement gaps when operating on the E‑UTRA band 18 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand19 | Indicates need for measurement gaps when operating on the E‑UTRA band 19 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand20 | Indicates need for measurement gaps when operating on the E‑UTRA band 20 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterFreqMeasBandList\_eBand21 | Indicates need for measurement gaps when operating on the E‑UTRA band 21 and measuring other supported E‑UTRA bands. | InterFreqBandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand1 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 1 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand2 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 2 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand3 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 3 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand4 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 4 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand5 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 5 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand6 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 6 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand7 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 7 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand8 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 8 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand9 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 9 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand10 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 10 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand11 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 11 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand12 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 12 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand13 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 13 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand14 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 14 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand17 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 17 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand18 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 18 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand19 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 19 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand20 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 20 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |
| px\_InterRAT\_MeasBandList\_eBand21 | Indicates need for DL measurement gaps when operating on the E‑UTRA band 21 and measuring other supported inter-RAT bands | interRAT\_BandList |  |  |

## B.1.18 eCall and HSPA8 test suite parameters declarations

These parameters are used in the eCall and HSPA8 ATS.

Table B.1.18: eCall and HSPA8 PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_eCall\_TestNumber | Number digits of the test number used in eCall Test Call.  Numbers are in the order: Digit 1, Digit 2, Digit 3, etc (see 3GPP TS 24.008 [9], clause 10.5.4.7) | IA5String | "123456" |  |
| px\_eCall\_ReconfNumber | Number digits of the reconfiguration number used in eCall Reconfiguration Call.  Numbers are in the order: Digit 1, Digit 2, Digit 3, etc (see 3GPP TS 24.008 [9], clause 10.5.4.7) | IA5String | "987654" |  |
| px\_ETWS\_BMC\_CB\_RepPeriod | CB repetition period for ETWS CB message | INTEGER | 2 |  |
| px\_ETWS\_BMC\_NoOfBC\_Req | No of broadcasts requested for ETWS CB message | INTEGER | 2 |  |
| px\_ETWS\_SMS\_CB\_Data01 | Contents of the first ETWS Cell Broadcast Message sent will be converted to an OCTETSTRING | IA5String\_BMC | "First ETWS Cell Broadcast Message" |  |
| px\_ETWS\_SMS\_CB\_Data02 | Contents of the second ETWS Cell Broadcast Message sent will be converted to an OCTETSTRING | IA5String\_BMC | "Second ETWS Cell Broadcast Message" |  |
| px\_ETWS\_SMS\_CB\_Data03 | Contents of the third ETWS Cell Broadcast Message sent will be converted to an OCTETSTRING | IA5String\_BMC | "Third ETWS Cell Broadcast Message" |  |
| px\_ETWS\_SMS\_CB\_Data04 | Contents of the fourth ETWS Cell Broadcast Message sent will be converted to an OCTETSTRING | IA5String\_BMC | "Fourth ETWS Cell Broadcast Message" |  |
| px\_ETWS\_SMS\_CB\_Data05 | Contents of the fifth ETWS Cell Broadcast Message sent will be converted to an OCTETSTRING | IA5String\_BMC | "Fifth ETWS Cell Broadcast Message" |  |
| px\_ETWS\_SMS\_CB\_Data06 | Contents of the sixth ETWS Cell Broadcast Message sent will be converted to an OCTETSTRING | IA5String\_BMC | "Sixth ETWS Cell Broadcast Message" |  |
| px\_ETWS\_TimeZone | Value of the Time Zone in ETWS cell broadcast message | TZONES | 0 |  |

## B.1.19 IR\_U test suite parameters declarations

These parameters are used in the IR\_U ATS.

Table B.1.19: IR\_U PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_ITURegion1\_GSM\_BandsUnderTest | Indicates the GSM band under test for ITU region 1 | ITURegion1\_GSM\_BandsUnderTest |  |  |
| px\_ITURegion2\_GSM\_BandsUnderTest | Indicates the GSM band under test for ITU region 2 | ITURegion2\_GSM\_BandsUnderTest |  |  |
| px\_ITURegion1\_SecondaryFDD\_Band | Indicates the secondary FDD band under test for ITU region 1 | ITURegion1\_FDD\_Band |  |  |
| px\_ITURegion2\_SecondaryFDD\_Band | Indicates the secondary FDD band under test for ITU region 2 | ITURegion2\_FDD\_Band |  |  |

## B.1.20 TTCN-3 test suite parameters declarations

These parameters are used in the TTCN-3 test suites.

Table B.1.20: TTCN-3 PIXIT

| Parameter Name | Description | Type | Default Value | Supported Value |
| --- | --- | --- | --- | --- |
| px\_AnrForUtranMeasLogWaitTime | Time required by UE to measure, detect and log an ANR cell in idle mode, CELL\_PCH and URA\_PCH. Value in seconds in the range of 1 to 60 seconds | integer | 15 s |  |

Annex C (informative):  
Additional information to IXIT

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Additional information may be provided when completing the IXIT questions listed in annex A.

# C.1 Identification Summary

Table C.1 is completed by the test laboratory. The item "Contract References" is optional.

Table C.1: Identification Summary

|  |  |
| --- | --- |
| **IXIT Reference Number** |  |
| **Test Laboratory Name** |  |
| **Date of Issue** |  |
| **Issued to (name of client)** |  |
| **Contract References** |  |

# C.2 Abstract Test Suite Summary

In table C.2 the test laboratory provides the version number of the protocol specification and the version number of ATS which are used in the conformance testing.

Table C.2: ATS Summary

|  |  |
| --- | --- |
| **Protocol Specification** | 3GPP TS 25.331 |
| **Version of Protocol Specification** |  |
| **Test Specification in prose** | 3GPP TS 34.123-1 |
| **Version of TSS & TP Specification** |  |
| **ATS Specification** | 3GPP TS 34.123-3 |
| **Version of ATS Specification** |  |
| **Abstract Test Method** | Distributed Test Method |

# C.3 Test Laboratory

## C.3.1 Test Laboratory Identification

The test laboratory provides the following information.

Table C.3.1: Test Laboratory Identification

|  |  |
| --- | --- |
| **Name of Test Laboratory** |  |
| **Postal Address** |  |
| **Office address** |  |
| **e-mail address** |  |
| **Telephone Number** |  |
| **FAX Number** |  |

## C.3.2 Accreditation status of the test service

The test laboratory provides the following information.

Table C.3.2: Accreditation status of the test service

|  |  |
| --- | --- |
| **Accreditation status** |  |
| **Accreditation Reference** |  |

## C.3.3 Manager of Test Laboratory

The test laboratory provides the information about the manager of test laboratory in table C.3.3.

Table C.3.3: Manager of Test Laboratory

|  |  |
| --- | --- |
| **Name of Manager of Test Laboratory** |  |
| **e-mail address** |  |
| **Telephone Number** |  |
| **FAX Number** |  |
| **E-mail Address** |  |

## C.3.4 Contact person of Test Laboratory

The test laboratory provides the information about the contact person of test laboratory in table C.3.4.

Table C.3.4: Contact person of Test Laboratory

|  |  |
| --- | --- |
| **Name of Contact of Test Laboratory** |  |
| **e-mail address** |  |
| **Telephone Number** |  |
| **FAX Number** |  |
| **E-mail Address** |  |

## C.3.5 Means of Testing

In table C.3.5, the test laboratory provides a statement of conformance of the Means Of Testing (MOT) to the reference standardized ATS, and identifies all restrictions for the test execution required by the MOT beyond those stated in the reference standardized ATS.

Table C.3.5: Means of Testing

|  |
| --- |
| Means of Testing |
|  |

## C.3.6 Instructions for Completion

In table C.3.6, the test laboratory provides any specific instructions necessary for completion and return of the proforma from the client.

Table C.3.6: Instruction for Completion

|  |
| --- |
| Instructions for Completion |
|  |

# C.4 Client

## C.4.1 Client Identification

The client provides the identification in table C.4.1.

Table C.4.1: Client Identification

|  |  |
| --- | --- |
| **Name of Client** |  |
| **Postal Address** |  |
| **Office Address** |  |
| **Telephone Number** |  |
| **FAX Number** |  |

## C.4.2 Client Test Manager

In table C.4.2 the client provides information about the test manager.

Table C.4.2: Client Test Manager

|  |  |
| --- | --- |
| **Name of Client Test Manager** |  |
| **Telephone Number** |  |
| **FAX Number** |  |
| **E-mail Address** |  |

## C.4.3 Client Contact person

In table C.4.3 the client provides information about the test contact person.

Table C.4.3: Client Contact person

|  |  |
| --- | --- |
| **Name of Client contact person** |  |
| **Telephone Number** |  |
| **FAX Number** |  |
| **E-mail Address** |  |

## C.4.4 Test Facilities Required

In table C.4.4, the client records the particular facilities required for testing, if a range of facilities is provided by the test laboratory.

Table C.4.4: Test Facilities Required

|  |
| --- |
| Test Facilities Required |
|  |

# C.5 System Under Test

## C.5.1 SUT Information

The client provides information about the SUT in table C.5.1.

Table C.5.1: SUT Information

|  |  |
| --- | --- |
| **System Name** |  |
| **System Version** |  |
| **SCS Reference** |  |
| **Machine Configuration** |  |
| **Operating System Identification** |  |
| **IUT Identification** |  |
| **ICS Reference for the IUT** |  |

## C.5.2 Limitations of the SUT

In table C.5.2, the client provides information explaining if any of the abstract tests cannot be executed.

Table C.5.2: Limitation of the SUT

|  |
| --- |
| Limitations of the SUT |
|  |

## C.5.3 Environmental Conditions

In table C.5.3 the client provides information about any tighter environmental conditions for the correct operation of the SUT.

Table C.5.3: Environmental Conditions

|  |
| --- |
| Environmental Conditions |
|  |

# C.6 Ancillary Protocols

This clause is completed by the client in conjunction with the test laboratory.

In the following tables, the client identifies relevant information concerning each ancillary protocol in the SUT other than the IUT itself. One table for one ancillary protocol.

Based on the MOT the test laboratory should create question proforma for each ancillary protocol in the blank space following each table. The information required is dependent on the MOT and the SUT, and covers all the addressing, parameter values, timer values and facilities (relevant to ENs) as defined by the ICS for the ancillary protocol.

## C.6.1 Ancillary Protocols 1

Table C.6.1: Ancillary Protocol 1

|  |  |
| --- | --- |
| **Protocol Name** |  |
| **Version number** |  |
| **ICS Reference (optional)** |  |
| **IXIT Reference (optional)** |  |
| **PCTR Reference (optional)** |  |

## C.6.2 Ancillary Protocols 2

Table C.6.2: Ancillary Protocol 2

|  |  |
| --- | --- |
| **Protocol Name** |  |
| **Version number** |  |
| **ICS Reference (optional)** |  |
| **IXIT Reference (optional)** |  |
| **PCTR Reference (optional)** |  |

Annex D (informative):  
PCTR Proforma

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PROTOCOL

Conformance Test Report

(PCTR)

Universal Mobile Telecommunication System, UMTS,

User Equipment-Network Access

Layer 3 Signalling Functions

|  |  |
| --- | --- |
| Test Candidate |  |
| Name: | SUT name |
| Model: | model |
| H/W version: | hw |
| S/W version: | sw |
| Serial No.: | serienr |

|  |  |
| --- | --- |
| Client |  |
| Name: |  |
| Street / No.: |  |
| Postal Code / City: |  |
| Country: |  |

|  |
| --- |
| *This Test Report shall not be reproduced except in full without the written permission of TEST LAB REFERENCE, and shall not be quoted out of context.* |

Annex E (informative):  
TTCN style guide for 3GPP ATS

# E.1 Introduction

This annex provides a set of coding standards and development guidelines for use in the development of TTCN abstract test suites for ensuring that user equipment for the 3GPP standard conforms to the relevant core specifications.

The following items are assumed to exist, but their specification is outside the scope of this annex.

- A complete unambiguous prose detailing all test cases to be implemented.

- A complete unambiguous set of core specifications.

- A complete unambiguous detailed description of all the messages that are to be sent.

- A tool or human process that can convert Test Suite Operation Definitions to physical processes within the test system or unit under test.

- An abstracted or generic application programmers interface to all hardware components in the system.

- A tool for the translation and/or compilation of ISO/IEC 9646 [41] series TTCN to run on a test platform.

It is recognized within the context of the 3GPP User Terminal that some of these items are not yet stabilized.

The structure of the present annex maps directly to the guidelines provided in ETR 141 [37]. Rules are repeated in the present annex for convenience, with additional information specific to 3GPP test suite development provided where relevant. For more detailed information or examples about the rules, see ETR 141 [37].

In the present annex, the terms 'should' and 'shall' are frequently used. For the purpose of this annex, the following definitions apply:

- **Shall** means that the rule must be adhered to for all ATS development. If a rule expressed in terms of 'shall' is not followed, either the ATS must be updated so that the rule is followed, or the rule in the coding conventions must be updated to resolve the difference.

- **Should** means that the rule is a guideline. If a rule expressed in terms of 'should' is broken, a brief comment should be provided describing why the guideline does not apply.

# E.2 ETR 141 rules and applicability

|  |
| --- |
| RULE 1: Statement of naming conventions |
| Naming conventions should be explicitly stated. Naming conventions should not exist only for a single ATS, and the reader of an ATS should not be forced to "derive" the rules implicitly. The naming conventions should be part of the ATS conventions contained in the ATS specification document. |

Names used in the present annex are comprised of a prefix part and a name body part. Conventions for deriving prefixes and name bodies are described after Rule 3 in the present annex.

|  |
| --- |
| RULE 2: Coverage of naming conventions |
| Naming conventions stated should, as a minimum, cover the following TTCN objects:  - test suite parameters/constants/variables;  - test case variables;  - formal parameters;  - timers;  - PDU/ASP/structured types;  - PDU/ASP/structured types constraints;  - test suite operations;  - aliases;  - test case/test step identifiers. |

|  |
| --- |
| RULE 3: General properties of naming conventions |
| **a) Protocol standard aligned**  When there is a relationship between objects defined in the ATS and objects defined in the protocol standard, e.g. PDU types, the same names should be used in the ATS if this does not conflict with the character set for TTCN identifiers or with other rules. In case of a conflict, similar names should be used.  **b) Distinguishing**  The naming conventions should be defined in such a way, that objects of different types appearing in the same context, e.g. as constraint values, can be easily distinguished.  **c) Structured**  When objects of a given type allow a grouping or structuring into different classes, the names of these objects should reflect the structuring, i.e. the names should be composed of 2 or more parts, indicating the particular structure elements.  **d) Self-explaining**  The names should be such that the reader can understand the meaning (type/value/contents) of an object in a given context. When suffixes composed of digits are used, it is normally useful to have some rule expressed explaining the meaning of the digits.  **e) Consistent**  The rules stated should be used consistently throughout the document, there should be no exceptions.  **f) Appropriate name length**  Following the above rules extensively may occasionally lead to very long names, especially when structuring is used. The names should still be easily readable. When TTCN graphical form (TTCN.GR) is used, very long names are very inconvenient.  NOTE: Also, test tools may not be able to implement very long identifier names, which is an important aspect in this context. |

## E.2.1 Multiple words are separated by upper case letters at the start of each word

Many names consist of more words, and it shall be easy to distinguish the different words building up the same name. For all TTCN Object classes this is done using the case of the letters.

This rule is mandatory for all names appearing in the body of a dynamic behaviour table, and is recommended for all other TTCN object classes.

Generally every word a name consists of shall start with an upper case letter and the rest of this word shall be in lower case letters.

- E.g.: "channel" + "description" -> "ChannelDescription".

This rule also applies if a word starts after another upper case letter.

- E.g.:. "px" + "Cell" + "A" + "Cell" + "Id" -> px\_CellACellId.

This rule also applies if the name has a prefix, which is always lower case.

- E.g.: A test case variable "sequence" + "number" -> tcv\_SequenceNumber.

This rule does not apply if the word is a unit, in which case the word retains it's original case.

- E.g.: Power level 1.5 dBm ->PowerLvl1\_5dBm.

This rule does not apply if the word in the name is an acronym, in which case the word retains it's normal case.

- If an acronym is followed by another word, an underscore shall be used to separate the acronym from the following word. If an acronym is followed by a number in order to represent an identity (e.g. channel or radio bearer identity) then this acronym is not followed by an underscore.  
E.g.: "this" + "Is" + "SIM" + "Message" + "With" + "CC" + "And" + "RR" + "Things" + "In" + "It" -> "thisIsSIM\_MessageWithCC\_AndRR\_ThingsInIt".

- An exception to acronyms retaining their case is if the name is a field / element / parameter in a structured type / PDU / ASP, in which case it must start with a lower case letter.  
E.g.: "SCH" + "info" + "element" -> "sCH\_InfoElement".

- A further exception to acronyms retaining their case is if the name is an ASN.1 constraint, in which case, in which case the first letter is upper case, and the remaining letters are lower case.

For all objects used in the body of dynamic behaviour tables, use of underscores is forbidden, except for the following situations:

- As a replacement for a '.'. E.g. Test case that maps to prose clause 7.2.3.1 -> tc\_7\_2\_3\_1.

- To separate prefixes from names.

- To separate acronyms from the following word.

- To separate a number from the following word.

- To replace hyphens when types are re-used / imported from core specifications. This applies to types imported from ASN.1 definitions, and to names derived from table definitions in core specifications.

- To separate an ASP name from the embedded PDU name when the metatype PDU is not used.  
E.g. RRC\_DataInd\_ConnAck for an RRC data indication ASP with an embedded CONNECT ACKNOWLEDGE PDU.

## E.2.2 Identifiers shall be protocol standard aligned

To support rule 3(a), the mapping guidelines in table E.2.2 shall be used. This mapping table also supports rule 6.

Table E.2.2: Mapping guidelines between protocol standards and identifiers

|  |  |
| --- | --- |
| Type | Naming rule |
| Objects of Structured Type | Shall be derived from the name of the Information Element in the standard, if it corresponds to this (use standard acronyms where appropriate).  E.g.: "Window Size super-field" -> "WindowSizeSUFI" |
| Fields in a Structured Type | Shall be derived from the name of the same field in the corresponding Information Element in the standard. (Acronyms for the entire field name shall not be used)  E.g.: "Header Extension Type" -> "headerExtensionType" (not "HE") |
| Objects of ASP type | Shall be derived from the name of the corresponding Service Primitive in the Standard, using any relevant abbreviations from the present annex. The full name as it appears in the core specification shall be included in parentheses after the name.  E.g.: "CRLC-SUSPEND-Conf" -> "CRLC\_SuspendCnf (CRLC-SUSPEND-Conf)"  If the metatype PDU is not used, the ASP name shall reflect both the ASP, and the embedded PDU name, using an underscore to separate the ASP part from the PDU part.  E.g.: DataReq\_StartDTMF\_Ack for an RRC-DATA-Req with an embedded START DTMF ACKNOWLEDGE PDU |
| Objects of PDU type | Shall have exactly the same name as the Message it corresponds to in the standard. If this Message is named by more words, they shall be joined, leaving the blanks out  E.g.: "AMD PDU" -> "AMDPDU". |

## E.2.3 Identifiers shall be distinguishing (use of prefixes)

To support rules 2, 3(b), 4, and 5, the prefixes shown in table E.2.3.1 shall be used for TTCN objects. Prefixes are separated from the name by an underscore to improve readability by clearly separating the prefix from the name. This convention will also support searching operations. For example, a search for all uses of PIXIT parameters in the test suite is possible by searching for 'px\_'.

The optional *<protocol>* part shall be included in the name when the object is closely related to the protocol (e.g. PICS, some PIXIT parameters), it is necessary to be unambiguous or improves comprehension significantly (e.g. no need to think about protocol stacks on all used interfaces during reading). The optional *<protocol>* part shall be used for types defined in common modules.

Table E.2.3.1: Prefixes used for TTCN objects

| TTCN object | Case of first character | Prefix | Comment |
| --- | --- | --- | --- |
| Test Suite | Upper | - |  |
| TTCN Module | Upper | - |  |
| Simple Type | Upper | [<protocol>\_] | Note 8 |
| Structured Type | Upper | [<protocol>\_] | Note 8 |
| Element in Structured Type | Lower | - |  |
| ASN.1 Type | Upper | [<protocol>\_] | Note 8 |
| Element in ASN.1 Type | Lower | - |  |
| Test Suite Operation | Upper | o\_[<protocol>\_] | Notes 1 and 8 |
| TSO Procedural Definition | Upper | o\_[<protocol>\_] | Notes 1 and 8 |
| Formal Parameter to TSO or TSOP | Upper | p\_ |  |
| Test Suite Parameter (PICS) | Upper | pc\_[<protocol>\_] | Note 8 |
| Test Suite Parameter (PIXIT) | Upper | px\_[<protocol>\_] | Note 8 |
| Test Case Selection Expression | Upper | [<protocol>\_] | Note 8 |
| Test Suite Constant | Upper | tsc\_[<protocol>\_] | Note 8 |
| Test Suite Variable | Upper | tsv\_[<protocol>\_] | Note 8 |
| Test Case Variable | Upper | tcv\_[<protocol>\_] | Note 8 |
| PCO Type | Upper | - |  |
| PCO | Upper | - | Note 2 |
| CP | Upper | cp\_ | Note 2 |
| Timer | Upper | t\_[<protocol>\_] | Note 8 |
| Test Component | Upper | mtc\_[<protocol>\_] or ptc\_[<protocol>\_] | Notes 3 and 8 |
| Test Component Configuration | Upper | - |  |
| ASP Type | Upper | [<protocol>\_] | Notes 4 and 8 |
| Parameters within ASP Type | Lower | - | Note 4 |
| PDU Type | Upper | [<protocol>\_] | Notes 4 and 8 |
| Fields within PDU Type | Lower | - | Note 4 |
| Encoding Definition | Upper | enc\_ |  |
| Encoding Variation | Upper | var\_ |  |
| Invalid Field Encoding Variation | Upper | inv\_ |  |
| CM Type | Upper | cm\_ |  |
| Field within CM Type | Lower | - |  |
| Alias | Upper | a\_ |  |
| ASP constraint | Upper | ca[b|d][s|r|w]\_[<protocol>\_] | Notes 5 and 8 |
| PDU constraints | Upper | c[b|d][s|r|w]\_[<protocol>|AA|108] | Notes 5, 8 and 10 |
| Constraint (other types) | Upper | c[b|d][s|r|w]\_[<protocol>\_] | Notes 5 and 8 |
| Formal Parameter for a Constraint | Upper | p\_ |  |
| Test Case Group | Upper | <protocol>/ | Note 8 |
| Test Step Group | Upper |  |  |
| Test Case | Upper | tc\_ | Note 6 |
| Test Step | Upper | (ts\_|pr\_|po\_)<CN domain>\_<protocol>\_ | Notes 7, 8 and 9 |
| Local tree | Upper | lt\_ |  |
| Defaults | Upper | <protocol>\_ | Note 8 |
| NOTE 1: Coding rules are not specified for test suite operation procedural definitions at this stage. These rules will be defined when the need arises  NOTE 2: A prefix is not used for PCO declarations, but is used for CP declarations. This is because PCOs and CPs will only be used in send and receive statements, and PCOs will be used more frequently than CPs. Since a PCO name or a CP name will be used on most behaviour lines, PCO names should be as short as possible - E.g. 2 to 3 characters.  NOTE 3: The prefix is mtc if the component role is MTC, or ptc if the component role is PTC. If multiple PTCs are used, the rest of the identifier will clarify which PTC is being referred to. E.g. ptc\_Cell1, ptc\_Cell2.  NOTE 4: This applies for both tabular and ASN.1 definitions.  NOTE 5: Constraint prefixes are built up from the following regular expression. c[a][b|d][s|r|w].  - 'c' shall always be present to indicate that the object is a constraint.  - 'a' shall be present for ASP constraints to distinguish them from PDU constraints.  - 'b' shall be present if and only if the constraint is used as a base constraint. (i.e. included in the derivation path of any other constraint).  - 'd' shall be present if the constraint is derived from another constraint.(i.e. has an entry in it's derivation path field)  - 'b' and 'd' cannot both be used in the same constraint, thereby limiting the derivation path to 1.  - For the purpose of the present note, the following definitions are required (see TR 101 666 [27] clause 12.6.2):  - The term 'field' is used to represent a structured type element, an ASP parameter, or a PDU field.  - A 'bound field' is a field that either contains a SpecificValue, or is Omitted (-).  - An 'unbound field' is a field that contains any of the following matching mechanisms: Complement, AnyValue (?), AnyOrOmit (\*), ValueList, Range, SuperSet, SubSet, AnyOne (?), AnyOrNone (\*), Permutation, Length, or IfPresent.  - 's' may optionally be present if the constraint is only used in send statements. 's' shall not be present if the constraint contains any unbound fields, or any fields chained to a constraint whose prefix includes 'w' or 'r'.  - 'r' may optionally be present if the constraint is only used in receive statements.  - 'w' may optionally be present to indicate that the constraint contains fields that are unbound. Before these constraints are used in SEND events, all unbound fields must either be bound by using a derived constraint, or explicitly assigned a value in the SEND event behaviour line.  - Either 'w' or 'r' shall be used if any fields in the constraint are unbound or are chained to a constraint whose prefix includes 'w' or 'r'.  NOTE 6: Test case names will correspond to the clause in the prose that specifies the test purpose. E.g. tc\_7\_2\_23\_2. An additional digit may be specified if more than one test case is used to achieve the test purpose. If an additional digit is required, this probably means that the test prose are not well defined.  NOTE 7: Test steps may optionally use the prefixes pr\_ or po\_ to indicate that the test step is a preamble or postamble respectively. | | | |
| NOTE 8: Protocol abbreviations are provided in table E.2.3.2. Protocol abbreviations may optionally be used to clarify the scope of TTCN objects, or to resolve conflicts when the same name is required by multiple protocols within the ATS. The protocol abbreviation indicates that the object is related to a particular procedure (e.g. an MM procedure). This does not prevent the object from being used by an ATS testing a different protocol. If an object is specific to one ATS, this should be indicated in comments, rather than using a protocol abbreviation (e.g. if a timer is only used in RLC tests this should be stated in the comments, rather than using the abbreviation RLC in the timer name).If two different types exist in the ATS that represent the same information (e.g. IMSI) conversion operations shall be used to ensure consistency between the types. Also, conversion operations shall be used to avoid asking the same PIXIT question twice. For example, if a type is defined as an OCTETSTRING[4] for a NAS protocol, and the same type is represented as a BITSTRING[32] for RRC, a single PIXIT question shall be asked, and conversion operations shall be used to ensure that the same value is used for both types.  NOTE 9: The prefixes CS and PS may optionally be used to indicate that a test step is specific to circuit switched, or packet switched signalling respectively. For test steps specific to the Upper Tester, the prefixes AT or MMI or UT shall be used to indicate that, respectively, AT or MMI or both types of commands are used.  NOTE 10: The prefix AA shall be used for RRC PDU constraints to indicate that it is defined in 3GPP TS 34.123-1 [1] annex A. The prefix 108 shall be used for RRC PDU constraints to indicated that it is defined in 3GPP TS 34.108 [3] clause 9. | | | |

Table E.2.3.2: Protocol abbreviations for prefixes

|  |
| --- |
| Protocol / prefix |
| BMC |
| CC |
| CS |
| GMM |
| MAC |
| MM |
| PDCP |
| RLC |
| RRC |
| SMS |
| SS |
| SUS (Supplementary services) |
| TC |

## E.2.4 Identifiers should not be too long (use standard abbreviations)

To assist in keeping TTCN identifiers shorter, table E.2.4 provides a non-exhaustive set of standard abbreviations that shall be used when naming objects that are used in the body of dynamic behaviour tables. Consistent use of abbreviations will improve test suite readability, and assist maintenance.

Table E.2.4: Standard abbreviations

| Abbreviations | Meaning |
| --- | --- |
| Acs | access |
| Acp | accept |
| Ack | acknowledge |
| act | activation |
| addr | address |
| (re)alloc | (re)allocated, (re)allocation |
| arg | argument |
| ass | assignment |
| auth | authentication |
| ava | avail, available |
| bCap | bearer capability |
| cau | cause |
| clg | calling |
| ch | channel |
| chk | check |
| ciph | cipher, ciphering |
| cld | called |
| clsmk | classmark |
| cmd | command |
| cmpl | complete |
| cnf | confirm |
| cfg | configuration |
| conn | connect |
| ctrl | control |
| def | default |
| descr | description |
| disc | disconnect |
| enq | enquiry |
| err | error |
| (re)est | (re)establish |
| ext | extended |
| fail | failure |
| ho | handover |
| id | identity / identification |
| ie | information element |
| iel | information element length |
| ind | indication |
| info | information |
| init | initialize |
| lvl | level |
| loc | location |
| locUpd | location update |
| max | maximum |
| mgmt | management |
| min | minimum |
| misc | miscellaneous |
| mod | modification |
| ms | mobile station |
| msg | message |
| mt | mobile terminal |
| neigh | neighbour |
| ntw | network |
| num | number |
| orig | origin/-al |
| pag | page/-ing |
| params | parameters |
| perm | permission |
| phy | physical |
| qual | quality |
| rand | random |
| ref | reference |
| reg | register |
| rej | reject |
| rel | release |
| req | request |
| rsp | response |
| rx | receiver |
| sel | selection |
| seq | sequence |
| serv | service |
| st | state |
| sysInfo | system information |
| sync | synchronization |
| sys | system |
| tx | transmitter |

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| --- |
| RULE 4: Specific naming rules for test suite parameters/constants/variables test case variables and formal parameters |
| 1. The name should reflect the purpose/objective the object is used for. 2. If the type is not a predefined one, it is useful that the name reflects the type, too. 3. It could be useful, that the individual naming conventions are not the same for all object classes this rule applies to. e.g. use upper case letters for test suite parameters/constants, and use one of the other possibilities presented in ETR 141 [37] example 1 for other object classes. |

See also ETR 141 [37], clauses 5.1 to 5.4 for further discussion on naming test suite parameters.

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| RULE 5: Specific naming rule for timers |
| If the timer is not defined in the protocol to be tested, the name should reflect the objective of the timer used for testing.  NOTE: There is no need to indicate the object type "timer" in the name, since timers only occur together with timer operations |

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| RULE 6: Specific naming rule for PDU/ASP/structured types |
| As far as applicable, derivation rules or mapping tables should be used to relate the names of the types to the corresponding objects in the protocol or service definition.  NOTE: There may be types, e.g. erroneous PDU types, that do not relate to an object in the protocol or service definition. |

Whenever names of types are derived from ASN.1 type definitions provided in the core specifications, the names shall remain the same as the ASN.1 specifications, and references shall be provided in the comment fields.

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| RULE 7: Specific naming rule for PDU/ASP/structured types constraints |
| Rules should be stated to derive the names from the names of the corresponding type definitions. It is often possible to use the type name plus an appropriate suffix reflecting the specific constraint value. In case of lengthy names, useful abbreviations or a defined numbering scheme can be chosen. |

Constraint names begin with the appropriate prefix, followed by the first letter of each word in the type, followed by words describing the peculiarity of the constraint. E.g. Type = RadioBearerSetupPDU, constraint name could be cb\_RBSP\_GenericUM\_DTCH.

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| RULE 8: Specific naming rule for test suite operations |
| The name should reflect the operation being performed.  i.e. the name should indicate an activity, not a status. This can be achieved e.g. by using appropriate prefixes like "check", "verify", etc. |

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| RULE 9: Specific naming rule for aliases |
| The name should reflect that aspect of its expansion, that is important in the situation where the alias is used. Derivation rules should be provided to derive the alias name from its macro expansion or from the name of an embedded ASP / PDU. |

See also ETR 141 [37], clauses 6.3.6 and 9 for further guidelines on naming aliases.

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| RULE 10: Specific naming rule for test steps |
| The name should reflect the objective of the test step. |

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| RULE 11: Selecting the ASN.1 format for type definitions |
| 1. If the protocol standard uses ASN.1 to specify the PDUs, the ATS specifier should also use ASN.1. 2. If the protocol standard does not use ASN.1, check carefully whether features of ASN.1 that the tabular format of type definition does not present are necessary in the ATS, or could ease the design and understanding of the definitions as a whole. Check especially whether fields or parameters have to be specified, the order of appearance of which, in a received ASP/PDU, cannot be predicted. If any of these conditions apply, use ASN.1 for type and ASP/PDU type declarations. 3. Use the option of "ASN.1 ASP/PDU type Definitions by Reference" whenever applicable. 4. Example 14 shows a compatibility problem that could occur, when ASN.1 type declarations as well as tabular type declarations are used in an ATS. Use the ATS Conventions to describe how this compatibility problem is handled in the ATS, i.e. whether in expressions and assignments entities defined in ASN.1 are only related to entities defined in ASN.1 or not. |

Names of ASN.1 objects shall be kept the same as the core specifications in this case, even where the names are at odds with the naming conventions adopted for other TTCN objects.

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| RULE 12: Further guidelines on type definitions |
| 1. Use simple type or ASN.1 type definitions whenever an object of a base type with given characteristics (length, range, etc.) will be referenced more often than once. 2. Use the optional length indication in the field type or parameter type column of structured type and ASP/PDU type definitions whenever the base standard/profile restricts the length.   NOTE 1: This can often be achieved by references to simple types.   1. Map the applicable ASPs/PDUs from the service/protocol standard to corresponding ASP/PDU type definitions in the ATS.   NOTE 2: It may happen that not all ASPs/PDUs of a service/protocol standard are applicable to a particular ATS for the related protocol. It may also happen that additional ASP/PDU type declarations are necessary, e.g. to create syntactical errors.   1. Map the structure of ASPs/PDUs in the service/protocol standard to a corresponding structure in the ATS.   NOTE 3: This mapping is not always one-to-one, e.g. because a field in the PDU definition of the protocol standard is always absent under the specific conditions of an ATS. But it should normally not happen, that a structured element in the protocol standard is expanded using the "<-" macro expansion, so that the individual fields are still referenced, but the structure is lost in the ATS. |

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| RULE 13: Specification of test suite operations |
| 1. Use a test suite operation only if it cannot be substituted by other TTCN constructs. 2. Write down the rationale/objective of the test suite operation.  Reference standards if applicable. 3. Classify and simplify algorithm. Split test suite operation if too complex. 4. Choose an appropriate specification language depending on the rationale/objective: - predicates for Boolean tests; - abstract data types for manipulation of ASN.1 objects; - programming languages for simple calculation. 5. Check/proof the test suite operation: - is the notation used known/explained; - are all alternative paths fully specified; - is the test suite operation returning a value in all circumstances; - are error situations covered (empty input variables, etc.). 6. State some evident examples. |

## E.2.5 Test suite operations must not use global data

All information required by test suite operations must be passed as formal parameters. This includes test suite variables, test case variables, test suite parameters, and constraints.

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| RULE 14: General aspects of specifying constraints |
| 1. Develop a design concept for the complete constraints part, particularly with respect to the "conflicting" features as indicated in items i) to iv) and including naming conventions (see ETR 141 [37] clause 6). 2. Make extensive use of the different optional "Comment" fields in the constraint declaration tables to highlight the peculiarity of each constraint. |

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| RULE 15: Relation between base constraints and modified constraints |
| 1. Define different base constraints for the send- and receive direction of a PDU (when applicable). 2. Use modified constraints preferably when only a small number of fields or parameter values are altered with respect to a given base.   NOTE 1: For SEND events the creation of a further modified constraint can sometimes be avoided, if an assignment is made in the SEND statement line, thus overwriting a particular constraint value.   1. Design the relation between base constraints and modified constraints always in connection with parameterization of constraints (see the two subsequent subclauses).   NOTE 2: Additional parameters in a constraint, introduced to avoid the declaration of further base/modified constraints can reduce the amount of constraints needed in an ATS, but then the constraint reference is getting more and more unreadable.   1. When modified constraints are used, keep the length of the derivation path small. The length of the derivation path (resulting from the number of dots in it) is a kind of nesting level, and it is known from experience that a length greater than 2 is normally difficult to overview and maintain. |

Modified constraints should not have a derivation path longer than 1. A modified constraint should not alter more than 5 values with respect to a given base constraint. If a constraint is used as a base constraint, it must have the prefix 'cb', to warn test suite maintainers / developers that any changes to this constraint may cause side effects.

Note that if an existing constraint without the 'cb' prefix is to be used as a base constraint, either a new, identical constraint with an 'cb' prefix must be created, or the existing constraint must be renamed to include the 'cb' prefix in all places it is referenced in the test suite.

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| RULE 16: Static and dynamic chaining |
| 1. Make a careful evaluation of which embedded PDUs are needed in ASPs/PDUs, in which (profile) environment the ATS may operate and which kind of parameterization for other parameters/fields is needed, to find an appropriate balance between the use of static and/or dynamic chaining in a particular ATS. 2. When the ATS is used in different profile environments and the types and values of embedded PDUs cannot be predicted, dynamic chaining is normally the better choice. 3. When static chaining is used, chose the name of the ASP/PDU constraint such that it reflects the peculiar value of the embedded PDU (see also the clause on naming conventions in ETR 141 [37]). |

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| RULE 17: Parameterization of constraints |
| 1. Make a careful overall evaluation of which field/parameter values are needed in ASPs and PDUs to find an appropriate balance between the aim of a comparably small number of constraint declarations and readable and understandable constraint references. 2. Keep the number of formal parameters small. Keep in mind, that the number of formal parameters in structured/ASN.1 types Constraints will add up to the total number of ASP/PDU constraints. A clear border for the number of formal parameters cannot be stated, but it is known from experience that a number bigger than 5 normally cannot be handled very well. |

Constraints should not be passed more than five parameters. Instead, more constraints should be defined. Related parameters can be grouped in new structured types to reduce the number of parameters that must be passed to constraints.

NOTE 1: The value five has been selected based on the recommendation in ETR 141 [37] rule 17. If more parameters are required, we can update this rule, or use more than 5 parameters, and provide documentation indicating why more parameters are required.

A constraint should not be passed parameters to that are not processed in that constraint. If for example a parameter is to be passed from a PDU constraint to a structured type constraint then the PDU constraint should be made specific and not have that parameter passed. The reason for this is that no editors as yet can trace through this mechanism and it becomes very difficult in a complex suite to see exactly what is being passed.

For example:

PduA ::= SEQUENCE {

infoElement1 InformationElementType1,

infoElement2 INTEGER

}

InformationElementType1 ::= SEQUENCE {

field1 INTEGER,

field2 INTEGER

}

cb\_PATypical( p\_Field1: INTEGER; p\_Field2: INTEGER ) ::= {

infoElement1 c\_IET1Typical( p\_Field1 ),

infoElement2 pField2

}

c\_IET1Typical( p\_Field1: INTEGER ) ::= {

field1 p\_Field1,

field2 5

}

In the example constraint cb\_PATypical, passing p\_Field1 through to a nested constraint is not allowed, but the use of p\_Field2 is acceptable.

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| RULE 18: Constraint values |
| 1. Use comments to highlight the peculiarity of the value, especially when the value is a literal, whose meaning is not apparent. 2. Use test suite constants instead of literals, when appropriate. Normally not all literals can be defined as Test Suite Constants, but a rule by thumb is: if a literal value of a given type occurs more than once (as a constraint value or more generally in an expression), then it is useful to define it as a Test Suite Constant, letting the name reflect the value. 3. Use the length attribute when possible and when the length is not implicit in the value itself or given by the type definition (e.g. for strings containing "\*"). |

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| RULE 19: Verdict assignment in relation to the test body |
| Make sure that verdict assignment within a default tree is in relation to the test body. If an unsuccessful event arising in the test body is handled by the default tree, then assign a preliminary result "(FAIL)" within the corresponding behaviour line of the default tree. If the position of the unsuccessful event is not in the test body, assign a preliminary result "(INCONCLUSIVE)". If the behaviour line handling the unsuccessful event is a leaf of the default tree, assign a final verdict instead. |

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| RULE 20: Test body entry marker |
| The entry of the test body should be marked. |

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| RULE 21: State variable |
| For realizing test purposes dependent on protocol states, use a variable to reflect the current state of the IUT. |

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| --- |
| RULE 22: State checking event sequences |
| Combine event sequences used for checking a state of the IUT within test steps. |

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| RULE 23: Easy adaptation of test steps to test cases |
| For easy adaptation of a test step to test case needs, parameterize the constraints used within a test step. |

Test steps may be parameterized, but with no more than five parameters. See also ETR 141 [37] clause12.2 and rule 28. Related parameters can be grouped in new structured types to reduce the number of parameters that must be passed to constraints.

NOTE 2: Again, the value five has been selected based on the recommendation in ETR 141 [37] rule 17. If more parameters are required, we can update this rule, or use more than 5 parameters, and provide documentation indicating why more parameters are required.

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| RULE 24: Minimizing complexity of test steps |
| Minimize the complexity of test steps either by restricting the objective of a test step to atomic confirmed service primitives or by separating event sequences, which build different "logical" units into different test steps. |

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| RULE 25: Nesting level of test steps |
| Keep the nesting level of test steps to a minimum. |

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| RULE 26: Recursive tree attachment |
| Avoid recursive tree attachment. Where possible, use loops instead of recursive tree attachments. |

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| RULE 27: Verdict assignment within test steps |
| If verdicts are assigned within a test step, guarantee at least the partial (i.e. not general) re-use of the test step. |

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| RULE 28: Parameterized test steps |
| Use parameterized test steps to ensure re-use of test steps within test cases for different needs. |

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| --- |
| RULE 29: Combining statements in a sequence of alternatives |
| If there is no Boolean expression included in an alternative sequence, a statement of type UCS (unconditional statement) should never be followed by a statement of type UCS or CS (conditional statement) within a sequence of alternatives. |

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| RULE 30: Using relational expressions as alternatives |
| 1. A relational expression should never restrict the value range of a preceding relational expression in the same alternative sequence using the same variable. 2. The value range of a relational expression should be different from the whole value range of all preceding relational expressions in the same alternative sequence using the same variable. |

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| RULE 31: Loop termination |
| Do not use conditions for terminating loops, which depend only on the behaviour of the IUT. |

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| RULE 32: Avoiding deadlocks |
| 1. Make sure that each alternative sequence of receive events contains an OTHERWISE statement (without any qualifier) for each PCO. 2. Make sure that each alternative sequence of receive events contains at least one TIMEOUT event (implying that a corresponding timer was started). |

A set of alternatives using qualifiers shall always include an alternative containing the qualifier [ TRUE ], to provide a default behaviour if none of the qualifiers match.

For example:

[ tcv\_Value = 1 ]

AM ! ASP\_ForValue1

...

[ tcv\_Value = 2 ]

AM ! ASP\_ForValue2

...

[ TRUE ]

AM ! ASP\_ForOtherValues

...

|  |
| --- |
| RULE 33: Straightforward specification of test cases |
| 1. Use only event sequences leading to the test body within a preamble. 2. Handle all event sequences not leading to the test body within the default tree of the test case/step. 3. If the very same event sequence can be used to transfer the IUT from each possible state to the idle state, then realize this event sequence as a postamble. |

|  |
| --- |
| RULE 34: Test component configuration declaration |
| Avoid recursive test component configuration declarations. |

|  |
| --- |
| RULE 35: Default trees with RETURN statement |
| Special care should be taken by using a RETURN statement within a default tree in order to avoid an endless loop resulting from the expansion of the default tree. |

# E.3 3GPP ATS implementation guidelines

This clause provides a set of guidelines that must be followed during ATS development. In general, these guidelines are intended to prevent developers from making common errors, or discuss considerations that must be taken into account before using specific features of the TTCN language.

## E.3.1 Test case groups shall reflect the TSS&TP document

Test groups shall be used to organize the test cases in the same way as the test purposes are structured in the prose specification.

The general structure of the test groups should be in the following format.

<protocol>/<group>/<subgroup>

E.g. RLC/UM/Segmentation/LengthIndicator7bit/

## E.3.2 Test case names correspond to the clause number in the prose

Test case names are derived directly from the clause number in the prose specification. Decimal points between digits in the clause number are replaced with underscores. E.g. the test case name for the test purpose specified in clause 7.2.3.2 of 3GPP TS 34.123-1 [1] is tc\_7\_2\_3\_2. If more than one test case is required to achieve a test purpose, an additional digit may be added. See also ETR 141 [37], clause 6.3.7.

## E.3.3 Use standard template for test case and test step header

Table E.3.3.1 illustrates how the Test Case dynamic behaviour header fields should be used.

Table E.3.3.1: Template for TTCN test case table header

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field | | | Contents | | | |
| Test Case Name: | | | tc\_NUMBER\_OF\_TESTCASE  The number of the test case, which is used in the name of the test case, is the number it has in the prose specification.  e.g.: "tc\_26\_13\_1\_3\_1" | | | |
| Group: | | | Is automatically filled and cannot be changed | | | |
| Purpose: | | | This is taken directly from the prose specifications. | | | |
| Configuration: | | | As required if concurrent TTCN is being used. | | | |
| Default | | | The appropriate default | | | |
| Comments: | | | **First line contains:**  Specification: The names and clauses of relevant core specifications.  **Next line contains:**  Status: OK / NOT OK (+explanation if not ok) / Version number / Validated / Reviewed, etc.  E.g.: Status: OK  **Rest of lines give comments as:**  What has to be done before running this test?  E.g.: 1. Generic setup procedure must be completed before running this test.  Any special information about what might be needed for the testing system, like specific requirements for the testing system, specific hacks, certain settings, etc. This field should be short (if long description is needed it must be put into Detailed Comments) | | | |
| Selection Ref: | | | The appropriate test case selection expression. | | | |
| Description: | | | Optional. Max 4 lines. If available, this should be the title of the prose clause. Note 1 | | | |
| Nr | Label | Behaviour Description | | Constraints Ref | Verdict | Comments |
| 1 |  | Note 3 | | Note 3 |  | Note 2 |
| Detailed Comments | | | Contains detailed information about test steps + additional information Note 2 | | | |
| NOTE 1: The description field in the test case / step header is used to generate the test suite overview, and should only include a brief overview of the test case / step with a maximum of 4 lines. For a more detailed description of the test case / step algorithm / parameters etc, the comments or detailed comments fields should be used.  NOTE 2: The comments field for each behaviour line should usually consist of a number that is a reference to a specific numbered comment in the detailed comments field. If this extra level of indirection reduces readability, brief comments can be used in the comments field for each behaviour line.  NOTE 3: If entries in the behaviour description or constraints reference column contain lists with more than one element, carriage returns should be used between list elements to prevent the line from becoming too long. | | | | | | |

Table E.3.3.2 illustrates how the Test Case dynamic behaviour header fields should be used.

Table E.3.3.2: Template for TTCN test step table header

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Step Name | | | ts\_TestStepName( p\_Param1: Param1Type; p\_Param2: Param2Type ) | | | | | |
| Group | | | Is automatically filled and cannot be changed | | | | | |
| Objective | | | The objective of the test case. Provides a brief summary of the functionality of the test step. | | | | | |
| Default | | | The appropriate default | | | | | |
| Comments | | | A detailed description of the test step, including the relevant items from the following categories:  Algorithm  A detailed description of the algorithm / principles used within the test step  Parameters:  A description of each of the parameters passed to the test step, including the purpose of the parameter, valid values, restrictions etc.  Preconditions  The required state of the UE and / or SS before using this test step, including test steps that should be executed before using the present test step, and a description of all test case variables that must contain appropriate values before using this test step.  Postcondidions  The expected state of the UE and / or SS after using this test step, including a description of all test case variables that will be modified by this test step.  NOTE: It is too difficult to maintain the list of variables required / affected by nested test steps, so it is the users responsibility to check which variables are required / affected by nested test steps. | | | | | |
| Description | | | Optional. Max 4 lines. Note 1 | | | | | |
|  | | |  |  |  | |  |  |
| Nr | Label | Behaviour Description | | | | Constraints Ref | Verdict | Comments |
| 1 |  | Note 3 | | | | Note 3 |  | Note 2 |
| Detailed Comments | | | Contains detailed information about test steps + additional information Note 2 | | | | | |
| NOTE 1: The description field in the test case / step header is used to generate the test suite overview, and should only include a brief overview of the test case / step with a maximum of 4 lines. For a more detailed description of the test case / step algorithm / parameters etc, the comments or detailed comments fields should be used.  NOTE 2: The comments field for each behaviour line should usually consist of a number that is a reference to a specific numbered comment in the detailed comments field. If this extra level of indirection reduces readability, brief comments can be used in the comments field for each behaviour line.  NOTE 3: If entries in the behaviour description or constraints reference column contain lists with more than one element, carriage returns should be used between list elements to prevent the line from becoming too long. | | | | | | | | |

## E.3.4 Do not use identical tags in nested CHOICE constructions

A nested CHOICE requires tags in the different alternative type lists to differ (see ISO/IEC 8824 [29], clause 24.4, example 3, INCORRECT). "The tag shall be considered to be variable, ... becomes equal to the tag of the "Type" ... from which the value was taken".

EXAMPLE: components are defined in a nested CHOICE construction, but no distinguishing tags are used to make the difference between component types, i.e. tags for different types turn out to be identical.

Component ::= CHOICE {

gSMLocationRegistration\_Components GSMLocationRegistration\_Components,   
 gSMLocationCancellation\_Components GSMLoactionCancellation\_Components,   
 ...   
}

GSMLocationRegistration\_Components ::= CHOICE {

gSMLocationRegistration\_InvokeCpt [1] IMPLICIT GSMLocationRegistration\_InvokeCpt,   
 gSMLocationRegistration\_RRCpt [2] IMPLICIT GSMLocationRegistration\_RRCpt,   
 gSMLocationRegistration\_RECpt [3] IMPLICIT GSMLocationRegistration\_RECpt,   
 gSMLocationRegistration\_RejectCpt [4] IMPLICIT RejectComponent   
}

GSMLocationCancellation\_Components ::= CHOICE {

gSMLocationCancellation\_InvokeCpt [1] IMPLICIT GSMLocationCancellation\_InvokeCpt,   
 gSMLocationCancellation\_RejectCpt [4] IMPLICIT RejectComponent   
}

gSMLocationRegistrationInvokeCpt and gSMLocationCancellation\_InvokeCpt have the same tag and can therefore not distinguished anymore. Note that ITEX 3.5 does not report this error.

## E.3.5 Incorrect usage of enumerations

Enumerations may contain distinct integers only (see ISO/IEC 8824 [29], clause 15.1).

EXAMPLE: TypeOfNumber containing a NamedValueList in which there are non-distinct values.

TypeOfNumber ::= ENUMERATED {   
.....,   
 internationalnumber (1),   
 level2RegionalNumber (1),   
 nationalNumber (2),   
 level1RegionalNumber (2),   
......   
 }

## E.3.6 Structured type as OCTETSTRING should not be used

"It is required to declare all fields of the PDUs that are defined in the relevant protocol standard, …" TR 101 101 [38] TTCN specification clause 11.15.1.

EXAMPLE 1: The ISDN Bearer Capability Information Element (BCAP) contents is defined as OCTETSTRING.

EXAMPLE 2: Usage of data type BITSTRING [7..15] as data type of the Call Reference (= 7 bits or =15 bits, but not 8 bits for example) does not correspond to the specification !!).

## E.3.7 Wildcards in PDU constraints for structured types should not be used

Contrary to popular belief, TR 101 666 [27] does not support the use of wildcards for TTCN ASP parameters, or TTCN PDU fields whose type is structured. It is not clearly stated if wildcards are permitted for TTCN structured type elements whose type is structured but it is assumed that they are not permitted because the semantics for this are not clearly specified.

Note that this does not apply to ASN.1 Type definitions, ASPs, or PDUs.

Most tools do support wildcards for TTCN ASP parameters / TTCN PDU fields / TTCN structured type elements whose type is structured, but there is ambiguity between implementations since the semantics are not clearly specified in the core specification.

This feature is commonly used by TTCN developers, and is present in many existing test suites, including the 3GPP test suite, and in constraints that are being re-used from GERAN tests.

One problem with values '?' and '\*' in constraints where they are used to indicate values of structured types, is that they would allow any combinations of values - even incorrect ones - which is not admissible according to the specifications. It is to be kept in mind that in tabular form each field is optional! It would be better to create and use an "any"-constraint which would deal with all the fields in detail (mandatory, IF PRESENT, etc.).

For the purpose of the present annex, the following rules shall apply:

1. '?' shall not be used to indicate values of TTCN ASP parameters / TTCN PDU fields / TTCN structured type elements whose type is structured. Known TTCN implementations differ significantly in their implementation of this feature.

2. '\*' shall not be used for TTCN PDU fields, or TTCN ASP parameters whose type is structured (i.e. at the top level).

2.1 Usage of wildcards should be avoided in structured type identifiers. Only simple type fields should use \* or ?

3. '\*' is permitted but discouraged for structured type elements whose type is structured. Note that this may result in ambiguous behaviour between TTCN implementations because the semantics are not specified in TR 101 666 [27].

4. One of the following two options shall be used as an alternative to using a '?' for a TTCN ASP parameter / TTCN PDU field / TTCN structured type element whose type is structured.

4.1 Option 1: Use '\*' instead (only applicable to structured type elements due to rules 2 and 3 above).

WARNING: This may result in the situation where a UE omits a mandatory field, but passes the test anyway, and / or different behaviour depending on the TTCN tool used.

4.2 Option 2 (preferred option; supported by TR 101 666 [27]): Use an 'any' constraint, in conjunction with IF PRESENT if appropriate (whole TTCN ASP parameters / TTCN PDU fields / TTCN structured type elements may be omitted according to TR 101 666 [27]). This means that the constraint value specified for the parameter / field / element shall be a reference to another constraint of the appropriate structured type, which may in turn use wildcards for each of it's elements according to the rules specified in the present annex.

5. A structured type formal parameter should not be used together with the IF\_PRESENT indication inside a structured type constraint. If this is required, then this shall be clearly commented.

## E.3.8 TSOs should be passed as many parameters as meaningful to facilitate their implementation

Parameters should be passed to TSOs to facilitate the TSO realization. If a TSO is used in various contexts, this should be reflected in the parameters passed to the TSO. Specifically, TSOs operating on well-defined (parameterized) constraints should take these constraints (including relevant parameters) as parameters if required.

BAD EXAMPLE: In this example, the TSO may be used in many contexts, but no information is passed to the TSO, which makes TSO realization difficult.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | L?SETUPr (...  tcv\_invokeId := TSO\_GET\_INVOKEID ( ),  ...) | Sr (SU\_GR3(  GSM\_IncomingCallMMInfo\_Invoke(...))) |  |  |

GOOD EXAMPLE: In this case, the TSO is provided with information about the data object from which the invoke Id is to be extracted, and the type of component from which the invoke Id is to be extracted is identified by passing the component constraint.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | L?SETUPr (...  tcv\_invokeId := TSO\_GET\_INVOKEID ( DL\_DataInd\_Setup.msg, GSM\_IncomingCallMMInfo\_Invoke(...)),  ...) | Sr (SU\_GR3(  GSM\_IncomingCallMMInfo\_Invoke(...))) |  |  |

To calculate the invocation identification and store the result in variable tcv\_invokeId the TSO has to be provided with information about the data object from which the invoke Id is to be extracted. PDU constraint SU\_GR3 may contain several components. In the specific situation only one of these components is relevant.

Depending on the nature of the TSO, passing the received value, or a subcomponent of the received value may be more appropriate than passing the constraint.

## E.3.9 Specification of Encoding rules and variation should be indicated

TTCN does not mandate encoding rules, although TTCN foresees that applicable encoding rules and encoding variations can be indicated for the data structures used in a test suite.

There are standards defining encoding rules, e.g. the ITU-T Recommendation X.680 [39] series. However, the type of encoding called "Direct Encoding" - a bit-by-bit-mapping from the data definitions onto the data stream to be transmitted - is not defined anywhere. It therefore needs a "home".

TTCN should therefore define which encoding rules may legally be used by TTCN test suite specifiers. All the encoding rules defined in the ITU-T Recommendation X.680 [39] series should be contained in this repertoire. Additionally an encoding rule called Direct Encoding is needed in particular for tabular TTCN.

ITU-T Recommendation X.680 [39] allows to encode data objects using different length forms (short, long, indefinite). These could be used alternatively as encoding variations. Another encoding variation could be the "minimum encoding", accepting any of the length forms in reception, and using the shortest of the available forms in sending. The variation actually used has to be described somewhere (in the ATS).

## E.3.10 Use of global data should be limited

The Phase 2 ATS became extremely complex due to the global definition of data. Data should be defined locally where possible if the language allows, alternatively the names of global constraints could be given prefixes to indicate their use.

## E.3.11 Limit ATS scope to a single layer / sub-layer

Separate ATSs should be produced to test each Layer and perhaps sub Layer. By doing this preambles and common areas particular to one sub Layer can be confined to one test suite and parallel development of test suites can be facilitated.

## E.3.12 Place system information in specially designed data structures

System Information data could be stored in specially defined data structures, use of these structures to build PDUs may help to ensure that a consistent set of data is transmitted in all the channels in a cell.

## E.3.13 Place channel configuration in specially designed data structures

Likewise the configuration of a 'channel' could be stored in similar structures. This data can then be used to configure the test system and to build Assignment messages to the UE under test. This may help avoid the situation where the TTCN creates one channel and unintentionally commands the mobile to a different, non-existent, channel.

## E.3.14 PICS / PIXIT parameters

It is desirable to limit the scope of PICS / PIXIT parameters.

A default value shall be provided in the PIXIT document for all PIXIT parameters.

PICS / PIXIT parameters shall not include structured types. If a structured parameter is required, several parameters shall be used, one for each simple element within the type, and a constraint shall be created to combine the simple parameters into a structured type.

For example, to use the following structured type as a parameter.

|  |  |  |  |
| --- | --- | --- | --- |
| Type Name | LocAreaId\_v | | |
| Encoding Variation |  | | |
| Comments | Location Area Identification Value 3GPP TS 24.008 [9] clause 10.5.1.3 | | |
|  |  |  |  |
| Element Name | Type Definition | Field Encoding | Comments |
| mcc | HEXSTRING[3] |  | MCC 3 digits |
| mnc | HEXSTRING[3] |  | MNC 3 digits |
| lac | OCTETSTRING[2] |  | LAC |
|  |  |  |  |
| Detailed Comments |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| The following three PIXIT parameters should be defined: Parameter Name | Type | PICS/PIXIT Ref | Comments |
| px\_LACDef | OCTETSTRING | PIXIT TC | default LAC |
| px\_MCCDef | HEXSTRING | PIXIT TC | default MCC |
| px\_MNCDef | HEXSTRING | PIXIT TC | default MNC |

And then the following constraint can be used to combine the simple parameters into a structured parameter.

|  |  |  |  |
| --- | --- | --- | --- |
| Constraint Name | cb\_LocAreaIdDef\_v | | |
| Structured Type | LocAreaId\_v | | |
| Derivation Path |  | | |
| Encoding Variation |  | | |
| Comments |  | | |
|  |  |  |  |
| Element Name | Element Value | Element Encoding | Comments |
| mcc | px\_MCCDef |  |  |
| mnc | px\_MNCDef |  |  |
| lac | px\_LACDef |  |  |
|  |  |  |  |
| Detailed Comments |  | | |

## E.3.15 Dynamic vs. static choices

Don't use wildcards for static choice constraints. For example, a type that is similar for FDD and TDD should have 2 type definitions, rather than a single type that uses an ASN.1 choice. Then in the TTCN, the correct type should be selected based on test suite parameters.

E.g.:

[ pxUseTddMode ] AM ! TddSpecificAsp

AM ?

...

[ pxUseFddMode ] AM ! FddSpecificAsp

AM ? …

...

## E.3.16 Definition of Pre-Ambles and Post Ambles

Test cases should, as far as possible, use one of a set of standard pre-ambles to place the user equipment in its initial conditions. These pre-ambles should align with the generic setup procedures in the conformance specification. All non-standard pre-ambles should be identified and added to the pre-amble library.

With pre-ambles readability is very important so they should not use other test steps to send message sequences, and they should be passed as few parameters as possible. This also makes the results log easier to read.

The prose message sequence charts should be analysed, and a catalogue of common ways in which the test cases can terminate (correctly or incorrectly) created. This catalogue should be used to create a set of post-ambles. All final verdicts should be assigned in the post-ambles.

Wherever possible, a post-amble should return the test system and the User Equipment under test to a known idle state.

## E.3.17 Use test steps to encapsulate AT and MMI commands

When the same AT or MMI command is to be used more than once within a test suite, the command should be placed within a test step, to ensure that the same information is provided consistently. The main intention of this guideline is to ensure that MMI commands provided to the user are consistent, and can be changed easily if required.

For example, a test step similar to the one illustrated in table E.3.17 should be created and attached so that the same information is provided to the user each time the test step is used, and the string to be sent only exists in one place within the test suite.

Table E.3.17: Example test step to encapsulate AT / MMI commandsDefault behaviour

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Step Name** | | | ts\_AT\_MMI\_Example | | | |
| **Group** | | |  | | | |
| **Objective** | | | Send an MMI command instructing the user to insert the USIM card into the UE. | | | |
| **Default** | | |  | | | |
| **Comments** | | | Encapsulate an AT / MMI command within a test step to ensure that the same information is used consistently, and the information only exists in one place within the test suite. | | | |
| **Description** | | |  | | | |
| **Nr** | **Label** | **Behaviour Description** | | **Constraints Ref** | **Verdict** | **Comments** |
| 1 |  | Ut ! MMI\_CmdReq | | ca\_MMICmdReq ( " Please insert the USIM card into the UE ") |  |  |
| 2 |  | Ut ? MMI\_CmdCnf | | ca\_MMICmdCnf |  |  |

Defaults are test steps that are executed when ever a receive event occurs that is not expected. Not expected means that it does not match any of the defined ASP constraints at that point in the test case. The default behaviour used in test case is defined in the test case declaration. They can be defined to stop the test case by calling a standard post-amble or receive the event as OTHERWISE and RETURN back to step where the unexpected event occurred.

A strategy for dealing with unexpected behaviour involving consistent use of defaults should be developed, and applied to test cases wherever possible.

If during a test case or test step it is necessary to change the default behaviour, the ACTIVATE statement may be used.

## E.3.18 Use system failure guard timers

A timer should be set at the beginning of each test case to guard against system failure. Behaviour on expiry of this timer should be consistent for all test cases.

## E.3.19 Mapping between prose specification and individual test cases

The ATS should map one-to-one between test cases and tests as described in 3GPP TS 34.123-1 [1]. A method for ensuring that the two specifications track each other needs to be defined.

## E.3.20 Verdict assignment

### E.3.20.1 General

Final verdicts shall only be used to indicate test case errors, or when unexpected UE behaviour occurs such that it not sensible to continue the test. When a test case reaches a leaf node, the test case ends, and the current preliminary verdict is assigned. At least one preliminary verdict shall be assigned for every test case. If a test case terminates and no final or preliminary verdicts have been assigned, the current value of the predefined variable R will be 'none', and a test case error is recorded instead of a final verdict.

Labels shall be used for every line in which a verdict is posted to improve the traceability of the conformance log produced when the test case is executed. These labels should be kept short, since they appear in the dynamic behaviour tables.

All test suites shall make use of a global boolean variable, defined in the common module, called tcv\_TestBody. tcv\_TestBody is updated within each test case to indicate if the test body is currently being executed. tcv\_TestBody is referenced in defaults and test steps to assign a preliminary inconclusive verdict when unexpected events occur outside of the test body, or a preliminary failure verdict when unexpected events occur within the test body.

The initial value in the declaration of the test case variable tcv\_TestBody shall be FALSE. The variable will be bound to this value when the ATS is initialized, and will be re-bound to this value after termination of each test case, ready for execution of the next test case.

### E.3.20.2 Test cases

A line similar to line 3 in table E.3.20.2 shall be used in all test cases to set tcv\_TestBody to TRUE. This line shall have the label TBS to indicate the Test Body Start point.

A line similar to line 6 in table E.3.20.2 shall be used in all test cases to set tcv\_TestBody to FALSE. This line shall have the label TBE[N] to indicate the Test Body End point. A number N (with one or more digits) may optionally be appended to the label to distinguish between multiple test body end points. If the number of possible test sequences makes management of the tcv\_TestBody variable too difficult, the variable can be set to TRUE at the beginning of the test. In this case, a comment shall be added to the test case noting that tcv\_TestBody is not updated, so verdicts assigned within preambles and postambles will be treated as if they are part of the test body.

Within the test body, preliminary verdicts shall be used to indicate the result of the test purpose. Each behaviour line within the test body containing a preliminary verdict shall have a label of the form TBXN, where X is one of P, F, I for pass, fail, and inconclusive respectively, and N is a number (with one or more digits) used to distinguish multiple TBPs, TBFs, or TBIs in the same test case.

If an unexpected event occurs corresponding to a test case error, a final inconclusive verdict shall be assigned, and the behaviour line shall have a label ERRN, where N is a number used to distinguish multiple ERRs, and ERR indicates that a test case error has occurred. An example of this is provided in the test step clause.

Table E.3.20.2 contains an example test case illustrating these concepts.

In case of a failure event of a time consumed test case (longer than 30 minutes), the test case can be stopped by using a final verdict after the execution of the postamble.

Table E.3.20.2: Example test case illustrating use of verdicts, labels  
and tcv\_TestBody test case variable

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nr | Label | Behaviour Description | | Constraints Ref | Verdict | Comments |
| 1 |  | +ts\_Preambles | |  |  |  |
| 2 | TBS | ( tcv\_TestBody := TRUE ) | |  |  | 1 |
| 3 |  | L ! Stimulus | | cs\_Stimulus1 |  |  |
| 4 |  | +lt\_Response | |  |  |  |
| 5 | TBE | (tcv\_TestBody := FALSE ) | |  | (P) | 2 |
| 6 |  | +ts\_Postambles | |  |  |  |
| 7 |  | lt\_Response | |  |  |  |
| 8 | TBP1 | L ? Response | | cr\_ValidResponse1 | (P) | 3 |
| 9 | TBP2 | L ? Response | | cr\_ValidResponse2 | (P) | 3 |
| 10 | TBF1 | L ? Response | | cr\_InvalidResponse | (F) | 4 |
| 11 | TBI1 | L ? Response | | cr\_OtherResponse | (I) | 5 |
| Detailed comments | | | 1. The behaviour line setting tcv\_TestBody to TRUE shall have the label TBS. 2. The behaviour line setting tcv\_TestBody to FALSE shall have the label TBE, and can optionally be used to assign a verdict indicating that the test purpose has passed or failed (i.e. if the final behaviour statement in the test body is a tree attachment). 3. The label TBPN is used to indicate that the test purpose has been achieved via the Nth possible valid UE behaviour. 4. The label TBFN is used to indicate that the test purpose has not been achieved, due to the Nth possible failure cause. 5. The label TBIN is used to indicate that the test result is inconclusive for the Nth possible unexpected / unknown event. | | | |

### E.3.20.3 Test steps

To promote re-use, test steps shall only assign preliminary verdicts (I) and (F). (P) verdicts shall be managed at the test case level in general, but may be used sparingly within test steps. ETR 141 [37] clause 12.4 recommends that a preliminary pass verdict should be assigned at the leaf of each passing event sequence of the test step. If a test step includes an alternative for unexpected / invalid behaviour, then either a preliminary inconclusive verdict shall be assigned if tcv\_TestBody is FALSE, or a preliminary failure verdict shall be assigned if tcv\_TestBody is TRUE.

Each behaviour line within the test step containing a preliminary verdict shall have a label of the form TSXN, where X is one of P, F or I for pass, fail, and inconclusive respectively, and N is a number (with one or more digits) used to distinguish multiple TSPs, TSFs, or TSIs in the same test step.

If an unexpected event occurs corresponding to a test case error, a final inconclusive verdict shall be assigned, and the behaviour line shall have a label ERRN, where N is a number used to distinguish multiple ERRs, and ERR indicates that a test case error has occurred.

Table E.3.20.3 contains an example test step illustrating these concepts.

Table E.3.20.3: Example test step illustrating use of verdicts, labels  
and tcv\_TestBody test case variable

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nr | Label | Behaviour Description | | Constraints Ref | Verdict | Comments |
| 1 |  | [ p\_Mode = tsc\_Mode1 ] | |  |  |  |
| 2 |  | L ! Stimulus | | cs\_Stimulus1 |  |  |
| 3 |  | +lt\_Response | |  |  |  |
| 4 |  | [ p\_Mode = tsc\_Mode2 ] | |  |  |  |
| 5 |  | L ! Stimulus | | cs\_Stimulus2 |  |  |
| 6 |  | +lt\_Response | |  |  |  |
| 7 | ERR1 | [ TRUE ] | |  | I | 1 |
| 8 |  | lt\_Response | |  |  |  |
| 9 |  | L ? Response | | cr\_ValidResponse1 |  | 2 |
| 10 |  | L ? Response | | cr\_InvalidResponse |  |  |
| 11 | TSI1 | [ tcv\_TestBody = FALSE ] | |  | (I) | 3 |
| 12 | TSF1 | [ tcv\_TestBody = TRUE ] | |  | (F) | 4 |
| Detailed comments | | | 1. An invalid value for the parameter p\_Mode has been passed to this test step, so a final inconclusive verdict is assigned, with a label indicating that a test case error has occurred. 2. If the expected behaviour occurs, then the test step completes at the leaf node, and the current preliminary verdict is not changed. 3. If unexpected / invalid behaviour occurs, and the current test step is being used as a preamble or postamble ( tcv\_TestBody = FALSE ) then a preliminary inconclusive verdict is assigned. 4. If unexpected / invalid behaviour occurs, and the current test step is being used as part of the test purpose( tcv\_TestBody = TRUE ) then a preliminary failure verdict is assigned. | | | |

### E.3.20.4 Defaults

Each behaviour line within a default behaviour table containing a preliminary verdict shall have a label of the form DFXN, where X is one of F or I for fail, and inconclusive respectively, and N is a number (with one or more digits) used to distinguish multiple DFFs, or DFIs in the same test step.

tcv\_TestBody shall be referenced from within default behaviour tables to assign the appropriate verdict when unexpected events occur.

Table E.3.20.4 contains an example default behaviour table illustrating these concepts.

Table E.3.20.4: Example default behaviour table illustrating use of verdicts,  
labels and tcv\_TestBody test case variable

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nr | Label | Behaviour Description | | Constraints Ref | Verdict | Comments |
| 1 |  | L ? Response | | cr\_IgnoredResponse |  | 1 |
| 2 |  | RETURN | |  |  |  |
| 3 | DFI1 | L ? OTHERWISE [ tcv\_TestBody = FALSE ] | |  | (I) | 2 |
| 4 | DFF1 | L ? OTHERWISE [ tcv\_TestBody = TRUE ] | |  | (F) | 3 |
| Detailed comments | | | 1. Valid events that are to be ignored can be included in the default behaviour, but should have no preliminary verdict assigned.  2. If unexpected data is received in the preambles or postambles, a preliminary inconclusive verdict is assigned, and the test case is terminated.  3. If unexpected data is received in the test body, a preliminary failure verdict is assigned, and the test case is terminated. | | | |

See also ETR 141 [37], clauses 11.2, 12.4 and 14.3.

## E.3.21 Test suite and test case variables

A default value shall be provided for all test suite and test case variables.

## E.3.22 Use of macros is forbidden

The use of macros is forbidden, to support migration to TTCN3.

## E.3.23 Support for future Radio Access Technologies

To allow existing test cases to be updated in future to support other radio access technologies, test suites shall make use of a PIXIT parameter px\_RAT of type RatType as shown in the following example.

|  |  |
| --- | --- |
| Test Case Name | tc\_RAT\_Example1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nr | Label | Behaviour Description | Constraints Ref | Verdict | Comments |
| 1 |  | START t\_Guard( 300 ) |  |  |  |
| 2 |  | [ px\_RAT = fdd ] |  |  |  |
| 3 |  | PCO ! FDD\_PDU | c\_FDD\_PDU1 |  | FDD specific behaviour |
| 4 | TBP1 | PCO ? COMMON\_PDU | c\_COMMON\_PDU1 | (P) |  |
| 5 |  | [ px\_RAT = tdd ] |  |  |  |
| 6 |  | PCO ! TDD\_PDU | c\_TDD\_PDU1 |  | TDD specific behaviour |
| 7 | TBP2 | PCO ? COMMON\_PDU | c\_COMMON\_PDU1 | (P) |  |
| 8 |  | [ px\_RAT = other\_rat ] |  | I | Tests for this RAT not implemented yet |
| 9 | TCE1 | [ TRUE ] |  | I | Unexpected px\_RAT value |

|  |  |
| --- | --- |
| Detailed Comments |  |

In general, alternatives should be used to separate behaviour specific for each RAT, and common behaviour should be re-used as much as possible. A final inconclusive verdict shall be used for any alternatives that have not been implemented yet.

Local trees may be used as shown in the following example to improve re-use of common behaviour.

|  |  |
| --- | --- |
| Test Case Name | tc\_RAT\_Example2 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nr | Label | Behaviour Description | Constraints Ref | Verdict | Comments |
| 1 |  | START t\_Guard( 300 ) |  |  |  |
| 2 |  | +lt\_RAT\_SpecificPart |  |  |  |
| 3 | TBP1 | PCO ? COMMON\_PDU | c\_COMMON\_PDU1 | (P) | Common behaviour |
|  |  | lt\_RAT\_SpecificPart |  |  |  |
| 4 |  | [ px\_RAT = fdd ] |  |  |  |
| 5 |  | PCO ! FDD\_PDU | c\_FDD\_PDU1 |  | FDD specific behaviour |
| 6 |  | [ px\_RAT = tdd ] |  |  |  |
| 7 |  | PCO ! TDD\_PDU | c\_TDD\_PDU1 |  | TDD specific behaviour |
| 8 | TCE1 | [ TRUE ] |  | (I) | Unexpected px\_RAT value |

|  |  |
| --- | --- |
| Detailed Comments |  |

## E.3.24 Managing multiple representations of the same information

When the same information is represented using multiple types within the same test suite, it is necessary to manage conversions between the types, and ensure that the information remains consistent across all of the representations.

For example, IMSI is represented as 'SEQUENCE (SIZE (6..15)) OF Digit' in the RRC ASN.1 definitions, as a HEXSTRING for input as a PIXIT parameter, and as an information element defined in TTCN tabular format for MM.

### E.3.24.1 Predefined types

Conversion operations are not required to convert the following TTCN predefined types to their counterparts in ASN.1.

a) INTEGER predefined type.

b) BOOLEAN predefined type.

c) BITSTRING predefined type.

d) HEXSTRING predefined type.

e) OCTETSTRING predefined type.

f) OBJECTIDENTIFIER predefined type.

g) R\_TYPE predefined type.

h) CharacterString predefined types.

Therefore it is valid to pass a value of type BIT STRING (ASN.1) as a formal parameter of type BITSTRING (TTCN predefined).

### E.3.24.2 Simple types

TR 101 666 [27], clause 11.2.1 states:

- "TTCN is a weakly typed language, in that values of any two types which have the same base type are considered to be type compatible (e.g. for the purposes of performing assignments or parameter passing)".

When simple types have restrictions, it is the TTCN author's responsibility to ensure that the restrictions are compatible. The TTCN compiler provides some assistance with this, but the extent of the checking is compiler specific.

### E.3.24.3 Structured types

For conversion between more complex representations, test suite operations will generally be required. If the mapping is simple enough, it may be possible to perform the conversion using a test step, which takes the common representation as a parameter, and stores the required representation in a test case variable. This may avoid the need for an extra test suite operation.

In TTCN-2 the NAS UL PDU types are frozen from Rel-11 onward, a generic extension field is used to match any received extension sent by UE. For example, the field “extensionFields” in added as the last field of PAGINGRESPONSE.

|  |  |  |  |
| --- | --- | --- | --- |
| PDU Name | PAGINGRESPONSE | | |
| TCO Type | Dc\_SAP | | |
| Encoding Rule Name |  | | |
| Encoding Variation |  | | |
| Comments | PAGINGRESPONSE ue -> n 44.018 cl 9.1.25 | | |
|  |  |  |  |
| Element Name | Type Definition | Field Encoding | Comments |
| skipIndicator | SkipIndicator |  | Skip Indicator  M  BITSTRING [4] |
| rRProtocolDiscriminator | ProtocolDiscriminator |  | RR Protocol Discriminator  M  BITSTRING [4] |
| msgType | MsgType |  | Message Type (1)  M  BITSTRING [8] |
| spare4 | B4 |  | Spare half octet  M  BITSTRING [4] |
| ciphKeySeqNum | CiphKeySeqNum |  | Ciphering Key Sequence Number  M  BITSTRING [4] |
| mSClsmk2 | MS\_Clsmk2\_lv |  | Mobile Station Classmark 2  M  MSClsmk2 (4 octets) |
| mobileId | MS\_Identity\_lv |  | Mobile Identity LV  M  MobileId (2-10 octets) |
| extensionFields | ExtensionFields\_Type |  | Extension field used to receive any rel-11 or later IE added to UL PDU types |
| Detailed Comments |  | | |

### E.3.24.4 Conversion responsibility

Two design approaches are possible for deciding where the responsibility of conversion lies: Calling party conversion and called party conversion.

The appropriate option should be selected on a case-by-case basis with the following restrictions:

- If one representation of the information is a PIXIT parameter, and this information must be passed to a test step, the called party conversion option shall be used, and the formal parameter to the test step shall always have the same type as the PIXIT parameter.

- If a test step provides multiple alternatives for different radio access technologies, which require different representations of the same information, the called party conversion convention shall be used. In this case a technology independent representation of the information shall be passed as a parameter, and the test step shall perform the conversion to the appropriate type depending on which RAT is being used.

### E.3.24.5 Option 1: Calling party conversions

For this approach, each test step provides an interface based on its internal representation. It is the responsibility of the test case / step attaching the test step to perform the conversion before the attachment.

#### E.3.24.5.1 Advantages

- The number of calls to conversion operations is minimized.

- The complexity of the attached test steps is reduced because fewer conversions are required than for the called party conversion approach.

#### E.3.24.5.2 Disadvantages

- Different types are used to transfer the same information across the test step interfaces.

- The complexity of the attaching test steps / cases may be increased because conversions are required before attaching a test step.

- The attaching test steps / cases are responsible for ensuring that multiple representations contain consistent information.

### E.3.24.6 Option 2: Called party conversions

In this case, the same representation is used wherever the information must be used as a formal parameter value to a test step, and it is the responsibility of the test step to perform any conversions required.

#### E.3.24.6.1 Advantages

- The complexity in the attaching test case / step is reduced, which will often improve readability.

- The test step interfaces are cleaner, because the same representation is always passed as a formal parameter.

- Internal representations may be hidden within test steps so that calling parties do not need to have any knowledge of them.

#### E.3.24.6.2 Disadvantages

- Conversion operations may be called more times than necessary, for example if the same test step is attached twice within one test case.

## E.3.25 Assignment using constraint

According to TR 101 666 [27], the Right Hand Side (RHS) of an assignment shall not contain any unbound variables. The matching symbols, AnyValue or AnyOrOmit, in both tabular and ASN.1 constraints shall not be assigned to a test case variable, independent of the type of the test case variable.

## E.3.26 Guidelines for use of timers when tolerances are applicable

Timed events within the test suite should implement the timer tolerances specified in 3GPP TS 34.108 [3], clause 4.2.3. It is the TTCN author's responsibility to ensure that appropriate tolerance checks and tolerance values are being used.

NOTE: Tolerances are not applicable to guard timers as described in clause E.3.18 of the present document.

### E.3.26.1 Specific situations

The present clause provides recommendations for how to implement timers with tolerances for the following situations:

a) The timed event must occur before a given time.

b) The timed event must occur after a given time.

c) The timed event must occur between two given times.

NOTE: A specific case of this situation is when the desired event occurs at a specific time, plus or minus a tolerance.

### E.3.26.2 Example situations

The examples below assume:

a) The test case variable tcv\_Duration contains the timer duration (in terms of the units used in the timer declaration).

b) The test case variable tcv\_Tolerance has been initialized using one of the following assignments (it is the TTCN author's responsibility to select the calculation resulting in the greatest value of tcv\_Tolerance. Reference 3GPP TS 34.108 [3], clause 4.2.3):

1) ( tcv\_Tolerance := tcv\_Duration / 10 )

2) ( tcv\_Tolerance := 2 \* tcv\_TTI + tsc\_T\_Delta )  
Where tcv\_TTI contains the applicable TTI (in ms), and tsc\_T\_Delta is 55 ms.

NOTE: The timer value parameters used when starting the timers in the examples are recommendations only. Other timer value parameter expressions may be used if appropriate.

#### E.3.26.2.1 Example of situation 1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Step Name** | | | ts\_TimerSituation1Example | | | | |
| **Purpose** | | | To demonstrate implementation of a timed event that must occur before a given time. | | | | |
| Nr | Label | Behaviour Description | | | Constraints Ref | Verdict | Comments |
| 1 |  | START t\_UpperBound ( tcv\_Duration + tcv\_Tolerance ) | | |  |  | 1. |
| 2 |  | +lt\_TimedEvent | | |  |  | 2. |
| 3 | TSP1 | CANCEL t\_UpperBound | | |  | (P) | 3. |
| 4 | TSF1 | ? TIMEOUT t\_UpperBound | | |  | (F) | 4. |
|  |  | lt\_TimedEvent | | |  |  |  |
| 5 |  | [ TRUE ] | | |  |  | 2. |
| Detailed Comments | | | | 1. Start the timer, allowing tcv\_Tolerance extra units for the timed event to arrive.  2. The timed event is observed.  3. The timed event occurred before the timeout, so cancel the timer, and assign a preliminary pass verdict.  4. The timer expired before the timed event occurred, so assign a preliminary failure verdict. | | | |

#### E.3.26.2.2 Example of situation 2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Step Name** | | | ts\_TimerSituation2Example | | | | |
| **Purpose** | | | To demonstrate implementation of a timed event that must occur after a given time. | | | | |
| Nr | Label | Behaviour Description | | | Constraints Ref | Verdict | Comments |
| 1 |  | START t\_LowerBound ( tcv\_Duration - tcv\_Tolerance ) | | |  |  | 1. |
| 2 |  | ? TIMEOUT t\_LowerBound | | |  |  | 2. |
| 3 |  | +lt\_TimedEvent | | |  |  | 3. |
| 4 | TSP1 | [ TRUE ] | | |  | (P) | 3. |
| 5 |  | +lt\_TimedEvent | | |  |  | 4. |
| 6 | TSF1 | CANCEL t\_LowerBound | | |  | (F) | 4. |
|  |  | lt\_TimedEvent | | |  |  |  |
| 7 |  | [ TRUE ] | | |  |  |  |
| Detailed Comments | | | | 1. Start the timer, allowing tcv\_Tolerance extra units for the timed event to arrive.  2. The timeout is observed before the timed event.  3. The timed event is observed, so assign a preliminary pass verdict.  4. The timed event occurred before the timeout, so cancel the timer, and assign a preliminary failure verdict. | | | |

#### E.3.26.2.3 Example of situation 3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Step Name** | | | ts\_TimerSituation3Example | | | | |
| **Purpose** | | | To demonstrate implementation of a timed event that must occur between two given times. | | | | |
| Nr | Label | Behaviour Description | | | Constraints Ref | Verdict | Comments |
| 1 |  | START t\_UpperBound ( tcv\_Duration + tcv\_Tolerance ),  START t\_LowerBound ( tcv\_Duration - tcv\_Tolerance ) | | |  |  | 1. |
| 2 |  | ? TIMEOUT t\_LowerBound | | |  |  | 2. |
| 3 |  | +lt\_TimedEvent | | |  |  | 3. |
| 4 | TSP1 | CANCEL t\_UpperBound | | |  | (P) | 3. |
| 5 | TSF1 | ? TIMEOUT t\_UpperBound | | |  | (F) | 4. |
| 6 |  | +lt\_TimedEvent | | |  |  | 5. |
| 7 | TSF2 | CANCEL t\_LowerBound , CANCEL t\_UpperBound | | |  | (F) |  |
|  |  | lt\_TimedEvent | | |  |  |  |
| 8 |  | [ TRUE ] | | |  |  |  |
| Detailed Comments | | | | 1. Start the upper and lower bound timers, allowing tcv\_Tolerance extra units each side of the expected time for the timed event to arrive.  2. The lower bound timeout is observed before the timed event.  3. The timed event is observed, so cancel the upper bound timer, and a preliminary pass verdict is assigned.  4. The upper bound timer expired before the timed event occurred, so a preliminary failure verdict is assigned.  5. The timed event occurred before the lower bound timer expired, so a preliminary failure verdict is assigned. | | | |

Annex F (informative):  
Void

Void.

Annex G (informative):  
Recommendation of an unique ICS/IXIT electronic exchange format

With standardization of ICS/IXIT file format, same Test Suite Parameter (TSP) files can be used across different System Simulators. The ICS/PIXIT will be simple ASCII text files. The assumption is that the test suite parameters are of simple type definitions only and do not include structured types (clause E.3.14).

# G.1 Syntax

The proposed format of the ICS/IXIT file is as follows:

**[<Parameter Name> <Parameter Type> <Value>] [<#Comment>]**

- At the most one TSP value can be defined in a line.

- The comment starts with # and ends with new line.

- [..] represent OPTIONAL field(s).

- **<..>** represent MANDATORY field(s).

- Fields will be separated by one or more space characters.

The syntax for different Parameter Types will be as follows:

- **INTEGER**

<Parameter Name> INTEGER <Integer Value>

- **BOOLEAN**

<Parameter Name> BOOLEAN <Value>

NOTE 1: Here Value will be either 'TRUE' or 'FALSE'.

- **BITSTRING**

<Parameter Name> BITSTRING <Value>

- **HEXSTRING**

<Parameter Name> HEXSTRING <Value>

- **OCTETSTRING**

<Parameter Name> OCTETSTRING <Value>

- **ENUMERATED**

<Parameter Name> ENUMERATED <Integer Value>

- **IA5String**

<Parameter Name> IA5String "<Value>"

NOTE 2: Here Value will be string and is mandatory to put the actual value in double quotes.

# G.2 Examples

This clause gives an example of ICS/IXIT file format.

|  |
| --- |
| # TSP file version 1.0.0  px\_CS BOOLEAN TRUE # TRUE if Circuit Switched is applicable  px\_PTMSI\_Def OCTETSTRING 12345678 #Default PTMSI  px\_RAT ENUMERATED 0 #px\_RAT is of Type RatType and is of Type of ENUMERATED  {fdd(0), tdd(1)}.  px\_Region IA5String "Europe" #px\_Region is of Type Region and is of Type IA5String ("Europe", Japan").  px\_PriScrmCodeA INTEGER 100 #px\_PriScrmCodeA is of Type PrimaryScramblingCode and is of Type  INTEGER (0..511).  px\_SRNC\_Id BITSTRING 000000000001 #px\_SRNC\_Id is of Type SRNC\_Identity and is of Type BIT STRING  (SIZE(12)).  px\_IMSI\_Def HEXSTRING 001010123456063 #Default IMSI |

Annex H (informative):  
A-GPS and Supplementary Services ASN.1 modules

# H.1 A-GPS ASN.1 modules

This asn.1 module is used by TTCN-2 A-GPS test suite.

Lcs-Definitions DEFINITIONS ::=

BEGIN

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- From ITU-T Rec. X.880 (July/1994)

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Code ::= CHOICE {

local INTEGER,

global OBJECT IDENTIFIER

}

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- From 3GPP TS 29.002

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

NotificationToMSUser ::= ENUMERATED {

notifyLocationAllowed (0),

notifyAndVerify-LocationAllowedIfNoResponse (1),

notifyAndVerify-LocationNotAllowedIfNoResponse (2),

locationNotAllowed (3) }

-- exception handling:

-- At reception of any other value than the ones listed the receiver shall ignore

-- NotificationToMSUser.

LocationType ::= SEQUENCE {

locationEstimateType [0] IMPLICIT LocationEstimateType,

deferredLocationEventType [1] IMPLICIT DeferredLocationEventType OPTIONAL }

LocationEstimateType ::= ENUMERATED {

currentLocation (0),

currentOrLastKnownLocation (1),

initialLocation (2),

activateDeferredLocation (3),

cancelDeferredLocation (4),

notificationVerificationOnly (5)

}

-- exception handling:

-- a ProvideSubscriberLocation-Arg containing an unrecognized LocationEstimateType

-- shall be rejected by the receiver with a return error cause of unexpected data value

DeferredLocationEventType ::= BIT STRING {

msAvailable (0),

enteringIntoArea (1),

leavingFromArea (2),

beingInsideArea (3),

periodicLDR (4)

} (SIZE (1..16))

-- beingInsideArea is always treated as oneTimeEvent regardless of the possible value

-- of occurrenceInfo inside areaEventInfo.

-- exception handling:

-- a ProvideSubscriberLocation-Arg containing other values than listed above in

-- DeferredLocationEventType shall be rejected by the receiver with a return error cause of

-- unexpected data value.

LCSClientExternalID ::= SEQUENCE {

externalAddress [0] IMPLICIT ISDN-AddressString OPTIONAL,

extensionContainer [1] IMPLICIT ExtensionContainer OPTIONAL,

}

LCSClientName ::= SEQUENCE {

dataCodingScheme [0] IMPLICIT USSD-DataCodingScheme,

nameString [2] IMPLICIT NameString,

lcs-FormatIndicator [3] IMPLICIT LCS-FormatIndicator OPTIONAL

}

-- The USSD-DataCodingScheme shall indicate use of the default alphabet through the following encoding

-- bit 7 6 5 4 3 2 1 0

-- 0 0 0 0 1 1 1 1

NameString ::= USSD-String (SIZE (1..maxNameStringLength))

maxNameStringLength INTEGER ::= 63

USSD-DataCodingScheme ::= OCTET STRING (SIZE (1))

-- The structure of the USSD-DataCodingScheme is defined by the Cell

-- Broadcast Data Coding Scheme as described in TS 3GPP TS 23.038 [1]

LCSRequestorID ::= SEQUENCE {

dataCodingScheme [0] IMPLICIT USSD-DataCodingScheme,

requestorIDString [1] IMPLICIT RequestorIDString,

lcs-FormatIndicator [2] IMPLICIT LCS-FormatIndicator OPTIONAL

}

LCS-FormatIndicator ::= ENUMERATED {

logicalName (0),

e-mailAddress (1),

msisdn (2),

url (3),

sipUrl (4) }

RequestorIDString ::= USSD-String (SIZE (1..maxRequestorIDStringLength))

maxRequestorIDStringLength INTEGER ::= 63

LCSCodeword ::= SEQUENCE {

dataCodingScheme [0] IMPLICIT USSD-DataCodingScheme,

lcsCodewordString [1] IMPLICIT LCSCodewordString

}

LCSCodewordString ::= USSD-String (SIZE (1..maxLCSCodewordStringLength))

maxLCSCodewordStringLength INTEGER ::= 20

LCSServiceTypeID ::= INTEGER (0..127)

-- the integer values 0-63 are reserved for Standard LCS service types

-- the integer values 64-127 are reserved for Non Standard LCS service types

USSD-String ::= OCTET STRING (SIZE (1..maxUSSD-StringLength))

-- The structure of the contents of the USSD-String is dependent

-- on the USSD-DataCodingScheme as described in TS 3GPP TS 23.038 [25].

maxUSSD-StringLength INTEGER ::= 160

ISDN-AddressString ::= AddressString (SIZE (1..maxISDN-AddressLength))

-- This type is used to represent ISDN numbers.

maxISDN-AddressLength INTEGER ::= 9

AddressString ::= OCTET STRING (SIZE (1..maxAddressLength))

-- This type is used to represent a number for addressing purposes. It is

-- composed of

-- a) one octet for nature of address, and numbering plan indicator.

-- b) digits of an address encoded as TBCD-String.

-- a) The first octet includes a one bit extension indicator, a

-- 3 bits nature of address indicator and a 4 bits numbering

-- plan indicator, encoded as follows:

-- bit 8: 1 (no extension)

-- bits 765: nature of address indicator

-- 000 unknown

-- 001 international number

-- 010 national significant number

-- 011 network specific number

-- 100 subscriber number

-- 101 reserved

-- 110 abbreviated number

-- 111 reserved for extension

-- bits 4321: numbering plan indicator

-- 0000 unknown

-- 0001 ISDN/Telephony Numbering Plan (Rec ITU-T E.164)

-- 0010 spare

-- 0011 data numbering plan (ITU-T Rec X.121)

-- 0100 telex numbering plan (ITU-T Rec F.69)

-- 0101 spare

-- 0110 land mobile numbering plan (ITU-T Rec E.212)

-- 0111 spare

-- 1000 national numbering plan

-- 1001 private numbering plan

-- 1111 reserved for extension

-- all other values are reserved.

-- b) The following octets representing digits of an address

-- encoded as a TBCD-STRING.

maxAddressLength INTEGER ::= 20

LCS-QoS ::= SEQUENCE {

horizontal-accuracy [0] IMPLICIT Horizontal-Accuracy OPTIONAL,

verticalCoordinateRequest [1] IMPLICIT NULL OPTIONAL,

vertical-accuracy [2] IMPLICIT Vertical-Accuracy OPTIONAL,

responseTime [3] IMPLICIT ResponseTime OPTIONAL,

extensionContainer [4] IMPLICIT ExtensionContainer OPTIONAL,

velocityRequest [5] IMPLICIT NULL OPTIONAL

}

Horizontal-Accuracy ::= OCTET STRING (SIZE (1))

-- bit 8 = 0

-- bits 7-1 = 7 bit Uncertainty Code defined in 3GPP TS 23.032. The horizontal location

-- error should be less than the error indicated by the uncertainty code with 67%

-- confidence.

Vertical-Accuracy ::= OCTET STRING (SIZE (1))

-- bit 8 = 0

-- bits 7-1 = 7 bit Vertical Uncertainty Code defined in 3GPP TS 23.032.

-- The vertical location error should be less than the error indicated

-- by the uncertainty code with 67% confidence.

ResponseTime ::= SEQUENCE {

responseTimeCategory ResponseTimeCategory

}

-- note: an expandable SEQUENCE simplifies later addition of a numeric response time.

ResponseTimeCategory ::= ENUMERATED {

lowdelay (0),

delaytolerant (1)

}

-- exception handling:

-- an unrecognized value shall be treated the same as value 1 (delaytolerant)

SupportedGADShapes ::= BIT STRING {

ellipsoidPoint (0),

ellipsoidPointWithUncertaintyCircle (1),

ellipsoidPointWithUncertaintyEllipse (2),

polygon (3),

ellipsoidPointWithAltitude (4),

ellipsoidPointWithAltitudeAndUncertaintyElipsoid (5),

ellipsoidArc (6) } (SIZE (7..16))

-- A node shall mark in the BIT STRING all Shapes defined in 3GPP TS 23.032 it supports.

-- exception handling: bits 7 to 15 shall be ignored if received.

Ext-GeographicalInformation ::= OCTET STRING (SIZE (1..maxExt-GeographicalInformation))

-- Refers to geographical Information defined in 3GPP TS 23.032.

-- This is composed of 1 or more octets with an internal structure according to

-- 3GPP TS 23.032

-- Octet 1: Type of shape, only the following shapes in 3GPP TS 23.032 are allowed:

-- (a) Ellipsoid point with uncertainty circle

-- (b) Ellipsoid point with uncertainty ellipse

-- (c) Ellipsoid point with altitude and uncertainty ellipsoid

-- (d) Ellipsoid Arc

-- (e) Ellipsoid Point

-- Any other value in octet 1 shall be treated as invalid

-- Octets 2 to 8 for case (a) Ellipsoid point with uncertainty circle

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

-- Uncertainty code 1 octet

-- Octets 2 to 11 for case (b) Ellipsoid point with uncertainty ellipse:

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

-- Uncertainty semi-major axis 1 octet

-- Uncertainty semi-minor axis 1 octet

-- Angle of major axis 1 octet

-- Confidence 1 octet

-- Octets 2 to 14 for case (c) Ellipsoid point with altitude and uncertainty ellipsoid

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

-- Altitude 2 octets

-- Uncertainty semi-major axis 1 octet

-- Uncertainty semi-minor axis 1 octet

-- Angle of major axis 1 octet

-- Uncertainty altitude 1 octet

-- Confidence 1 octet

-- Octets 2 to 13 for case (d) Ellipsoid Arc

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

-- Inner radius 2 octets

-- Uncertainty radius 1 octet

-- Offset angle 1 octet

-- Included angle 1 octet

-- Confidence 1 octet

-- Octets 2 to 7 for case (e) Ellipsoid Point

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

--

-- An Ext-GeographicalInformation parameter comprising more than one octet and

-- containing any other shape or an incorrect number of octets or coding according

-- to 3GPP TS 23.032 shall be treated as invalid data by a receiver.

--

-- An Ext-GeographicalInformation parameter comprising one octet shall be discarded

-- by the receiver if an Add-GeographicalInformation parameter is received

-- in the same message.

--

-- An Ext-GeographicalInformation parameter comprising one octet shall be treated as

-- invalid data by the receiver if an Add-GeographicalInformation parameter is not

-- received in the same message.

maxExt-GeographicalInformation INTEGER ::= 20

-- the maximum length allows for further shapes in 3GPP TS 23.032 to be included in later

-- versions of 3GPP TS 29.002

Add-GeographicalInformation ::= OCTET STRING (SIZE (1..maxAdd-GeographicalInformation))

-- Refers to geographical Information defined in 3GPP TS 23.032.

-- This is composed of 1 or more octets with an internal structure according to

-- 3GPP TS 23.032

-- Octet 1: Type of shape, all the shapes defined in 3GPP TS 23.032 are allowed:

-- Octets 2 to n (where n is the total number of octets necessary to encode the shape

-- according to 3GPP TS 23.032) are used to encode the shape itself in accordance with the

-- encoding defined in 3GPP TS 23.032

--

-- An Add-GeographicalInformation parameter, whether valid or invalid, received

-- together with a valid Ext-GeographicalInformation parameter in the same message

-- shall be discarded.

--

-- An Add-GeographicalInformation parameter containing any shape not defined in

-- 3GPP TS 23.032 or an incorrect number of octets or coding according to

-- 3GPP TS 23.032 shall be treated as invalid data by a receiver if not received

-- together with a valid Ext-GeographicalInformation parameter in the same message.

maxAdd-GeographicalInformation INTEGER ::= 91

-- the maximum length allows support for all the shapes currently defined in 3GPP TS 23.032

AgeOfLocationInformation ::= INTEGER (0..32767)

-- the value represents the elapsed time in minutes since the last

-- network contact of the mobile station (i.e. the actuality of the

-- location information).

-- value "0" indicates that the MS is currently in contact with the network

-- "32767" indicates that the location information is at least 32767 minutes old

GSN-Address ::= OCTET STRING (SIZE (5..17))

-- Octets are coded according to TS 3GPP TS 23.003

LCS-ReferenceNumber ::= OCTET STRING (SIZE(1))

PeriodicLDRInfo ::= SEQUENCE {

reportingAmount ReportingAmount-AGPS,

reportingInterval ReportingInterval-AGPS

}

-- reportingInterval x reportingAmount shall not exceed 8639999 (99 days, 23 hours,

-- 59 minutes and 59 seconds) for compatibility with OMA MLP and RLP

ReportingAmount-AGPS ::= INTEGER (1..maxReportingAmount)

maxReportingAmount INTEGER ::= 8639999

ReportingInterval-AGPS ::= INTEGER (1..maxReportingInterval)

-- ReportingInterval is in seconds

maxReportingInterval INTEGER ::= 8639999

VelocityEstimate-AGPS ::= OCTET STRING (SIZE (4..7))

-- Refers to Velocity description defined in 3GPP TS 23.032.

-- This is composed of 4 or more octets with an internal structure according to

-- 3GPP TS 23.032

-- Octet 1: Type of velocity, only the following types in 3GPP TS 23.032 are allowed:

-- (a) Horizontal Velocity

-- (b) Horizontal with Vertical Velocity

-- (c) Horizontal Velocity with Uncertainty

-- (d) Horizontal with Vertical Velocity and Uncertainty

-- For types Horizontal with Vertical Velocity and Horizontal with Vertical Velocity

-- and Uncertainty, the direction of the Vertical Speed is also included in Octet 1

-- Any other value in octet 1 shall be treated as invalid

-- Octets 2 to 4 for case (a) Horizontal velocity:

-- Bearing 1 octet

-- Horizontal Speed 2 octets

-- Octets 2 to 5 for case (b) – Horizontal with Vertical Velocity:

-- Bearing 1 octet

-- Horizontal Speed 2 octets

-- Vertical Speed 1 octet

-- Octets 2 to 5 for case (c) – Horizontal velocity with Uncertainty:

-- Bearing 1 octet

-- Horizontal Speed 2 octets

-- Uncertainty Speed 1 octet

-- Octets 2 to 7 for case (d) – Horizontal with Vertical Velocity and Uncertainty:

-- Bearing 1 octet

-- Horizontal Speed 2 octets

-- Vertical Speed 1 octet

-- Horizontal Uncertainty Speed 1 octet

-- Vertical Uncertainty Speed 1 octet

SequenceNumber ::= INTEGER (1..maxReportingAmount)

ReportingPLMNList::= SEQUENCE {

plmn-ListPrioritized [0] NULL OPTIONAL,

plmn-List [1] PLMNList

}

PLMNList::= SEQUENCE SIZE (1..maxNumOfReportingPLMN) OF

ReportingPLMN

maxNumOfReportingPLMN INTEGER ::= 20

ReportingPLMN::= SEQUENCE {

plmn-Id [0] PLMN-Id,

ran-Technology [1] RAN-Technology OPTIONAL,

ran-PeriodicLocationSupport [2] NULL OPTIONAL

}

RAN-Technology ::= ENUMERATED {

gsm (0),

umts (1)}

PLMN-Id ::= OCTET STRING (SIZE (3))

-- The internal structure is defined as follows:

-- octet 1 bits 4321 Mobile Country Code 1st digit

-- bits 8765 Mobile Country Code 2nd digit

-- octet 2 bits 4321 Mobile Country Code 3rd digit

-- bits 8765 Mobile Network Code 3rd digit

-- or filler (1111) for 2 digit MNCs

-- octet 3 bits 4321 Mobile Network Code 1st digit

-- bits 8765 Mobile Network Code 2nd digit

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- Derived from ITU-T Rec. Q.773 (June/1997)

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Component ::= CHOICE {

invoke [1] IMPLICIT Invoke,

returnResultLast [2] IMPLICIT ReturnResult,

returnError [3] IMPLICIT ReturnError,

reject [4] IMPLICIT Reject

}

-- The used part of Q.773 is almost the same as the component portion of TC messages. The only

-- difference is that returnResultNotLast is not used. (see 24.080, clause 3.6.1)

Invoke ::= SEQUENCE {

invokeID InvokeIdType,

linkedID [0] IMPLICIT InvokeIdType OPTIONAL,

operationCode Code,

-- local:116 for lcsNotification

-- local:115 for lcs-MOLR

parameter InvokeArgument OPTIONAL

}

ReturnResult ::= SEQUENCE {

invokeID InvokeIdType,

result SEQUENCE {

operationCode Code,

-- local:116 for lcsNotification

-- local:115 for lcs-MOLR

parameter ReturnRes

} OPTIONAL

}

ReturnError ::= SEQUENCE {

invokeID InvokeIdType,

errorCode Code,

-- local:34 for SystemFailure

-- local:36 for UnexpectedDataValue

-- local:35 for DataMissing

-- local:21 for FacilityNotSupported

-- local:19 for SS-SubscriptionViolation

-- local:54 for PositionMethodFailure

parameter ReturnErrPara OPTIONAL

}

Reject ::= SEQUENCE {

invokeID CHOICE {

derivable InvokeIdType,

not-derivable NULL },

problem CHOICE {

generalProblem [0] IMPLICIT GeneralProblem,

invokeProblem [1] IMPLICIT InvokeProblem,

returnResultProblem [2] IMPLICIT ReturnResultProblem,

returnErrorProblem [3] IMPLICIT ReturnErrorProblem }

}

InvokeIdType ::= INTEGER (-128..127)

GeneralProblem ::= INTEGER {

unrecognizedComponent (0),

mistypedComponent (1),

badlyStructuredComponent (2) }

InvokeProblem ::= INTEGER {duplicateInvokeID (0),

unrecognizedOperation (1),

mistypedParameter (2),

resourceLimitation (3),

initiatingRelease (4),

unrecognizedLinkedID (5),

linkedResponseUnexpected (6),

unexpectedLinkedOperation (7) }

ReturnResultProblem ::= INTEGER {unrecognizedInvokeID (0),

returnResultUnexpected (1),

mistypedParameter (2) }

ReturnErrorProblem ::= INTEGER {unrecognizedInvokeID (0),

returnErrorUnexpected (1),

unrecognizedError (2),

unexpectedError (3),

mistypedParameter (4) }

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--Derived from SS-DataTypes in 3GPP TS 24.080 ver.800

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Components ::= SET OF Component

InvokeArgument ::= CHOICE {

lcsNotification [0] EXPLICIT LocationNotificationArg,

lcs-MOLR [1] EXPLICIT LCS-MOLRArg

}

ReturnRes ::= CHOICE {

lcsNotifficationRes [0] EXPLICIT LocationNotificationRes,

lcsMOLRRes [1] EXPLICIT LCS-MOLRRes

}

ReturnErrPara ::= CHOICE {

lcsNotifficationErrPara [0] EXPLICIT LcsNotificationErrPara,

lcs-MOLR-ResErrPara [1] EXPLICIT Lcs-MOLR-ErrPara

}

LocationNotificationArg ::= SEQUENCE {

notificationType [0] IMPLICIT NotificationToMSUser,

locationType [1] IMPLICIT LocationType,

lcsClientExternalID [2] IMPLICIT LCSClientExternalID OPTIONAL,

lcsClientName [3] IMPLICIT LCSClientName OPTIONAL,

lcsRequestorID [4] IMPLICIT LCSRequestorID OPTIONAL,

lcsCodeword [5] IMPLICIT LCSCodeword OPTIONAL,

lcsServiceTypeID [6] IMPLICIT LCSServiceTypeID OPTIONAL

}

-- The notificationType may only be set to notifyLocationAllowed,

-- notifyAndVerify-LocationAllowedIfNoResponse,

-- or notifyAndVerify-LocationNotAllowedIfNoResponse.

-- The locationEstimateType field of the locationType may only be set to

-- currentLocation, currentOrLastKnownLocation,

-- notificationVerificationOnly, or activateDeferredLocation.

-- The deferredLocationEventType field of the locationType may only be set to

-- enteringIntoArea, and/or leavingFromArea, and/or beingInsideArea,

-- and/or periodicLDR.

-- For LCS location notification of MT-LR for current location, the

-- locationEstimateType field of the locationType shall be set to currentLocation.

-- For LCS location notification of MT-LR for current or last known location, the

-- locationEstimateType field of the locationType shall be set to currentOrLastKnownLocation.

-- For the LCS location notification for the LDR of MS available event,

-- the locationEstimateType field of the locationType shall be set to currentLocation.

-- For LCS location notification for the LDR of change of area event,

-- the locationEstimateType field of the locationType shall be set to

-- activateDeferredLocation, and the deferredLocationEventType shall be

-- set to enteringIntoArea, and/or leavingFromArea, and/or beingInsideArea.

-- For the post positioning LCS location notification, the locationEstimateType

-- field of the locationType shall be set to notificationVerificationOnly.

-- For LCS location notification for the LDR of periodic location event,

-- the locationEstimateType field of the locationType shall be set to

-- activateDeferredLocation, and the

-- deferredLocationEventType shall be set to periodicLDR.

-- exception handling:

-- At reception of an unrecognised notificationType value the receiver shall reject the

-- operation with a return error cause of unexpected data value.

-- At reception of an unrecognised locationType value the receiver shall reject the

-- operation with a return error cause of unexpected data value.

-- At reception of an unallowed notificationType value the receiver shall either ignore the

-- received operation or reject the operation with a return error cause of unexpected

-- data value.

-- At reception of an unallowed locationType value the receiver shall either ignore the

-- received operation or reject the operation with a return error cause of unexpected

-- data value.

LocationNotificationRes ::= SEQUENCE {

verificationResponse [0] IMPLICIT VerificationResponse OPTIONAL,

}

VerificationResponse::= ENUMERATED {

permissionDenied (0),

permissionGranted (1)

}

-- exception handling:

-- an unrecognized value shall be treated the same as value 0 (permissionDenied)

LcsNotificationErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

unexpectedDataValue [1] EXPLICIT UnexpectedDataParam

}

-- This is derived from information object "lcs-LocationNotification"

LCS-MOLRArg ::= SEQUENCE {

molr-Type [0] IMPLICIT MOLR-Type,

locationMethod [1] IMPLICIT LocationMethod OPTIONAL,

lcs-QoS [2] IMPLICIT LCS-QoS OPTIONAL,

lcsClientExternalID [3] IMPLICIT LCSClientExternalID OPTIONAL,

mlc-Number [4] IMPLICIT ISDN-AddressString OPTIONAL,

gpsAssistanceData [5] IMPLICIT GPSAssistanceData OPTIONAL,

supportedGADShapes [6] IMPLICIT SupportedGADShapes OPTIONAL,

lcsServiceTypeID [7]IMPLICIT LCSServiceTypeID OPTIONAL,

ageOfLocationInfo [8]IMPLICIT AgeOfLocationInformation OPTIONAL,

locationType [9]IMPLICIT LocationType OPTIONAL,

pseudonymIndicator [10]IMPLICIT NULL OPTIONAL,

h-gmlc-address [11] IMPLICIT GSN-Address OPTIONAL,

locationEstimate [12] IMPLICIT Ext-GeographicalInformation OPTIONAL,

velocityEstimate [13] IMPLICIT VelocityEstimate-AGPS OPTIONAL,

referenceNumber [14] IMPLICIT LCS-ReferenceNumber OPTIONAL,

periodicLDRInfo [15] IMPLICIT PeriodicLDRInfo OPTIONAL,

locationUpdateRequest [16] IMPLICIT NULL OPTIONAL,

sequenceNumber [17] IMPLICIT SequenceNumber OPTIONAL,

terminationCause [18] IMPLICIT TerminationCause OPTIONAL,

mo-lrShortCircuit [19]IMPLICIT NULL OPTIONAL,

ganssAssistanceData [20] IMPLICIT GANSSAssistanceData OPTIONAL,

multiplePositioningProtocolPDUs [21] IMPLICIT MultiplePositioningProtocolPDUs OPTIONAL

}

-- The parameter locationMethod shall be included if and only if the

-- molr-Type is set to value deCipheringKeys or assistanceData.

-- The parameter gpsAssistanceData shall be included if and only if the

-- molr-Type is set to value assistanceData and

-- locationMethod is set to value assistedGPS or assistedGPSandGANSS.

-- The parameter ganssAssistanceData shall be included if and only if the molr-Type is set to value

-- assistanceData and locationMethod is set to value assistedGANSS or assistedGPSandGANSS.

-- supportedGADShapes shall not be included for deferred MO-LR initiation or deferred MO-LR or MT-LR

-- responses.

-- multiplePositioningProtocolPDUs may only be included for E-UTRAN access.

-- locationMethod shall not be included for E-UTRAN access.

-- gpsAssistanceData shall not be included for E-UTRAN access.

-- h-gmlc-address shall not be included for E-UTRAN access.

-- locationEstimate shall not be included for E-UTRAN access.

-- velocityEstimate shall not be included for E-UTRAN access.

-- referenceNumber shall not be included for E-UTRAN access.

-- periodicLDRInfo shall not be included for E-UTRAN access.

-- locationUpdateRequest shall not be included for E-UTRAN access.

-- sequenceNumber shall not be included for E-UTRAN access.

-- terminationCause shall not be included for E-UTRAN access.

-- mo-lrShortCircuit shall not be included for E-UTRAN access.

-- ganssAssistanceData shall not be included for E-UTRAN access.

MOLR-Type ::= ENUMERATED {

locationEstimate (0),

assistanceData (1),

deCipheringKeys (2),

deferredMo-lrTTTPInitiation (3),

deferredMo-lrSelfLocationInitiation (4),

deferredMt-lrOrmo-lrTTTPLocationEstimate (5),

deferredMt-lrOrmo-lrCancellation (6)

}

-- exception handling:

-- an unrecognized value shall be rejected by the receiver with a return error cause of

-- unexpected data value.

LocationMethod ::= ENUMERATED {

msBasedEOTD (0),

msAssistedEOTD (1),

assistedGPS (2),

msBasedOTDOA (3) ,

assistedGANSS (4),

assistedGPSandGANSS (5)

}

-- exception handling:

-- When this parameter is received with value msBasedEOTD or msAssistedEOTD and the MS

-- is camped on an UMTS Service Area then the receiver shall reject it

-- with a return error cause of unexpected data value.

-- When this parameter is received with value msBasedOTDOA and the MS

-- is camped on a GSM Cell then the receiver shall reject it with

-- a return error cause of unexpected data value.

-- an unrecognized value shall be rejected by the receiver with

-- a return error cause of unexpected data value.

GPSAssistanceData ::= OCTET STRING (SIZE (1..38))

-- Octets 1 to 38 are coded in the same way as the octets 3 to 7+2n

-- of Requested GPS Data IE in 3GPP TS 49.031.

GANSSAssistanceData::= OCTET STRING (SIZE (1..40))

-- Octets 1 to 40 are coded in the same way as the octets 3 to 9+2n of Requested GANSS Data IE

-- in 3GPP TS 49.031 [14] .

TerminationCause ::= ENUMERATED {

subscriberTermination (0),

uETermination (1) }

MultiplePositioningProtocolPDUs ::= SEQUENCE (SIZE (1..maxNumLPPMsg)) OF PositioningProtocolPDU

PositioningProtocolPDU ::= OCTET STRING  
-- PositioningProtocolPDU contains a LPP message defined in 3GPP TS 36.355 [17].

maxNumLPPMsg INTEGER ::= 3

LCS-MOLRRes ::= SEQUENCE {

locationEstimate [0] IMPLICIT Ext-GeographicalInformation OPTIONAL,

decipheringKeys [1] IMPLICIT DecipheringKeys OPTIONAL,

add-LocationEstimate [2] IMPLICIT Add-GeographicalInformation OPTIONAL,

velocityEstimate [3] IMPLICIT VelocityEstimate-AGPS OPTIONAL,

referenceNumber [4] IMPLICIT LCS-ReferenceNumber OPTIONAL,

h-gmlc-address [5] IMPLICIT GSN-Address OPTIONAL,

mo-lrShortCircuit [6] IMPLICIT NULL OPTIONAL,

reportingPLMNList [7] IMPLICIT ReportingPLMNList OPTIONAL

}

-- Parameters locationEstimate or add-LocationEstimate (one but not both)

-- shall be included if and only if the

-- molr-Type in LocationRequestArg was set to value locationEstimate.

-- Parameter add-LocationEstimate shall not be included

-- if the supportedGADShapes parameter was not received in the LCS-MOLRArg.

-- The locationEstimate and the add-locationEstimate parameters shall not be

-- sent if the supportedGADShapes parameter has been received in LCS-MOLRArg

-- and the shape encoded in locationEstimate or add-LocationEstimate

-- is not marked as supported in supportedGADShapes.

-- In such a case LCS-MOLRArg shall be rejected with error

-- FacilityNotSupported with additional indication

-- shapeOfLocationEstimateNotSupported.

-- Parameter decipheringKeys shall be included if and only if the molr-Type

-- in LocationRequestArg was set to value deCipheringKeys.

-- Parameter velocityEstimate may only be included if the lcs-QoS in LCS-MOLRarg includes

-- velocityRequest

DecipheringKeys ::= OCTET STRING (SIZE (15))

-- Octets in DecipheringKeys are coded in the same way as the octets 3 to 17

-- of Deciphering Key IE in 3GPP TS 49.031. I.e. these octets contain

-- Current Deciphering Key, Next Deciphering Key and Ciphering Key Flag.

Lcs-MOLR-ErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

unexpectedDataValue [1] EXPLICIT UnexpectedDataParam,

dataMissing [2] EXPLICIT DataMissingParam,

facilityNotSupported [3] EXPLICIT FacilityNotSupParam,

ss-SubscriptionViolation [4] EXPLICIT SS-SubscriptionViolationParam,

positionMethodFailure [5] EXPLICIT PositionMethodFailure-Param,

}

-- This is derived from information object "lcs-MOLR"

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- Derived from MAP-Errors 3GPP 29.002

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SystemFailureParam ::= CHOICE {

networkResource NetworkResource,

-- networkResource must not be used in version 3

extensibleSystemFailureParam ExtensibleSystemFailureParam

-- extensibleSystemFailureParam must not be used in version <3

}

NetworkResource ::= ENUMERATED {

plmn (0),

hlr (1),

vlr (2),

pvlr (3),

controllingMSC (4),

vmsc (5),

eir (6),

rss (7

)}

ExtensibleSystemFailureParam ::= SEQUENCE {

networkResource NetworkResource OPTIONAL,

extensionContainer ExtensionContainer OPTIONAL,

additionalNetworkResource [0] AdditionalNetworkResource OPTIONAL,

failureCauseParam [1] FailureCauseParam OPTIONAL

}

AdditionalNetworkResource ::= ENUMERATED {

sgsn (0),

ggsn (1),

gmlc (2),

gsmSCF (3),

nplr (4),

auc (5),

ue (6),

mme (7

)}

-- if unknown value is received in AdditionalNetworkResource

-- it shall be ignored.

FailureCauseParam ::= ENUMERATED {

limitReachedOnNumberOfConcurrentLocationRequests (0) }

-- if unknown value is received in FailureCauseParam it shall be ignored

UnexpectedDataParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL

}

DataMissingParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL

}

FacilityNotSupParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

shapeOfLocationEstimateNotSupported [0] IMPLICIT NULL OPTIONAL,

neededLcsCapabilityNotSupportedInServingNode [1] IMPLICIT NULL OPTIONAL

}

SS-SubscriptionViolationParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL

}

PositionMethodFailure-Param ::= SEQUENCE {

positionMethodFailure-Diagnostic [0] IMPLICIT PositionMethodFailure-Diagnostic OPTIONAL,

extensionContainer [1] IMPLICIT ExtensionContainer OPTIONAL,

}

PositionMethodFailure-Diagnostic ::= ENUMERATED {

congestion (0),

insufficientResources (1),

insufficientMeasurementData (2),

inconsistentMeasurementData (3),

locationProcedureNotCompleted (4),

locationProcedureNotSupportedByTargetMS (5),

qoSNotAttainable (6),

positionMethodNotAvailableInNetwork (7),

positionMethodNotAvailableInLocationArea (8),

}

-- exception handling:

-- any unrecognized value shall be ignored

ExtensionContainer ::= SEQUENCE {

privateExtensionList [0] IMPLICIT PrivateExtensionList OPTIONAL,

pcs-Extensions [1] IMPLICIT PCS-Extensions OPTIONAL,

}

PrivateExtensionList ::= SEQUENCE SIZE (1..maxNumOfPrivateExtensions) OF

PrivateExtension

PrivateExtension ::= SEQUENCE {

extId OBJECT IDENTIFIER,

extType OCTET STRING OPTIONAL}

maxNumOfPrivateExtensions INTEGER ::= 10

PCS-Extensions ::= SEQUENCE {...}

END

# H.2 SS and A-GNSS ASN.1 modules

These asn.1 modules are used in both the TTCN-3 Positioning and Supplementary Services tests.

Figure H.2 shows the dependencies between the asn.1 modules.



Figure H.2: ASN.1 Dependencies

## H.2.1 Encoding information

Even though the codec is out of scope of the present document there are aspects with impact on TTCN-3 implementation. SS ASN.1 types are grouped by applicable encoding rules in different modules to avoid circular references. Encoding rules are applied per module when the SS ASN.1 is imported by other modules.

Table H.2.1: Encoding rules applied to the SS ASN.1 modules

|  |  |
| --- | --- |
| ASN.1 modules | Encoding Rule |
| TCAP-Definitions-Para | DIRECT: no additional encoding rules required |
| TCAP-Definitions,  LCS-Definitions-Arguments,  SS-Definitions-Arguments,  Common-Definitions | BER\_Definite: Basic Encoding Rule referred to 3GPP TS 24.080 [13], clause 3.6.1 and 3GPP TS 29.002 [14], clause 17.1.1:  - The definite short form is used for length encoding, if data length is less than 128 octets.  - The definite long form is used for length encoding, if data length is greater than 127 octets, the minimum number of octets shall be used to code the length field. |

## H.2.2 TCAP-Definitions ASN.1 module

TCAP-Definitions DEFINITIONS ::=

BEGIN

IMPORTS

InvokeArgument,

ReturnRes,

ReturnErrPara,

Lcs-MOLR-ErrPara

FROM TCAP-Definitions-Para;

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- From ITU-T Rec. X.880 (July/1994)

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Code ::= CHOICE {

local INTEGER,

global OBJECT IDENTIFIER

}

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- Derived from ITU-T Rec. Q.773 (June/1997)

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Component ::= CHOICE {

invoke [1] IMPLICIT Invoke,

returnResultLast [2] IMPLICIT ReturnResult,

returnError [3] IMPLICIT ReturnError,

reject [4] IMPLICIT Reject

}

-- The used part of Q.773 is almost the same as the component portion of TC messages. The only

-- difference is that returnResultNotLast is not used. (see 24.080, clause 3.6.1)

Invoke ::= SEQUENCE {

invokeID InvokeIdType,

linkedID [0] IMPLICIT InvokeIdType OPTIONAL,

operationCode Code,

parameter InvokeArgument OPTIONAL

}

ReturnResult ::= SEQUENCE {

invokeID InvokeIdType,

result SEQUENCE {

operationCode Code,

parameter ReturnRes

} OPTIONAL

}

ReturnError ::= SEQUENCE {

invokeID InvokeIdType,

errorCode Code,

parameter ReturnErrPara OPTIONAL

}

Reject ::= SEQUENCE {

invokeID CHOICE {

derivable InvokeIdType,

not-derivable NULL },

problem CHOICE {

generalProblem [0] IMPLICIT GeneralProblem,

invokeProblem [1] IMPLICIT InvokeProblem,

returnResultProblem [2] IMPLICIT ReturnResultProblem,

returnErrorProblem [3] IMPLICIT ReturnErrorProblem }

}

InvokeIdType ::= INTEGER (-128..127)

GeneralProblem ::= INTEGER {

unrecognizedComponent (0),

mistypedComponent (1),

badlyStructuredComponent (2) }

InvokeProblem ::= INTEGER {duplicateInvokeID (0),

unrecognizedOperation (1),

mistypedParameter (2),

resourceLimitation (3),

initiatingRelease (4),

unrecognizedLinkedID (5),

linkedResponseUnexpected (6),

unexpectedLinkedOperation (7) }

ReturnResultProblem ::= INTEGER {unrecognizedInvokeID (0),

returnResultUnexpected (1),

mistypedParameter (2) }

ReturnErrorProblem ::= INTEGER {unrecognizedInvokeID (0),

returnErrorUnexpected (1),

unrecognizedError (2),

unexpectedError (3),

mistypedParameter (4) }

END

## H.2.3 TCAP-Definitions-Para ASN.1 module

TCAP-Definitions-Para DEFINITIONS ::=

BEGIN

IMPORTS

LocationNotificationArg,

LCS-MOLRArg,

LocationNotificationRes,

LCS-MOLRRes,

SystemFailureParam,

UnexpectedDataParam,

DataMissingParam,

FacilityNotSupParam,

SS-SubscriptionViolationParam,

PositionMethodFailure-Param

FROM LCS-Definitions-Arguments

RegisterSS-Arg,

InterrogateSS-Res,

NotifySS-Arg,

SS-Info,

SS-ForBS-Code,

CallBarredParam,

BearerServNotProvParam,

TeleservNotProvParam,

IllegalSS-OperationParam,

IllegalSubscriberParam,

IllegalEquipmentParam,

SS-IncompatibilityCause,

SS-ErrorStatus,

SS-NotAvailable,

SS-Code,

GuidanceInfo,

SS-UserData,

USSD-Arg,

USSD-Res,

Password,

PW-RegistrationFailureCause,

AbsentSubscriberParam

FROM SS-Definitions-Arguments;

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--Derived from SS-DataTypes in 3GPP TS 24.080

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

InvokeArgument ::= CHOICE {

registerSS [0] EXPLICIT RegisterSS-Arg,

eraseSS [1] EXPLICIT SS-ForBS-Code,

activateSS [2] EXPLICIT SS-ForBS-Code,

deactivateSS [3] EXPLICIT SS-ForBS-Code,

interrogateSS [4] EXPLICIT SS-ForBS-Code,

registerPassword [5] EXPLICIT SS-Code,

getPassword [6] EXPLICIT GuidanceInfo,

processUnstructuredSS-Data [7] EXPLICIT SS-UserData,

processUnstructuredSS-Request [8] EXPLICIT USSD-Arg,

unstructuredSS-Request [9] EXPLICIT USSD-Arg,

unstructuredSS-Notify [10] EXPLICIT USSD-Arg,

notifySS [11] EXPLICIT NotifySS-Arg,

buildMPTY [12] EXPLICIT NULL, -- EXPLICIT,

holdMPTY [13] EXPLICIT NULL, -- EXPLICIT,

retrieveMPTY [14] EXPLICIT NULL, -- EXPLICIT,

splitMPTY [15] EXPLICIT NULL, -- EXPLICIT,

explicitCT [16] EXPLICIT NULL, -- EXPLICIT,

lcsNotification [17] EXPLICIT LocationNotificationArg,

lcs-MOLR [18] EXPLICIT LCS-MOLRArg

}

ReturnRes ::= CHOICE {

registerSSRes [0] EXPLICIT SS-Info,

eraseSS [1] EXPLICIT SS-Info,

activateSS [2] EXPLICIT SS-Info,

deactivateSS [3] EXPLICIT SS-Info,

interrogateSSRes [4] EXPLICIT InterrogateSS-Res,

registerPassword [5] EXPLICIT Password,

getPassword [6] EXPLICIT Password,

processUnstructuredSS-Data [7] EXPLICIT SS-UserData,

processUnstructuredSS-Request [8] EXPLICIT USSD-Res,

unstructuredSS-Request [9] EXPLICIT USSD-Res,

unstructuredSS-Notify [10] EXPLICIT NULL, -- EXPLICIT,

notifySS [11] EXPLICIT NULL, -- EXPLICIT,

buildMPTY [12] EXPLICIT NULL, -- EXPLICIT,

holdMPTY [13] EXPLICIT NULL, -- EXPLICIT,

retrieveMPTY [14] EXPLICIT NULL, -- EXPLICIT,

splitMPTY [15] EXPLICIT NULL, -- EXPLICIT,

explicitCT [16] EXPLICIT NULL, -- EXPLICIT,

lcsNotifficationRes [17] EXPLICIT LocationNotificationRes,

lcsMOLRRes [18] EXPLICIT LCS-MOLRRes

}

ReturnErrPara ::= CHOICE {

registerSSRes [0] EXPLICIT RegisterSSErrPara,

eraseSS [1] EXPLICIT EraseSSErrPara,

activateSS [2] EXPLICIT ActivateSSErrPara,

deactivateSS [3] EXPLICIT ActivateSSErrPara,

interrogateSSRes [4] EXPLICIT InterrogateSSErrPara,

registerPassword [5] EXPLICIT RegisterPasswordErrPara,

getPassword [6] EXPLICIT NULL,

processUnstructuredSS-Data [7] EXPLICIT DataErrPara,

processUnstructuredSS-Request [8] EXPLICIT ProcessUSSReqErrPara,

unstructuredSS-Request [9] EXPLICIT USSDErrPara,

unstructuredSS-Notify [10] EXPLICIT USSDErrPara,

notifySS [11] EXPLICIT NULL,

buildMPTY [12] EXPLICIT BuildMPTYErrPara,

holdMPTY [13] EXPLICIT MPTYErrPara,

retrieveMPTY [14] EXPLICIT MPTYErrPara,

splitMPTY [15] EXPLICIT MPTYErrPara,

explicitCT [16] EXPLICIT ExplicitCTErrPara,

lcsNotifficationErrPara [17] EXPLICIT DataErrPara,

lcs-MOLR-ResErrPara [18] EXPLICIT Lcs-MOLR-ErrPara

}

DataErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

unexpectedDataValue [1] EXPLICIT UnexpectedDataParam

}

Lcs-MOLR-ErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

unexpectedDataValue [1] EXPLICIT UnexpectedDataParam,

dataMissing [2] EXPLICIT DataMissingParam,

facilityNotSupported [3] EXPLICIT FacilityNotSupParam,

ss-SubscriptionViolation [4] EXPLICIT SS-SubscriptionViolationParam,

positionMethodFailure [5] EXPLICIT PositionMethodFailure-Param,

...

}

RegisterSSErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

unexpectedDataValue [1] EXPLICIT UnexpectedDataParam,

dataMissing [2] EXPLICIT DataMissingParam,

bearerServiceNotProvisioned [3] EXPLICIT BearerServNotProvParam,

teleServiceNotProvisioned [4] EXPLICIT TeleservNotProvParam,

callBarred [5] EXPLICIT CallBarredParam,

illegalSSOperation [6] EXPLICIT IllegalSS-OperationParam,

ss-ErrorStatus [7] EXPLICIT SS-ErrorStatus,

ss-Incompatibility [8] EXPLICIT SS-IncompatibilityCause,

...

}

EraseSSErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

dataMissing [1] EXPLICIT DataMissingParam,

unexpectedDataValue [2] EXPLICIT UnexpectedDataParam,

bearerServiceNotProvisioned [3] EXPLICIT BearerServNotProvParam,

teleServiceNotProvisioned [4] EXPLICIT TeleservNotProvParam,

callBarred [5] EXPLICIT CallBarredParam,

illegalSSOperation [6] EXPLICIT IllegalSS-OperationParam,

ss-ErrorStatus [7] EXPLICIT SS-ErrorStatus,

...

}

InterrogateSSErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

unexpectedDataValue [1] EXPLICIT UnexpectedDataParam,

dataMissing [2] EXPLICIT DataMissingParam,

bearerServiceNotProvisioned [3] EXPLICIT BearerServNotProvParam,

teleServiceNotProvisioned [4] EXPLICIT TeleservNotProvParam,

callBarred [5] EXPLICIT CallBarredParam,

illegalSSOperation [6] EXPLICIT IllegalSS-OperationParam,

ss-NotAvailable [7] EXPLICIT SS-NotAvailable,

...

}

ActivateSSErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

dataMissing [1] EXPLICIT DataMissingParam,

unexpectedDataValue [2] EXPLICIT UnexpectedDataParam,

bearerServiceNotProvisioned [3] EXPLICIT BearerServNotProvParam,

teleServiceNotProvisioned [4] EXPLICIT TeleservNotProvParam,

callBarred [5] EXPLICIT CallBarredParam,

illegalSSOperation [6] EXPLICIT IllegalSS-OperationParam,

ss-ErrorStatus [7] EXPLICIT SS-ErrorStatus,

ss-SubscriptionViolation [8] EXPLICIT SS-SubscriptionViolationParam,

negativePW-Check [9] EXPLICIT NULL, -- EXPLICIT,

numberOfPW-AttemptsViolation [10] EXPLICIT NULL, -- EXPLICIT,

...

}

RegisterPasswordErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

dataMissing [1] EXPLICIT DataMissingParam,

unexpectedDataValue [2] EXPLICIT UnexpectedDataParam,

callBarred [3] EXPLICIT CallBarredParam,

ss-SubscriptionViolation [4] EXPLICIT SS-SubscriptionViolationParam,

pw-RegistrationFailure [5] EXPLICIT PW-RegistrationFailureCause,

negativePW-Check [6] EXPLICIT NULL, -- EXPLICIT,

numberOfPW-AttemptsViolation [7] EXPLICIT NULL, -- EXPLICIT,

...

}

ProcessUSSReqErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

dataMissing [1] EXPLICIT DataMissingParam,

unexpectedDataValue [2] EXPLICIT UnexpectedDataParam,

unknownAlphabet [3] EXPLICIT NULL, -- EXPLICIT,

callBarred [4] EXPLICIT CallBarredParam,

...

}

USSDErrPara ::= CHOICE {

systemFailure [0] EXPLICIT SystemFailureParam,

dataMissing [2] EXPLICIT DataMissingParam,

unexpectedDataValue [1] EXPLICIT UnexpectedDataParam,

absentSubscriber [3] EXPLICIT AbsentSubscriberParam,

illegalSubscriber [4] EXPLICIT IllegalSubscriberParam,

illegalEquipment [5] EXPLICIT IllegalEquipmentParam,

unknownAlphabet [6] EXPLICIT NULL, -- EXPLICIT,

ussd-Busy [7] EXPLICIT NULL, -- EXPLICIT,

...

}

BuildMPTYErrPara ::= CHOICE {

illegalSSOperation [0] EXPLICIT IllegalSS-OperationParam,

ss-ErrorStatus [1] EXPLICIT SS-ErrorStatus,

ss-NotAvailable [2] EXPLICIT SS-NotAvailable,

ss-Incompatibility [3] EXPLICIT SS-IncompatibilityCause,

systemFailure [4] EXPLICIT SystemFailureParam,

resourcesNotAvailable [5] NULL, -- EXPLICIT,

maxNumberOfMPTY-ParticipantsExceeded [6] EXPLICIT NULL, -- EXPLICIT,

...

}

MPTYErrPara ::= CHOICE {

illegalSSOperation [0] EXPLICIT IllegalSS-OperationParam,

ss-ErrorStatus [1] EXPLICIT SS-ErrorStatus,

ss-Incompatibility [2] EXPLICIT SS-IncompatibilityCause,

facilityNotSupported [3] EXPLICIT FacilityNotSupParam,

systemFailure [4] EXPLICIT SystemFailureParam,

...

}

ExplicitCTErrPara ::= CHOICE {

illegalSSOperation [0] EXPLICIT IllegalSS-OperationParam,

ss-ErrorStatus [1] EXPLICIT SS-ErrorStatus,

ss-NotAvailable [2] EXPLICIT SS-NotAvailable,

ss-Incompatibility [3] EXPLICIT SS-IncompatibilityCause,

facilityNotSupported [4] EXPLICIT FacilityNotSupParam,

systemFailure [5] EXPLICIT SystemFailureParam,

resourcesNotAvailable [6] NULL, -- EXPLICIT,

callBarred [7] EXPLICIT CallBarredParam,

...

}

END

## H.2.4 LCS-Definitions-Arguments ASN.1 module

LCS-Definitions-Arguments DEFINITIONS ::=

BEGIN

IMPORTS

AddressString,

maxAddressLength,

ExtensionContainer,

PrivateExtensionList,

PrivateExtension,

maxNumOfPrivateExtensions,

PCS-Extensions,

USSD-DataCodingScheme,

USSD-String,

maxUSSD-StringLength,

ISDN-AddressString

FROM Common-Definitions-Arguments;

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--Derived from SS-DataTypes in 3GPP TS 24.080

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LocationNotificationArg ::= SEQUENCE {

notificationType [0] IMPLICIT NotificationToMSUser,

locationType [1] IMPLICIT LocationType,

lcsClientExternalID [2] IMPLICIT LCSClientExternalID OPTIONAL,

lcsClientName [3] IMPLICIT LCSClientName OPTIONAL,

...,

lcsRequestorID [4] IMPLICIT LCSRequestorID OPTIONAL,

lcsCodeword [5] IMPLICIT LCSCodeword OPTIONAL,

lcsServiceTypeID [6] IMPLICIT LCSServiceTypeID OPTIONAL

}

-- The notificationType may only be set to notifyLocationAllowed,

-- notifyAndVerify-LocationAllowedIfNoResponse,

-- or notifyAndVerify-LocationNotAllowedIfNoResponse.

-- The locationEstimateType field of the locationType may only be set to

-- currentLocation, currentOrLastKnownLocation,

-- notificationVerificationOnly, or activateDeferredLocation.

-- The deferredLocationEventType field of the locationType may only be set to

-- enteringIntoArea, and/or leavingFromArea, and/or beingInsideArea,

-- and/or periodicLDR.

-- For LCS location notification of MT-LR for current location, the

-- locationEstimateType field of the locationType shall be set to currentLocation.

-- For LCS location notification of MT-LR for current or last known location, the

-- locationEstimateType field of the locationType shall be set to currentOrLastKnownLocation.

-- For the LCS location notification for the LDR of MS available event,

-- the locationEstimateType field of the locationType shall be set to currentLocation.

-- For LCS location notification for the LDR of change of area event,

-- the locationEstimateType field of the locationType shall be set to

-- activateDeferredLocation, and the deferredLocationEventType shall be

-- set to enteringIntoArea, and/or leavingFromArea, and/or beingInsideArea.

-- For the post positioning LCS location notification, the locationEstimateType

-- field of the locationType shall be set to notificationVerificationOnly.

-- For LCS location notification for the LDR of periodic location event,

-- the locationEstimateType field of the locationType shall be set to

-- activateDeferredLocation, and the

-- deferredLocationEventType shall be set to periodicLDR.

-- exception handling:

-- At reception of an unrecognised notificationType value the receiver shall reject the

-- operation with a return error cause of unexpected data value.

-- At reception of an unrecognised locationType value the receiver shall reject the

-- operation with a return error cause of unexpected data value.

-- At reception of an unallowed notificationType value the receiver shall either ignore the

-- received operation or reject the operation with a return error cause of unexpected

-- data value.

-- At reception of an unallowed locationType value the receiver shall either ignore the

-- received operation or reject the operation with a return error cause of unexpected

-- data value.

LocationNotificationRes ::= SEQUENCE {

verificationResponse [0] IMPLICIT VerificationResponse OPTIONAL,

... }

VerificationResponse::= ENUMERATED {

permissionDenied (0),

permissionGranted (1),

...

}

-- exception handling:

-- an unrecognized value shall be treated the same as value 0 (permissionDenied)

LCS-MOLRArg ::= SEQUENCE {

molr-Type [0] IMPLICIT MOLR-Type,

locationMethod [1] IMPLICIT LocationMethod OPTIONAL,

lcs-QoS [2] IMPLICIT LCS-QoS OPTIONAL,

lcsClientExternalID [3] IMPLICIT LCSClientExternalID OPTIONAL,

mlc-Number [4] IMPLICIT ISDN-AddressString OPTIONAL,

gpsAssistanceData [5] IMPLICIT GPSAssistanceData OPTIONAL,

...,

supportedGADShapes [6] IMPLICIT SupportedGADShapes OPTIONAL,

lcsServiceTypeID [7] IMPLICIT LCSServiceTypeID OPTIONAL,

ageOfLocationInfo [8] IMPLICIT AgeOfLocationInformation OPTIONAL,

locationType [9] IMPLICIT LocationType OPTIONAL,

pseudonymIndicator [10] IMPLICIT NULL OPTIONAL,

h-gmlc-address [11] IMPLICIT GSN-Address OPTIONAL,

locationEstimate [12] IMPLICIT Ext-GeographicalInformation OPTIONAL,

velocityEstimate [13] IMPLICIT VelocityEstimate-AGPS OPTIONAL,

referenceNumber [14] IMPLICIT LCS-ReferenceNumber OPTIONAL,

periodicLDRInfo [15] IMPLICIT PeriodicLDRInfo OPTIONAL,

locationUpdateRequest [16] IMPLICIT NULL OPTIONAL,

sequenceNumber [17] IMPLICIT SequenceNumber OPTIONAL,

terminationCause [18] IMPLICIT TerminationCause OPTIONAL,

mo-lrShortCircuit [19] IMPLICIT NULL OPTIONAL,

ganssAssistanceData [20] IMPLICIT GANSSAssistanceData OPTIONAL,

multiplePositioningProtocolPDUs [21] IMPLICIT MultiplePositioningProtocolPDUs OPTIONAL

}

-- The parameter locationMethod shall be included if and only if the

-- molr-Type is set to value deCipheringKeys or assistanceData.

-- The parameter gpsAssistanceData shall be included if and only if the

-- molr-Type is set to value assistanceData and

-- locationMethod is set to value assistedGPS or assistedGPSandGANSS.

-- The parameter ganssAssistanceData shall be included if and only if the molr-Type is set to value

-- assistanceData and locationMethod is set to value assistedGANSS or assistedGPSandGANSS.

-- supportedGADShapes shall not be included for deferred MO-LR initiation or deferred MO-LR or MT-LR

-- responses.

-- multiplePositioningProtocolPDUs may only be included for E-UTRAN access.

-- locationMethod shall not be included for E-UTRAN access.

-- gpsAssistanceData shall not be included for E-UTRAN access.

-- h-gmlc-address shall not be included for E-UTRAN access.

-- locationEstimate shall not be included for E-UTRAN access.

-- velocityEstimate shall not be included for E-UTRAN access.

-- referenceNumber shall not be included for E-UTRAN access.

-- periodicLDRInfo shall not be included for E-UTRAN access.

-- locationUpdateRequest shall not be included for E-UTRAN access.

-- sequenceNumber shall not be included for E-UTRAN access.

-- terminationCause shall not be included for E-UTRAN access.

-- mo-lrShortCircuit shall not be included for E-UTRAN access.

-- ganssAssistanceData shall not be included for E-UTRAN access.

MOLR-Type ::= ENUMERATED {

locationEstimate (0),

assistanceData (1),

deCipheringKeys (2),

...,

deferredMo-lrTTTPInitiation (3),

deferredMo-lrSelfLocationInitiation (4),

deferredMt-lrOrmo-lrTTTPLocationEstimate (5),

deferredMt-lrOrmo-lrCancellation (6)

}

-- exception handling:

-- an unrecognized value shall be rejected by the receiver with a return error cause of

-- unexpected data value.

LocationMethod ::= ENUMERATED {

msBasedEOTD (0),

msAssistedEOTD (1),

assistedGPS (2),

...,

msBasedOTDOA (3) ,

assistedGANSS (4),

assistedGPSandGANSS (5)

}

-- exception handling:

-- When this parameter is received with value msBasedEOTD or msAssistedEOTD and the MS

-- is camped on an UMTS Service Area then the receiver shall reject it

-- with a return error cause of unexpected data value.

-- When this parameter is received with value msBasedOTDOA and the MS

-- is camped on a GSM Cell then the receiver shall reject it with

-- a return error cause of unexpected data value.

-- an unrecognized value shall be rejected by the receiver with

-- a return error cause of unexpected data value.

GPSAssistanceData ::= OCTET STRING (SIZE (1..38))

-- Octets 1 to 38 are coded in the same way as the octets 3 to 7+2n

-- of Requested GPS Data IE in 3GPP TS 49.031.

GANSSAssistanceData::= OCTET STRING (SIZE (1..40))

-- Octets 1 to 40 are coded in the same way as the octets 3 to 9+2n of Requested GANSS Data IE

-- in 3GPP TS 49.031 [14] .

TerminationCause ::= ENUMERATED {

subscriberTermination (0),

uETermination (1),

... }

MultiplePositioningProtocolPDUs ::= SEQUENCE (SIZE (1..maxNumLPPMsg)) OF PositioningProtocolPDU

PositioningProtocolPDU ::= OCTET STRING

-- PositioningProtocolPDU contains a LPP message defined in 3GPP TS 36.355 [17].

maxNumLPPMsg INTEGER ::= 3

LCS-MOLRRes ::= SEQUENCE {

locationEstimate [0] IMPLICIT Ext-GeographicalInformation OPTIONAL,

decipheringKeys [1] IMPLICIT DecipheringKeys OPTIONAL,

...,

add-LocationEstimate [2] IMPLICIT Add-GeographicalInformation OPTIONAL,

velocityEstimate [3] IMPLICIT VelocityEstimate-AGPS OPTIONAL,

referenceNumber [4] IMPLICIT LCS-ReferenceNumber OPTIONAL,

h-gmlc-address [5] IMPLICIT GSN-Address OPTIONAL,

mo-lrShortCircuit [6] IMPLICIT NULL OPTIONAL,

reportingPLMNList [7] IMPLICIT ReportingPLMNList OPTIONAL

}

-- Parameters locationEstimate or add-LocationEstimate (one but not both)

-- shall be included if and only if the

-- molr-Type in LocationRequestArg was set to value locationEstimate.

-- Parameter add-LocationEstimate shall not be included

-- if the supportedGADShapes parameter was not received in the LCS-MOLRArg.

-- The locationEstimate and the add-locationEstimate parameters shall not be

-- sent if the supportedGADShapes parameter has been received in LCS-MOLRArg

-- and the shape encoded in locationEstimate or add-LocationEstimate

-- is not marked as supported in supportedGADShapes.

-- In such a case LCS-MOLRArg shall be rejected with error

-- FacilityNotSupported with additional indication

-- shapeOfLocationEstimateNotSupported.

-- Parameter decipheringKeys shall be included if and only if the molr-Type

-- in LocationRequestArg was set to value deCipheringKeys.

-- Parameter velocityEstimate may only be included if the lcs-QoS in LCS-MOLRarg includes

-- velocityRequest

DecipheringKeys ::= OCTET STRING (SIZE (15))

-- Octets in DecipheringKeys are coded in the same way as the octets 3 to 17

-- of Deciphering Key IE in 3GPP TS 49.031. I.e. these octets contain

-- Current Deciphering Key, Next Deciphering Key and Ciphering Key Flag.

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- Derived from MAP-Errors 3GPP 29.002

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SystemFailureParam ::= CHOICE {

networkResource NetworkResource,

-- networkResource must not be used in version 3

extensibleSystemFailureParam ExtensibleSystemFailureParam

-- extensibleSystemFailureParam must not be used in version <3

}

NetworkResource ::= ENUMERATED {

plmn (0),

hlr (1),

vlr (2),

pvlr (3),

controllingMSC (4),

vmsc (5),

eir (6),

rss (7)

}

ExtensibleSystemFailureParam ::= SEQUENCE {

networkResource NetworkResource OPTIONAL,

extensionContainer ExtensionContainer OPTIONAL,

...,

additionalNetworkResource [0] AdditionalNetworkResource OPTIONAL,

failureCauseParam [1] FailureCauseParam OPTIONAL

}

AdditionalNetworkResource ::= ENUMERATED {

sgsn (0),

ggsn (1),

gmlc (2),

gsmSCF (3),

nplr (4),

auc (5),

...,

ue (6),

mme (7)

}

-- if unknown value is received in AdditionalNetworkResource

-- it shall be ignored.

FailureCauseParam ::= ENUMERATED {

limitReachedOnNumberOfConcurrentLocationRequests (0),

... }

-- if unknown value is received in FailureCauseParam it shall be ignored

UnexpectedDataParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...,

unexpectedSubscriber [0] NULL OPTIONAL

}

-- the unexpectedSubscriber indication in the unexpectedDataValue error shall not be used

-- for operations that allow the unidentifiedSubscriber error.

DataMissingParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...

}

FacilityNotSupParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...,

shapeOfLocationEstimateNotSupported [0] IMPLICIT NULL OPTIONAL,

neededLcsCapabilityNotSupportedInServingNode [1] IMPLICIT NULL OPTIONAL

}

SS-SubscriptionViolationParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...

}

PositionMethodFailure-Param ::= SEQUENCE {

positionMethodFailure-Diagnostic [0] IMPLICIT PositionMethodFailure-Diagnostic OPTIONAL,

extensionContainer [1] IMPLICIT ExtensionContainer OPTIONAL,

...

}

PositionMethodFailure-Diagnostic ::= ENUMERATED {

congestion (0),

insufficientResources (1),

insufficientMeasurementData (2),

inconsistentMeasurementData (3),

locationProcedureNotCompleted (4),

locationProcedureNotSupportedByTargetMS (5),

qoSNotAttainable (6),

positionMethodNotAvailableInNetwork (7),

positionMethodNotAvailableInLocationArea (8),

...

}

-- exception handling:

-- any unrecognized value shall be ignored

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- From 3GPP TS 29.002

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

NotificationToMSUser ::= ENUMERATED {

notifyLocationAllowed (0),

notifyAndVerify-LocationAllowedIfNoResponse (1),

notifyAndVerify-LocationNotAllowedIfNoResponse (2),

...,

locationNotAllowed (3) }

-- exception handling:

-- At reception of any other value than the ones listed the receiver shall ignore

-- NotificationToMSUser.

LocationType ::= SEQUENCE {

locationEstimateType [0] IMPLICIT LocationEstimateType,

...,

deferredLocationEventType [1] IMPLICIT DeferredLocationEventType OPTIONAL }

LocationEstimateType ::= ENUMERATED {

currentLocation (0),

currentOrLastKnownLocation (1),

initialLocation (2),

...,

activateDeferredLocation (3),

cancelDeferredLocation (4),

notificationVerificationOnly (5)

}

-- exception handling:

-- a ProvideSubscriberLocation-Arg containing an unrecognized LocationEstimateType

-- shall be rejected by the receiver with a return error cause of unexpected data value

DeferredLocationEventType ::= BIT STRING {

msAvailable (0),

enteringIntoArea (1),

leavingFromArea (2),

beingInsideArea (3) ,

periodicLDR (4)

} (SIZE (1..16))

-- beingInsideArea is always treated as oneTimeEvent regardless of the possible value

-- of occurrenceInfo inside areaEventInfo.

-- exception handling:

-- a ProvideSubscriberLocation-Arg containing other values than listed above in

-- DeferredLocationEventType shall be rejected by the receiver with a return error cause of

-- unexpected data value.

LCSClientExternalID ::= SEQUENCE {

externalAddress [0] IMPLICIT ISDN-AddressString OPTIONAL,

extensionContainer [1] IMPLICIT ExtensionContainer OPTIONAL,

...

}

LCSClientName ::= SEQUENCE {

dataCodingScheme [0] IMPLICIT USSD-DataCodingScheme,

nameString [2] IMPLICIT NameString,

...,

lcs-FormatIndicator [3] IMPLICIT LCS-FormatIndicator OPTIONAL

}

-- The USSD-DataCodingScheme shall indicate use of the default alphabet through the following encoding

-- bit 7 6 5 4 3 2 1 0

-- 0 0 0 0 1 1 1 1

NameString ::= USSD-String (SIZE (1..maxNameStringLength))

maxNameStringLength INTEGER ::= 63

LCSRequestorID ::= SEQUENCE {

dataCodingScheme [0] IMPLICIT USSD-DataCodingScheme,

requestorIDString [1] IMPLICIT RequestorIDString,

...,

lcs-FormatIndicator [2] IMPLICIT LCS-FormatIndicator OPTIONAL

}

LCS-FormatIndicator ::= ENUMERATED {

logicalName (0),

e-mailAddress (1),

msisdn (2),

url (3),

sipUrl (4),

... }

RequestorIDString ::= USSD-String (SIZE (1..maxRequestorIDStringLength))

maxRequestorIDStringLength INTEGER ::= 63

LCSCodeword ::= SEQUENCE {

dataCodingScheme [0] IMPLICIT USSD-DataCodingScheme,

lcsCodewordString [1] IMPLICIT LCSCodewordString,

...

}

LCSCodewordString ::= USSD-String (SIZE (1..maxLCSCodewordStringLength))

maxLCSCodewordStringLength INTEGER ::= 20

LCSServiceTypeID ::= INTEGER (0..127)

-- the integer values 0-63 are reserved for Standard LCS service types

-- the integer values 64-127 are reserved for Non Standard LCS service types

LCS-QoS ::= SEQUENCE {

horizontal-accuracy [0] IMPLICIT Horizontal-Accuracy OPTIONAL,

verticalCoordinateRequest [1] IMPLICIT NULL OPTIONAL,

vertical-accuracy [2] IMPLICIT Vertical-Accuracy OPTIONAL,

responseTime [3] IMPLICIT ResponseTime OPTIONAL,

extensionContainer [4] IMPLICIT ExtensionContainer OPTIONAL,

...,

velocityRequest [5] IMPLICIT NULL OPTIONAL

}

Horizontal-Accuracy ::= OCTET STRING (SIZE (1))

-- bit 8 = 0

-- bits 7-1 = 7 bit Uncertainty Code defined in 3GPP TS 23.032. The horizontal location

-- error should be less than the error indicated by the uncertainty code with 67%

-- confidence.

Vertical-Accuracy ::= OCTET STRING (SIZE (1))

-- bit 8 = 0

-- bits 7-1 = 7 bit Vertical Uncertainty Code defined in 3GPP TS 23.032.

-- The vertical location error should be less than the error indicated

-- by the uncertainty code with 67% confidence.

ResponseTime ::= SEQUENCE {

responseTimeCategory ResponseTimeCategory,

...

}

-- note: an expandable SEQUENCE simplifies later addition of a numeric response time.

ResponseTimeCategory ::= ENUMERATED {

lowdelay (0),

delaytolerant (1),

...}

-- exception handling:

-- an unrecognized value shall be treated the same as value 1 (delaytolerant)

SupportedGADShapes ::= BIT STRING {

ellipsoidPoint (0),

ellipsoidPointWithUncertaintyCircle (1),

ellipsoidPointWithUncertaintyEllipse (2),

polygon (3),

ellipsoidPointWithAltitude (4),

ellipsoidPointWithAltitudeAndUncertaintyElipsoid (5),

ellipsoidArc (6) } (SIZE (7..16))

-- A node shall mark in the BIT STRING all Shapes defined in 3GPP TS 23.032 it supports.

-- exception handling: bits 7 to 15 shall be ignored if received.

Ext-GeographicalInformation ::= OCTET STRING (SIZE (1..maxExt-GeographicalInformation))

-- Refers to geographical Information defined in 3GPP TS 23.032.

-- This is composed of 1 or more octets with an internal structure according to

-- 3GPP TS 23.032

-- Octet 1: Type of shape, only the following shapes in 3GPP TS 23.032 are allowed:

-- (a) Ellipsoid point with uncertainty circle

-- (b) Ellipsoid point with uncertainty ellipse

-- (c) Ellipsoid point with altitude and uncertainty ellipsoid

-- (d) Ellipsoid Arc

-- (e) Ellipsoid Point

-- Any other value in octet 1 shall be treated as invalid

-- Octets 2 to 8 for case (a) Ellipsoid point with uncertainty circle

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

-- Uncertainty code 1 octet

-- Octets 2 to 11 for case (b) Ellipsoid point with uncertainty ellipse:

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

-- Uncertainty semi-major axis 1 octet

-- Uncertainty semi-minor axis 1 octet

-- Angle of major axis 1 octet

-- Confidence 1 octet

-- Octets 2 to 14 for case (c) Ellipsoid point with altitude and uncertainty ellipsoid

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

-- Altitude 2 octets

-- Uncertainty semi-major axis 1 octet

-- Uncertainty semi-minor axis 1 octet

-- Angle of major axis 1 octet

-- Uncertainty altitude 1 octet

-- Confidence 1 octet

-- Octets 2 to 13 for case (d) Ellipsoid Arc

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

-- Inner radius 2 octets

-- Uncertainty radius 1 octet

-- Offset angle 1 octet

-- Included angle 1 octet

-- Confidence 1 octet

-- Octets 2 to 7 for case (e) Ellipsoid Point

-- Degrees of Latitude 3 octets

-- Degrees of Longitude 3 octets

--

-- An Ext-GeographicalInformation parameter comprising more than one octet and

-- containing any other shape or an incorrect number of octets or coding according

-- to 3GPP TS 23.032 shall be treated as invalid data by a receiver.

--

-- An Ext-GeographicalInformation parameter comprising one octet shall be discarded

-- by the receiver if an Add-GeographicalInformation parameter is received

-- in the same message.

--

-- An Ext-GeographicalInformation parameter comprising one octet shall be treated as

-- invalid data by the receiver if an Add-GeographicalInformation parameter is not

-- received in the same message.

maxExt-GeographicalInformation INTEGER ::= 20

-- the maximum length allows for further shapes in 3GPP TS 23.032 to be included in later

-- versions of 3GPP TS 29.002

Add-GeographicalInformation ::= OCTET STRING (SIZE (1..maxAdd-GeographicalInformation))

-- Refers to geographical Information defined in 3GPP TS 23.032.

-- This is composed of 1 or more octets with an internal structure according to

-- 3GPP TS 23.032

-- Octet 1: Type of shape, all the shapes defined in 3GPP TS 23.032 are allowed:

-- Octets 2 to n (where n is the total number of octets necessary to encode the shape

-- according to 3GPP TS 23.032) are used to encode the shape itself in accordance with the

-- encoding defined in 3GPP TS 23.032

--

-- An Add-GeographicalInformation parameter, whether valid or invalid, received

-- together with a valid Ext-GeographicalInformation parameter in the same message

-- shall be discarded.

--

-- An Add-GeographicalInformation parameter containing any shape not defined in

-- 3GPP TS 23.032 or an incorrect number of octets or coding according to

-- 3GPP TS 23.032 shall be treated as invalid data by a receiver if not received

-- together with a valid Ext-GeographicalInformation parameter in the same message.

maxAdd-GeographicalInformation INTEGER ::= 91

-- the maximum length allows support for all the shapes currently defined in 3GPP TS 23.032

AgeOfLocationInformation ::= INTEGER (0..32767)

-- the value represents the elapsed time in minutes since the last

-- network contact of the mobile station (i.e. the actuality of the

-- location information).

-- value "0" indicates that the MS is currently in contact with the network

-- "32767" indicates that the location information is at least 32767 minutes old

GSN-Address ::= OCTET STRING (SIZE (5..17))

-- Octets are coded according to TS 3GPP TS 23.003

LCS-ReferenceNumber ::= OCTET STRING (SIZE(1))

PeriodicLDRInfo ::= SEQUENCE {

reportingAmount ReportingAmount-AGPS,

reportingInterval ReportingInterval-AGPS,

...

}

-- reportingInterval x reportingAmount shall not exceed 8639999 (99 days, 23 hours,

-- 59 minutes and 59 seconds) for compatibility with OMA MLP and RLP

ReportingAmount-AGPS ::= INTEGER (1..maxReportingAmount)

maxReportingAmount INTEGER ::= 8639999

ReportingInterval-AGPS ::= INTEGER (1..maxReportingInterval)

-- ReportingInterval is in seconds

maxReportingInterval INTEGER ::= 8639999

VelocityEstimate-AGPS ::= OCTET STRING (SIZE (4..7))

-- Refers to Velocity description defined in 3GPP TS 23.032.

-- This is composed of 4 or more octets with an internal structure according to

-- 3GPP TS 23.032

-- Octet 1: Type of velocity, only the following types in 3GPP TS 23.032 are allowed:

-- (a) Horizontal Velocity

-- (b) Horizontal with Vertical Velocity

-- (c) Horizontal Velocity with Uncertainty

-- (d) Horizontal with Vertical Velocity and Uncertainty

-- For types Horizontal with Vertical Velocity and Horizontal with Vertical Velocity

-- and Uncertainty, the direction of the Vertical Speed is also included in Octet 1

-- Any other value in octet 1 shall be treated as invalid

-- Octets 2 to 4 for case (a) Horizontal velocity:

-- Bearing 1 octet

-- Horizontal Speed 2 octets

-- Octets 2 to 5 for case (b) Horizontal with Vertical Velocity:

-- Bearing 1 octet

-- Horizontal Speed 2 octets

-- Vertical Speed 1 octet

-- Octets 2 to 5 for case (c) Horizontal velocity with Uncertainty:

-- Bearing 1 octet

-- Horizontal Speed 2 octets

-- Uncertainty Speed 1 octet

-- Octets 2 to 7 for case (d) Horizontal with Vertical Velocity and Uncertainty:

-- Bearing 1 octet

-- Horizontal Speed 2 octets

-- Vertical Speed 1 octet

-- Horizontal Uncertainty Speed 1 octet

-- Vertical Uncertainty Speed 1 octet

SequenceNumber ::= INTEGER (1..maxReportingAmount)

ReportingPLMNList::= SEQUENCE {

plmn-ListPrioritized [0] NULL OPTIONAL,

plmn-List [1] PLMNList

}

PLMNList::= SEQUENCE SIZE (1..maxNumOfReportingPLMN) OF

ReportingPLMN

maxNumOfReportingPLMN INTEGER ::= 20

ReportingPLMN::= SEQUENCE {

plmn-Id [0] PLMN-Id,

ran-Technology [1] RAN-Technology OPTIONAL,

ran-PeriodicLocationSupport [2] NULL OPTIONAL,

...

}

RAN-Technology ::= ENUMERATED {

gsm (0),

umts (1),

... }

PLMN-Id ::= OCTET STRING (SIZE (3))

-- The internal structure is defined as follows:

-- octet 1 bits 4321 Mobile Country Code 1st digit

-- bits 8765 Mobile Country Code 2nd digit

-- octet 2 bits 4321 Mobile Country Code 3rd digit

-- bits 8765 Mobile Network Code 3rd digit

-- or filler (1111) for 2 digit MNCs

-- octet 3 bits 4321 Mobile Network Code 1st digit

-- bits 8765 Mobile Network Code 2nd digit

END

## H.2.5 SS-Definitions-Arguments ASN.1 module

SS-Definitions-Arguments DEFINITIONS ::=

BEGIN

IMPORTS

AddressString,

maxAddressLength,

ExtensionContainer,

PrivateExtensionList,

PrivateExtension,

maxNumOfPrivateExtensions,

PCS-Extensions,

USSD-DataCodingScheme,

USSD-String,

maxUSSD-StringLength,

ISDN-AddressString

FROM Common-Definitions-Arguments;

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--Derived from SS-DataTypes in 3GPP TS 24.080

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

RegisterSS-Arg ::= SEQUENCE {

ss-Code SS-Code,

basicService BasicServiceCode OPTIONAL,

forwardedToNumber [4] AddressString OPTIONAL,

forwardedToSubaddress [6] ISDN-SubaddressString OPTIONAL,

noReplyConditionTime [5] NoReplyConditionTime OPTIONAL,

...,

defaultPriority [7] EMLPP-Priority OPTIONAL,

nbrUser [8] MC-Bearers OPTIONAL,

longFTN-Supported [9] NULL OPTIONAL }

InterrogateSS-Res ::= CHOICE {

ss-Status [0] SS-Status,

basicServiceGroupList [2] BasicServiceGroupList,

forwardingFeatureList [3] ForwardingFeatureList,

genericServiceInfo [4] GenericServiceInfo }

USSD-Arg ::= SEQUENCE {

ussd-DataCodingScheme USSD-DataCodingScheme,

ussd-String USSD-String,

... ,

alertingPattern AlertingPattern OPTIONAL,

msisdn [0] ISDN-AddressString OPTIONAL }

USSD-Res ::= SEQUENCE {

ussd-DataCodingScheme USSD-DataCodingScheme,

ussd-String USSD-String,

...}

NotifySS-Arg ::= SEQUENCE{

ss-Code [1] SS-Code OPTIONAL,

ss-Status [4] SS-Status OPTIONAL,

ss-Notification [5] SS-Notification OPTIONAL,

callIsWaiting-Indicator [14] NULL OPTIONAL,

callOnHold-Indicator [15] CallOnHold-Indicator OPTIONAL,

mpty-Indicator [16] NULL OPTIONAL,

cug-Index [17] CUG-Index OPTIONAL,

clirSuppressionRejected [18] NULL OPTIONAL,

... ,

ect-Indicator [19] ECT-Indicator OPTIONAL,

nameIndicator [20] NameIndicator OPTIONAL,

ccbs-Feature [21] CCBS-Feature OPTIONAL,

alertingPattern [22] AlertingPattern OPTIONAL,

multicall-Indicator [23] Multicall-Indicator OPTIONAL

}

-- The nameIndicator is defined because of CNAP.

NoReplyConditionTime ::= INTEGER (5..30)

CallBarredParam ::= CHOICE {

callBarringCause CallBarringCause,

-- call BarringCause must not be used in version 3 and higher

extensibleCallBarredParam ExtensibleCallBarredParam

-- extensibleCallBarredParam must not be used in version <3

}

CallBarringCause ::= ENUMERATED {

barringServiceActive (0),

operatorBarring (1)}

ExtensibleCallBarredParam ::= SEQUENCE {

callBarringCause CallBarringCause OPTIONAL,

extensionContainer ExtensionContainer OPTIONAL,

... ,

unauthorisedMessageOriginator [1] NULL OPTIONAL,

anonymousCallRejection [2] NULL OPTIONAL }

-- unauthorisedMessageOriginator and anonymousCallRejection shall be mutually exclusive.

ECT-Indicator ::= SEQUENCE {

ect-CallState [0] ECT-CallState,

rdn [1] RDN OPTIONAL,

...}

ECT-CallState ::= ENUMERATED {

alerting (0),

active (1)}

RDN ::= CHOICE {

presentationAllowedAddress [0] RemotePartyNumber,

presentationRestricted [1] NULL,

numberNotAvailableDueToInterworking [2] NULL,

presentationRestrictedAddress [3] RemotePartyNumber}

RemotePartyNumber ::= SEQUENCE {

partyNumber [0] ISDN-AddressString,

partyNumberSubaddress [1] ISDN-SubaddressString OPTIONAL,

...}

IllegalSubscriberParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...}

IllegalEquipmentParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...}

BearerServNotProvParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...}

TeleservNotProvParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...}

IllegalSS-OperationParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...}

SS-NotAvailableParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...}

SS-SubscriptionViolationParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...}

SS-IncompatibilityCause ::= SEQUENCE {

ss-Code [1] SS-Code OPTIONAL,

basicService BasicServiceCode OPTIONAL,

ss-Status [4] SS-Status OPTIONAL,

...}

PW-RegistrationFailureCause ::= ENUMERATED {

undetermined (0),

invalidFormat (1),

newPasswordsMismatch (2)}

SS-ErrorStatus ::= SEQUENCE {

sS-Status SS-Status OPTIONAL,

...}

SS-NotAvailable ::= SEQUENCE {

sS-NotAvailable SS-NotAvailableParam OPTIONAL,

...}

Password ::= NumericString

(FROM ("0"|"1"|"2"|"3"|"4"|"5"|"6"|"7"|"8"|"9"))

(SIZE (4))

GuidanceInfo ::= ENUMERATED {

enterPW (0),

enterNewPW (1),

enterNewPW-Again (2)}

-- How this information is really delivered to the subscriber

-- (display, announcement, ...) is not part of this

-- specification.

AbsentSubscriberParam ::= SEQUENCE {

extensionContainer ExtensionContainer OPTIONAL,

...,

absentSubscriberReason [0] AbsentSubscriberReason OPTIONAL}

AbsentSubscriberReason ::= ENUMERATED {

imsiDetach (0),

restrictedArea (1),

noPageResponse (2),

... ,

purgedMS (3),

mtRoamingRetry (4),

busySubscriber (5)}

-- exception handling: at reception of other values than the ones listed the

-- AbsentSubscriberReason shall be ignored.

-- The AbsentSubscriberReason: purgedMS is defined for the Super-Charger feature

-- (see TS 23.116). If this value is received in a Provide Roaming Number response

-- it shall be mapped to the AbsentSubscriberReason: imsiDetach in the Send Routeing

-- Information response

-- The AbsentSubscriberReason: mtRoamingRetry is used during MT Roaming Retry,

-- see 3GPP TS 23.018[97].

-- The AbsentSubscriberReason: busySubscriber is used during MT Roaming Forwarding,

-- see 3GPP TS 23.018[97].

SS-UserData ::= IA5String (SIZE (1.. maxSignalInfoLength))

maxSignalInfoLength INTEGER ::= 200

-- This NamedValue represents the theoretical maximum number of octets which is

-- available to carry a single instance of the SignalInfo data type,

-- without requiring segmentation to cope with the network layer service.

-- However, the actual maximum size available for an instance of the data

-- type may be lower, especially when other information elements

-- have to be included in the same component.

SS-ForBS-Code ::= SEQUENCE {

ss-Code SS-Code,

basicService BasicServiceCode OPTIONAL,

...,

longFTN-Supported [4] NULL OPTIONAL }

SS-Code ::= OCTET STRING (SIZE (1))

-- This type is used to represent the code identifying a single

-- supplementary service, a group of supplementary services, or

-- all supplementary services. The services and abbreviations

-- used are defined in TS 3GPP TS 22.004 [5]. The internal structure is

-- defined as follows:

--

-- bits 87654321: group (bits 8765), and specific service

-- (bits 4321)

SS-Info ::= CHOICE {

forwardingInfo [0] ForwardingInfo,

callBarringInfo [1] CallBarringInfo,

ss-Data [3] SS-Data}

ForwardingInfo ::= SEQUENCE {

ss-Code SS-Code OPTIONAL,

forwardingFeatureList ForwardingFeatureList,

...}

CallBarringInfo ::= SEQUENCE {

ss-Code SS-Code OPTIONAL,

callBarringFeatureList CallBarringFeatureList,

...}

CallBarringFeatureList ::= SEQUENCE SIZE (1..maxNumOfBasicServiceGroups) OF

CallBarringFeature

CallBarringFeature ::= SEQUENCE {

basicService BasicServiceCode OPTIONAL,

ss-Status [4] SS-Status OPTIONAL,

...}

SS-Data ::= SEQUENCE {

ss-Code SS-Code OPTIONAL,

ss-Status [4] SS-Status OPTIONAL,

ss-SubscriptionOption SS-SubscriptionOption OPTIONAL,

basicServiceGroupList BasicServiceGroupList OPTIONAL,

...,

defaultPriority EMLPP-Priority OPTIONAL,

nbrUser [5] MC-Bearers OPTIONAL

}

SS-SubscriptionOption ::= CHOICE {

cliRestrictionOption [2] CliRestrictionOption,

overrideCategory [1] OverrideCategory}

BasicServiceCode ::= CHOICE {

bearerService [2] BearerServiceCode,

teleservice [3] TeleserviceCode}

BearerServiceCode ::= OCTET STRING (SIZE (1))

-- This type is used to represent the code identifying a single

-- bearer service, a group of bearer services, or all bearer

-- services. The services are defined in TS 3GPP TS 22.002 [3].

-- The internal structure is defined as follows:

--

-- plmn-specific bearer services:

-- bits 87654321: defined by the HPLMN operator

-- rest of bearer services:

-- bit 8: 0 (unused)

-- bits 7654321: group (bits 7654), and rate, if applicable

-- (bits 321)

TeleserviceCode ::= OCTET STRING (SIZE (1))

-- This type is used to represent the code identifying a single

-- teleservice, a group of teleservices, or all teleservices. The

-- services are defined in TS GSM 22.003 [4].

-- The internal structure is defined as follows:

-- bits 87654321: group (bits 8765) and specific service

-- (bits 4321)

ISDN-SubaddressString ::=

OCTET STRING (SIZE (1..maxISDN-SubaddressLength))

-- This type is used to represent ISDN subaddresses.

-- It is composed of

-- a) one octet for type of subaddress and odd/even indicator.

-- b) 20 octets for subaddress information.

-- a) The first octet includes a one bit extension indicator, a

-- 3 bits type of subaddress and a one bit odd/even indicator,

-- encoded as follows:

-- bit 8: 1 (no extension)

-- bits 765: type of subaddress

-- 000 NSAP (X.213/ISO 8348 AD2)

-- 010 User Specified

-- All other values are reserved

-- bit 4: odd/even indicator

-- 0 even number of address signals

-- 1 odd number of address signals

-- The odd/even indicator is used when the type of subaddress

-- is "user specified" and the coding is BCD.

-- bits 321: 000 (unused)

-- b) Subaddress information.

-- The NSAP X.213/ISO8348AD2 address shall be formatted as specified

-- by octet 4 which contains the Authority and Format Identifier

-- (AFI). The encoding is made according to the "preferred binary

-- encoding" as defined in X.213/ISO834AD2. For the definition

-- of this type of subaddress, see ITU-T Rec I.334.

-- For User-specific subaddress, this field is encoded according

-- to the user specification, subject to a maximum length of 20

-- octets. When interworking with X.25 networks BCD coding should

-- be applied.

maxISDN-SubaddressLength INTEGER ::= 21

EMLPP-Priority ::= INTEGER (0..15)

-- The mapping from the values A,B,0,1,2,3,4 to the integer-value is

-- specified as follows where A is the highest and 4 is the lowest

-- priority level

-- the integer values 7-15 are spare and shall be mapped to value 4

MC-Bearers ::= INTEGER (1..maxNumOfMC-Bearers)

maxNumOfMC-Bearers INTEGER ::= 7

SS-Status ::= OCTET STRING (SIZE (1))

-- bits 8765: 0000 (unused)

-- bits 4321: Used to convey the "P bit","R bit","A bit" and "Q bit",

-- representing supplementary service state information

-- as defined in TS 3GPP TS 23.011 [22]

-- bit 4: "Q bit"

-- bit 3: "P bit"

-- bit 2: "R bit"

-- bit 1: "A bit"

SS-Notification ::= OCTET STRING (SIZE (1))

-- Bit 8 7 6 5 4 00000 (Unused)

-- Bit 3 Call is forwarded indication to A-subscriber

-- (calling subscriber)

-- 0 No information content

-- 1 Outgoing call has been forwarded to C

-- Bit 2 Call is forwarded indication to B-subscriber

-- (forwarding subscriber)

-- 0 No information content

-- 1 Incoming call has been forwarded to C

-- Bit 1 Call is forwarded indication to C-subscriber

-- (forwarded-to subscriber)

-- 0 No information content

-- 1 Incoming call is a forwarded call

ForwardingFeatureList ::=

SEQUENCE SIZE (1..maxNumOfBasicServiceGroups) OF

ForwardingFeature

ForwardingFeature ::= SEQUENCE {

basicService BasicServiceCode OPTIONAL,

ss-Status [4] SS-Status OPTIONAL,

forwardedToNumber [5] ISDN-AddressString OPTIONAL,

forwardedToSubaddress [8] ISDN-SubaddressString OPTIONAL,

forwardingOptions [6] ForwardingOptions OPTIONAL,

noReplyConditionTime [7] NoReplyConditionTime OPTIONAL,

...,

longForwardedToNumber [9] FTN-AddressString OPTIONAL }

ForwardingOptions ::= OCTET STRING (SIZE (1))

-- bit 8: notification to forwarding party

-- 0 no notification

-- 1 notification

-- bit 7: redirecting presentation

-- 0 no presentation

-- 1 presentation

-- bit 6: notification to calling party

-- 0 no notification

-- 1 notification

-- bit 5: 0 (unused)

-- bits 43: forwarding reason

-- 00 ms not reachable

-- 01 ms busy

-- 10 no reply

-- 11 unconditional when used in a SRI Result,

-- or call deflection when used in a RCH Argument

-- bits 21: 00 (unused)

FTN-AddressString ::=

AddressString (SIZE (1..maxFTN-AddressLength))

-- This type is used to represent forwarded-to numbers.

-- If NAI = international the first digits represent the country code (CC)

-- and the network destination code (NDC) as for E.164.

maxFTN-AddressLength INTEGER ::= 15

BasicServiceGroupList ::= SEQUENCE SIZE (1..maxNumOfBasicServiceGroups) OF

BasicServiceCode

maxNumOfBasicServiceGroups INTEGER ::= 13

OverrideCategory ::= ENUMERATED {

overrideEnabled (0),

overrideDisabled (1)}

CliRestrictionOption ::= ENUMERATED {

permanent (0),

temporaryDefaultRestricted (1),

temporaryDefaultAllowed (2)}

GenericServiceInfo ::= SEQUENCE {

ss-Status SS-Status,

cliRestrictionOption CliRestrictionOption OPTIONAL,

...,

maximumEntitledPriority [0] EMLPP-Priority OPTIONAL,

defaultPriority [1] EMLPP-Priority OPTIONAL,

ccbs-FeatureList [2] CCBS-FeatureList OPTIONAL,

nbrSB [3] MaxMC-Bearers OPTIONAL,

nbrUser [4] MC-Bearers OPTIONAL,

nbrSN [5] MC-Bearers OPTIONAL }

MaxMC-Bearers ::= INTEGER (2..maxNumOfMC-Bearers)

CCBS-FeatureList ::= SEQUENCE SIZE (1..maxNumOfCCBS-Requests) OF

CCBS-Feature

maxNumOfCCBS-Requests INTEGER ::= 5

CCBS-Feature ::= SEQUENCE {

ccbs-Index [0] CCBS-Index OPTIONAL,

b-subscriberNumber [1] ISDN-AddressString OPTIONAL,

b-subscriberSubaddress [2] ISDN-SubaddressString OPTIONAL,

basicServiceGroup [3] BasicServiceCode OPTIONAL,

...}

CCBS-Index ::= INTEGER (1..maxNumOfCCBS-Requests)

CallOnHold-Indicator ::= ENUMERATED {

callRetrieved (0),

callOnHold (1)}

CUG-Index ::= INTEGER (0..32767)

-- The internal structure is defined in ETS 300 138.

NameIndicator ::= SEQUENCE {

callingName [0] Name OPTIONAL,

...}

Name ::= CHOICE {

namePresentationAllowed [0] NameSet,

presentationRestricted [1] NULL,

nameUnavailable [2] NULL,

namePresentationRestricted [3] NameSet}

NameSet ::= SEQUENCE {

dataCodingScheme [0] USSD-DataCodingScheme,

lengthInCharacters [1] INTEGER,

nameString [2] USSD-String,

...}

-- NameIndicator, Name and NameSet are defined because of CNAP.

-- The USSD-DataCodingScheme shall indicate use of the default alphabet through the

-- following encoding:

-- bit 7 6 5 4 3 2 1 0

-- | 0 0 0 0 | 1 1 1 1|

AlertingPattern ::= OCTET STRING (SIZE (1) )

-- This type is used to represent Alerting Pattern

-- bits 8765 : 0000 (unused)

-- bits 43 : type of Pattern

-- 00 level

-- 01 category

-- 10 category

-- all other values are reserved.

-- bits 21 : type of alerting

alertingLevel-0 AlertingPattern ::= '00000000'B

alertingLevel-1 AlertingPattern ::= '00000001'B

alertingLevel-2 AlertingPattern ::= '00000010'B

-- all other values of Alerting level are reserved

-- Alerting Levels are defined in GSM 02.07

alertingCategory-1 AlertingPattern ::= '00000100'B

alertingCategory-2 AlertingPattern ::= '00000101'B

alertingCategory-3 AlertingPattern ::= '00000110'B

alertingCategory-4 AlertingPattern ::= '00000111'B

alertingCategory-5 AlertingPattern ::= '00001000'B

-- all other values of Alerting Category are reserved

-- Alerting categories are defined in GSM 02.07

Multicall-Indicator ::= ENUMERATED {

nbr-SNexceeded (0),

nbr-Userexceeded (1)}

END

## H.2.6 Common-Definitions ASN.1 module

Common-Definitions-Arguments DEFINITIONS ::=

BEGIN

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--Derived from SS-DataTypes in 3GPP TS 24.080

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ISDN-AddressString ::= AddressString (SIZE (1..maxISDN-AddressLength))

-- This type is used to represent ISDN numbers.

maxISDN-AddressLength INTEGER ::= 9

AddressString ::= OCTET STRING (SIZE (1..maxAddressLength))

-- This type is used to represent a number for addressing purposes. It is

-- composed of

-- a) one octet for nature of address, and numbering plan indicator.

-- b) digits of an address encoded as TBCD-String.

-- a) The first octet includes a one bit extension indicator, a

-- 3 bits nature of address indicator and a 4 bits numbering

-- plan indicator, encoded as follows:

-- bit 8: 1 (no extension)

-- bits 765: nature of address indicator

-- 000 unknown

-- 001 international number

-- 010 national significant number

-- 011 network specific number

-- 100 subscriber number

-- 101 reserved

-- 110 abbreviated number

-- 111 reserved for extension

-- bits 4321: numbering plan indicator

-- 0000 unknown

-- 0001 ISDN/Telephony Numbering Plan (Rec ITU-T E.164)

-- 0010 spare

-- 0011 data numbering plan (ITU-T Rec X.121)

-- 0100 telex numbering plan (ITU-T Rec F.69)

-- 0101 spare

-- 0110 land mobile numbering plan (ITU-T Rec E.212)

-- 0111 spare

-- 1000 national numbering plan

-- 1001 private numbering plan

-- 1111 reserved for extension

-- all other values are reserved.

-- b) The following octets representing digits of an address

-- encoded as a TBCD-STRING.

maxAddressLength INTEGER ::= 20

ExtensionContainer ::= SEQUENCE {

privateExtensionList [0] IMPLICIT PrivateExtensionList OPTIONAL,

pcs-Extensions [1] IMPLICIT PCS-Extensions OPTIONAL,

...

}

PrivateExtensionList ::= SEQUENCE SIZE (1..maxNumOfPrivateExtensions) OF

PrivateExtension

PrivateExtension ::= SEQUENCE {

extId OBJECT IDENTIFIER,

extType OCTET STRING OPTIONAL}

maxNumOfPrivateExtensions INTEGER ::= 10

PCS-Extensions ::= SEQUENCE {...}

USSD-DataCodingScheme ::= OCTET STRING (SIZE (1))

-- The structure of the USSD-DataCodingScheme is defined by the Cell

-- Broadcast Data Coding Scheme as described in TS 3GPP TS 23.038 [2]

USSD-String ::= OCTET STRING (SIZE (1..maxUSSD-StringLength))

-- The structure of the contents of the USSD-String is dependent

-- on the USSD-DataCodingScheme as described in TS 3GPP TS 23.038 [25].

maxUSSD-StringLength INTEGER ::= 160

END

Annex I (Informative):  
Guidance on test execution

This clause provides the guidance on test execution of the different ATSs.

# I.1 Void

# I.2 FDD test execution on different frequency bands

## I.2.1 FDD Band VI, XIII, IX, XIV

A test case requires more than two radio frequencies shall avoid to execute on FDD Band VI, XIII and XIV. A list is given below.

6.1.1.4, 6.1.1.5, 6.1.1.7, 6.1.1.8, 6.1.1.9, 6.1.1.10, 6.1.1.11, 6.1.1.12, 6.1.1.13, 6.1.1.15, 6.1.2.3, 6.1.2.4, 6.1.2.6, 6.1.2.8, 6.1.2.11, 8.2.6.38, 8.3.1.21, 8.3.2.11, 8.4.1.42, 9.4.2.5, 9.4.5.4.1, 9.4.5.4.6, 9.4.8, 12.4.1.4b, 12.4.2.4, 12.4.2.5e.

For interBand test case execution on Band VI and IX, the Mobile Country Code of the two cells is set to the same value according to TS 34.108 clause 5.1.1.6 and 5.1.1.9. The used test USIM follows TS 34.108 clause 8.3.2.2. This is applied to the test cases:

6.1.2.1a, 6.1.2.10a, 8.1.2.10a, 8.2.1.24a, 8.2.1.34a, 8.2.6.37b, 8.3.1.1a, 8.3.2.1a, 8.4.1.2B, 8.4.1.24A, 8.4.1.25A.

## I.2.2 FDD Band XII, XIX, XX, XXI

A test case requires more than three radio frequencies shall avoid to execute on FDD Band XII. A list is given below.

6.1.1.4, 6.1.1.8, 6.1.1.9, 6.1.1.10, 6.1.1.12, 6.1.1.13, 6.1.1.15, 9.4.5.4.1.

## I.2.3 FDD Band XXXII

FDD Band XXXII is only applicable as a downlink only secondary band in dual band test cases:

DB-DC-HSDPA or

DB-DF-3C or

DB-DF-4C.

# I.3 Void

# I.4 Void

Annex J (informative):  
Change history

| Meet-ing | TSG doc | | CR | Rev | Subject | Cat | Old vers | New vers | WG doc |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TP-18 | TP-020301 | |  |  | Approval of the specification |  | 2.0.0 | 3.0.0 |  |
| TP-24 | | - |  |  | One correction performed in the NAS ATS part (the other ATS parts remain in v.3.6.0) |  | 3.6.0 | 3.6.1 | - |
| TP-20 | | - | - | - | Regeneration of RRC and RLC ATS |  | 3.2.0 | 3.2.1 | - |
| TP-21 | | TP-030199 | - | - | Add new approved TTCN test cases in test case list in Annex A | F | 3.2.1 | 3.3.0 | - |
| TP-23 | | TP-040044 | - | - | Updating Annex A | F | 3.4.0 | 3.5.0 | - |
| TP-23 | | - | - |  | Editorial clean-up by ETSI |  | 3.5.0 | 3.5.1 | - |
| TP-23 | | - | - |  | Sections 8.3.28 - 8.3.31 were misplaced |  | 3.5.1 | 3.5.2 | - |
| TP-19 | | TP-030051 | 001 | - | Change to test case 9.2.3 required for approval | F | 3.0.0 | 3.1.0 | T1-030120 |
| TP-19 | | TP-030051 | 002 | - | Change to test case 9.2.4 required for approval | F | 3.0.0 | 3.1.0 | T1-030121 |
| TP-19 | | TP-030051 | 003 | - | Change to test case 10.1.3.4.1 required for approval | F | 3.0.0 | 3.1.0 | T1-030122 |
| TP-19 | | TP-030051 | 004 | - | Inclusion of RLC test case 7.2.2.3 to RLC ATS V3.0.0 | F | 3.0.0 | 3.1.0 | T1-030123 |
| TP-19 | | TP-030051 | 005 | - | Inclusion of RLC test case 7.2.2.4 to RLC ATS V3.0.0 | F | 3.0.0 | 3.1.0 | T1-030124 |
| TP-19 | | TP-030051 | 006 | - | Inclusion of RLC test case 7.2.2.7 to RLC ATS V3.0.0 | F | 3.0.0 | 3.1.0 | T1-030125 |
| TP-19 | | TP-030051 | 007 | - | Inclusion of RLC test case 7.2.3.4 to RLC ATS V3.0.0 | F | 3.0.0 | 3.1.0 | T1-030126 |
| TP-19 | | TP-030051 | 008 | - | Inclusion of RLC test case 7.2.3.5 to RLC ATS V3.0.0 | F | 3.0.0 | 3.1.0 | T1-030127 |
| TP-19 | | TP-030051 | 009 | - | Changes to TS34.123-3 V200 to introduce TC\_8\_1\_1\_4 | F | 3.0.0 | 3.1.0 | T1-030128 |
| TP-19 | | TP-030051 | 010 | - | TTCN changes to the approved test cases in V300 | F | 3.0.0 | 3.1.0 | T1-030129 |
| TP-19 | | TP-030051 | 011 | 1 | CR 34.123-3, V300 as T1S030009rev1 | F | 3.0.0 | 3.1.0 | T1-030260 |
| TP-19 | | TP-030051 | 012 | - | Indroducing Test Case 8.1.2.7 | F | 3.0.0 | 3.1.0 | T1-030245 |
| TP-19 | | TP-030051 | 013 | - | Introduction of Test Case 8.2.1.1 | F | 3.0.0 | 3.1.0 | T1-030246 |
| TP-19 | | TP-030051 | 014 | - | Introduction of Test Case 8.2.3.1 | F | 3.0.0 | 3.1.0 | T1-030247 |
| TP-19 | | TP-030051 | 015 | - | Addition of RRC test case 8.1.9 to RRC ATS V3.0.0  NOTE: There was a missing TTCN fix in TP‑030051. In the TTCN line 6 of TC\_8\_1\_2\_1, replace +ts\_SendDefSysInfo( tsc\_CellA) with +ts\_SendSysInfoWithSpecialSIB11( tsc\_CellA, tcv\_SIB11IntraFreqRepQuantiyRACH). Otherwise, a good UE would be failed at the regression test. | F | 3.0.0 | 3.1.0 | T1-030248 |
| TP-20 | | TP-030104 | 016 | - | Test Case 7.1.1.2 | F | 3.1.0 | 3.2.0 | T1-030397 |
| TP-20 | | TP-030104 | 017 | - | Test Case 7.1.1.8 | F | 3.1.0 | 3.2.0 | T1-030399 |
| TP-20 | | TP-030104 | 018 | - | Test Case 8.1.1.2 | F | 3.1.0 | 3.2.0 | T1-030401 |
| TP-20 | | TP-030104 | 019 | - | Test Case 8.1.1.3 | F | 3.1.0 | 3.2.0 | T1-030403 |
| TP-20 | | TP-030104 | 020 | - | Test Case 8.1.1.8 | F | 3.1.0 | 3.2.0 | T1-030411 |
| TP-20 | | TP-030104 | 021 | - | Test Case 8.2.1.8 | F | 3.1.0 | 3.2.0 | T1-030413 |
| TP-20 | | TP-030104 | 022 | - | Test Case 8.2.1.10 | F | 3.1.0 | 3.2.0 | T1-030415 |
| TP-20 | | TP-030104 | 023 | - | Test Case 8.1.5.1 | F | 3.1.0 | 3.2.0 | T1-030425 |
| TP-20 | | TP-030104 | 024 | - | Test Case 8.1.5.4 | F | 3.1.0 | 3.2.0 | T1-030427 |
| TP-20 | | TP-030104 | 025 | - | Test Case 8.2.3.7 | F | 3.1.0 | 3.2.0 | T1-030429 |
| TP-20 | | TP-030104 | 026 | - | Addition of RLC test case 7.2.3.6 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030438 |
| TP-20 | | TP-030104 | 027 | - | Addition of RLC test case 7.2.3.25 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030440 |
| TP-20 | | TP-030104 | 028 | - | Addition of RLC test case 7.2.3.14 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030442 |
| TP-20 | | TP-030104 | 029 | - | Addition of RLC test case 7.2.3.15 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030444 |
| TP-20 | | TP-030104 | 030 | - | Addition of RLC test case 7.2.3.16 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030446 |
| TP-20 | | TP-030104 | 031 | - | Addition of RLC test case 7.2.3.33 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030448 |
| TP-20 | | TP-030104 | 032 | - | Addition of NAS test case 10.1.2.5.1 to NAS ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030450 |
| TP-20 | | TP-030104 | 033 | - | 7.1.1.1 | B | 3.1.0 | 3.2.0 | T1-030452 |
| TP-20 | | TP-030104 | 034 | - | 7.1.1.3 | B | 3.1.0 | 3.2.0 | T1-030454 |
| TP-20 | | TP-030104 | 035 | - | 7.1.1.4 | B | 3.1.0 | 3.2.0 | T1-030456 |
| TP-20 | | TP-030104 | 036 | - | Introduction of Test Case 7.1.1.5 | B | 3.1.0 | 3.2.0 | T1-030458 |
| TP-20 | | TP-030104 | 037 | - | Test Case 8.2.3.15 | F | 3.1.0 | 3.2.0 | T1-030464 |
| TP-20 | | TP-030104 | 038 | - | Test Case 8.2.3.18 | F | 3.1.0 | 3.2.0 | T1-030466 |
| TP-20 | | TP-030104 | 039 | - | Test Case 8.2.3.19 | F | 3.1.0 | 3.2.0 | T1-030468 |
| TP-20 | | TP-030104 | 040 | - | Test Case 12.3.1.2 | F | 3.1.0 | 3.2.0 | T1-030474 |
| TP-20 | | TP-030104 | 041 | - | Test Case 8.3.3.1 | F | 3.1.0 | 3.2.0 | T1-030479 |
| TP-20 | | TP-030104 | 042 | - | Addition of RLC test case 7.2.3.13 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030484 |
| TP-20 | | TP-030104 | 043 | - | Addition of RLC test case 7.2.3.18 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030486 |
| TP-20 | | TP-030104 | 044 | - | Addition of RLC test case 7.2.2.5 to RLC ATS V3.0.0 | B | 3.1.0 | 3.2.0 | T1-030490 |
| TP-20 | | TP-030104 | 045 | - | Addition of RLC test case 7.2.2.6 to RLC ATS V3.0.0 | B | 3.1.0 | 3.2.0 | T1-030492 |
| TP-20 | | TP-030104 | 046 | - | Addition of RLC test case 7.2.3.17 to RLC ATS V3.0.0 | B | 3.1.0 | 3.2.0 | T1-030495 |
| TP-20 | | TP-030104 | 047 | - | Addition of RLC test case 7.2.3.20 to RLC ATS V3.0.0 | B | 3.1.0 | 3.2.0 | T1-030496 |
| TP-20 | | TP-030104 | 048 | - | Addition of RLC test case 7.2.3.34 to RLC ATS V3.0.0 | B | 3.1.0 | 3.2.0 | T1-030498 |
| TP-20 | | TP-030104 | 049 | - | Addition of SM test case 11.1.1.1 to NAS ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030500 |
| TP-20 | | TP-030104 | 050 | - | Addition of RLC test case 7.2.3.23 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030535 |
| TP-20 | | TP-030104 | 051 | - | Addition of RLC test case 7.2.3.24 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030537 |
| TP-20 | | TP-030104 | 052 | - | Addition of RLC test case 7.2.3.26 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030539 |
| TP-20 | | TP-030104 | 053 | - | Addition of RLC test case 7.2.3.27 to RLC ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030541 |
| TP-20 | | TP-030104 | 054 | - | Addition of SM test case 11.3.1 to NAS ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030576 |
| TP-20 | | TP-030104 | 055 | - | Addition of SM test case 11.3.2 to NAS ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030577 |
| TP-20 | | TP-030104 | 056 | - | Addition of GMM test case 12.3.1.5 to NAS ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030578 |
| TP-20 | | TP-030104 | 057 | - | Addition of GMM test case 12.7 to NAS ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030580 |
| TP-20 | | TP-030104 | 058 | - | Test Case 8.2.1.9 | F | 3.1.0 | 3.2.0 | T1-030594 |
| TP-20 | | TP-030104 | 059 | - | Test Case 8.2.3.8 | F | 3.1.0 | 3.2.0 | T1-030596 |
| TP-20 | | TP-030104 | 060 | - | Test Case 12.3.1.1 | F | 3.1.0 | 3.2.0 | T1-030614 |
| TP-20 | | TP-030104 | 062 | - | Test Case 12.9.2 | F | 3.1.0 | 3.2.0 | T1-030626 |
| TP-20 | | TP-030104 | 063 | - | Addition of GMM test case 12.3.2.1 to NAS ATS V3.1.0 | B | 3.1.0 | 3.2.0 | T1-030638 |
| TP-20 | | TP-030104 | 064 | - | CR for correction of generic test step in RLC ATS V3.1.0 | F | 3.1.0 | 3.2.0 | T1-030654 |
| TP-20 | | TP-030104 | 065 | - | ASP Enhancement | F | 3.1.0 | 3.2.0 | T1-030665 |
| TP-20 | | TP-030104 | 066 | - | Test Case 8.1.2.2 | F | 3.1.0 | 3.2.0 | T1-030395 |
| TP-20 | | TP-030104 | 067 | - | Test Case 8.1.2.9 | F | 3.1.0 | 3.2.0 | T1-030396 |
| TP-20 | | TP-030110 | 068 | - | Add new approved test cases in test case list in Annex A | F | 3.1.0 | 3.2.0 | -- |
| TP-20 | | TP-030141 | 069 | - | Test Case 8.1.3.3 | F | 3.1.0 | 3.2.0 | T1-030460 |
| TP-21 | | TP-030194 | 070 | - | Corrections to Package 1 test cases in RRC ATS v3.2.1 for PS mode | F | 3.2.1 | 3.3.0 | T1-031054 |
| TP-21 | | TP-030194 | 071 | - | Corrections to Package 1 test cases in RRC ATS v3.2.1 for Integrity | F | 3.2.1 | 3.3.0 | T1-031055 |
| TP-21 | | TP-030194 | 072 | - | Corrections to Package 1 test cases in RRC ATS v3.2.1 for configuration of Radio Bearer -3 | F | 3.2.1 | 3.3.0 | T1-031140 |
| TP-21 | | TP-030194 | 073 | - | CR to 34.123-3 R99, Moving baseline from March 02 to March 03 and error corrections | F | 3.2.1 | 3.3.0 | T1-031242 |
| TP-21 | | TP-030194 | 074 | - | CR to 34.123-3, R99, Update and remove unnecessary PIXIT parameters, so they are aligned with the 3GPP conformance TTCN | F | 3.2.1 | 3.3.0 | T1-031278 |
| TP-21 | | TP-030194 | 079 | - | Changes to TS34.123-3 V310 to introduce TC\_8\_1\_1\_5 | F | 3.1.0 | 3.3.0 | T1-030405 |
| TP-21 | | TP-030194 | 080 | - | Changes to TS34.123-3 V310 to introduce TC\_8\_1\_1\_6 | F | 3.1.0 | 3.3.0 | T1-030407 |
| TP-21 | | TP-030194 | 084 | - | Changes to TS34.123-3 V310 to introduce TC\_12\_2\_1\_1 | F | 3.1.0 | 3.3.0 | T1-030423 |
| TP-21 | | TP-030194 | 119 | - | Changes to TS34.123-3 V310 to introduce TC\_8\_3\_4\_1 | F | 3.1.0 | 3.3.0 | T1-030602 |
| TP-21 | | TP-030194 | 120 | - | Changes to TS34.123-3 V310 to introduce TC\_8\_3\_4\_2 | F | 3.1.0 | 3.3.0 | T1-030604 |
| TP-21 | | TP-030194 | 121 | - | Changes to TS34.123-3 V310 to introduce TC\_8\_3\_4\_3 | F | 3.1.0 | 3.3.0 | T1-030606 |
| TP-21 | | TP-030194 | 122 | - | Changes to TS34.123-3 V310 to introduce TC\_8\_4\_1\_1 | F | 3.1.0 | 3.3.0 | T1-030608 |
| TP-21 | | TP-030194 | 124 | - | Changes to TS34.123-3 V310 to introduce TC\_12\_9\_1 | F | 3.1.0 | 3.3.0 | T1-030624 |
| TP-21 | | TP-030194 | 127 | - | CR to 34.123-3 V310 to introduce test case 7.2.3.19 | B | 3.1.0 | 3.3.0 | T1-030657 |
| TP-21 | | TP-030194 | 128 | - | CR to 34.123-3 V320 to introduce test case 14.2.13.1 | B | 3.2.0 | 3.3.0 | T1-030877 |
| TP-21 | | TP-030194 | 129 | - | CR to 34.123-3 V320 to introduce test case 7.2.2.2 | B | 3.2.0 | 3.3.0 | T1-030879 |
| TP-21 | | TP-030194 | 130 | - | CR to 34.123-3 V320 to introduce test case 7.2.3.2 | B | 3.2.0 | 3.3.0 | T1-030881 |
| TP-21 | | TP-030194 | 131 | - | Changes to TS34.123-3 V320 to introduce TC\_8\_2\_3\_9 | B | 3.2.0 | 3.3.0 | T1-030896 |
| TP-21 | | TP-030194 | 132 | - | Changes to TS34.123-3 V320 to introduce TC\_7\_2\_3\_21 | F | 3.2.0 | 3.3.0 | T1-030897 |
| TP-21 | | TP-030194 | 133 | - | Changes to TS34.123-3 V320 to introduce TC\_7\_2\_3\_22 | F | 3.2.0 | 3.3.0 | T1-030898 |
| TP-21 | | TP-030194 | 134 | - | CR to 34.123-3 V320 to introduce test case TC\_8\_2\_6\_20 | F | 3.2.1 | 3.3.0 | T1-030928 |
| TP-21 | | TP-030194 | 135 | - | CR to 34.123-3 V320 to introduce test case TC\_9.2.1 | B | 3.2.1 | 3.3.0 | T1-031016 |
| TP-21 | | TP-030194 | 136 | - | CR to 34.123-3 V320 to introduce test case TC\_9.3.1 | B | 3.2.1 | 3.3.0 | T1-031018 |
| TP-21 | | TP-030194 | 137 | - | CR to 34.123-3 V320 to introduce test case TC\_9\_4\_5\_2 | B | 3.2.1 | 3.3.0 | T1-031020 |
| TP-21 | | TP-030194 | 138 | - | CR to 34.123-3 V320 to introduce test case TC\_9.5.2 | B | 3.2.1 | 3.3.0 | T1-031022 |
| TP-21 | | TP-030194 | 139 | - | Changes to TS34.123-3 V321 to introduce TC\_8\_1\_1\_7 | F | 3.2.1 | 3.3.0 | T1-031141 |
| TP-21 | | TP-030208 | 140 | - | Addition of RRC test case 8.2.2.1 to 34.123-3 | F | 3.2.1 | 3.3.0 | T1-031280 |
| TP-21 | | TP-030208 | 141 | - | Addition of RRC test case 8.2.2.11 to 34.123-3 | F | 3.2.1 | 3.3.0 | T1-031281 |
| TP-21 | | TP-030208 | 142 | - | Addition of RRC test case 8.2.6.1 to 34.123-3 | F | 3.2.1 | 3.3.0 | T1-031282 |
| TP-22 | | TP-030284 | 142 | 2 | ASP changes and MMI string corrections | F | 3.3.0 | 3.4.0 | T1-031707 |
| TP-21 | | TP-030208 | 143 | - | Addition of RRC test case 8.2.2.17 to 34.123-3 | F | 3.2.1 | 3.3.0 | T1-031283 |
| TP-21 | | TP-030208 | 144 | - | Addition of RRC test case 8.2.4.10 to 34.123-3 | F | 3.2.1 | 3.3.0 | T1-031284 |
| TP-21 | | TP-030208 | 145 | - | Addition of RRC test case 8.2.6.7 to 34.123-3 | F | 3.2.1 | 3.3.0 | T1-031285 |
| TP-21 | | TP-030208 | 146 | - | Addition of RRC test case 8.2.2.8 to 34.123-3 | F | 3.2.1 | 3.3.0 | T1-031286 |
| TP-21 | | TP-030208 | 147 | - | Addition of RRC test case 8.2.2.10 to 34.123-3 | F | 3.2.1 | 3.3.0 | T1-031287 |
| TP-21 | | TP-030208 | 148 | - | Test case 12.5 | F | 3.2.1 | 3.3.0 | T1-031288 |
| TP-21 | | TP-030209 | 149 | - | CR to 34.123-3 V321 to introduce test case TC\_8\_2\_2\_23 | F | 3.2.1 | 3.3.0 | T1-031289 |
| TP-23 | | TP-040042 | 151 | - | GERAN ASP changes | F | 3.4.0 | 3.5.0 | T1-040412 |
| TP-23 | | TP-040043 | 152 |  | Addition of NAS test case 9.1 to NAS ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031755 |
| TP-23 | | TP-040043 | 153 |  | Addition of NAS test case 9.2.2 to NAS ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031757 |
| TP-23 | | TP-040043 | 154 |  | Addition of NAS test case 9.4.1 to NAS ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031759 |
| TP-23 | | TP-040043 | 155 |  | Addition of NAS test case 9.4.2.1 to NAS ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031761 |
| TP-21 | | TP-030209 | 156 | - | CR to 34.123-3 V321 to introduce test case TC\_8\_2\_6\_19 | F | 3.2.1 | 3.3.0 | T1-031296 |
| TP-23 | | TP-040043 | 156 |  | Addition of NAS test case 9.4.2.4.1 to NAS ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031763 |
| TP-21 | | TP-030209 | 157 | - | CR to 34.123-3 V321 to introduce test case TC\_8\_2\_2\_7 | F | 3.2.1 | 3.3.0 | T1-031297 |
| TP-23 | | TP-040043 | 157 |  | Addition of NAS test case 9.4.4 to NAS ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031765 |
| TP-21 | | TP-030209 | 158 | - | CR to 34.123-3 V321 to introduce test case TC\_8\_2\_2\_9 | F | 3.2.1 | 3.3.0 | T1-031298 |
| TP-23 | | TP-040043 | 158 |  | Addition of NAS test case 9.4.5.3 to NAS ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031767 |
| TP-21 | | TP-030209 | 159 | - | CR to 34.123-3 V321 to introduce test case TC\_8\_3\_1\_11 | F | 3.2.1 | 3.3.0 | T1-031299 |
| TP-23 | | TP-040043 | 159 |  | Addition of RRC test case 8.3.7.1 to RRC ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031771 |
| TP-21 | | TP-030209 | 160 | - | CR to 34.123-3 V321 to introduce test case TC\_8\_2\_6\_8 | F | 3.2.1 | 3.3.0 | T1-031300 |
| TP-23 | | TP-040043 | 160 |  | Addition of RRC test case 8.3.7.2 to RRC ATS V3.4.0 | F | 3.4.0 | 3.5.0 | T1-031918 |
| TP-21 | | TP-030209 | 161 | - | CR to 34.123-3 V321 to introduce test case TC\_8\_4\_1\_16 | F | 3.2.1 | 3.3.0 | T1-031301 |
| TP-23 | | TP-040043 | 161 |  | Addition of RRC test case 8.3.7.4 to RRC ATS V3.4.0 | F | 3.4.0 | 3.5.0 | T1-031772 |
| TP-23 | | TP-040043 | 162 |  | Addition of NAS test case 12.2.1.7 to NAS ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040029 |
| TP-23 | | TP-040043 | 163 |  | Addition of RAB test case 14.2.27 to RAB ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040033 |
| TP-23 | | TP-040043 | 164 |  | Introducing test case 12\_6\_1\_1 to NASv330 | B | 3.4.0 | 3.5.0 | T1-031745 |
| TP-23 | | TP-040043 | 165 |  | Introducing test case 8.2.4.3 to RRCv330 | F | 3.4.0 | 3.5.0 | T1-031747 |
| TP-23 | | TP-040043 | 166 |  | Introducing test case 8.2.4.4 to RRCv330 | F | 3.3.0 | 3.5.0 | T1-031749 |
| TP-23 | | TP-040043 | 167 |  | Introduction of Package 2 test case 8.3.1.21 | F | 3.4.0 | 3.5.0 | T1s040049 |
| TP-23 | | TP-040043 | 168 |  | Addition of NAS test case 9.4.2.2.1 to NAS ATS V3.4.0 | B | 3.3.0 |  | T1s040025 |
| TP-23 | | TP-040043 | 169 |  | Addition of NAS test case 9.4.2.2.2 to NAS ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040027 |
| TP-23 | | TP-040043 | 170 |  | Addition of NAS test case 9.4.9 to NAS ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040014 |
| TP-23 | | TP-040043 | 171 |  | Addition of RAB test case 14.2.26 to RAB ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040002 |
| TP-23 | | TP-040043 | 171 |  | Addition of NAS test case 9.4.2.5 to NAS ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040082 |
| TP-23 | | TP-040043 | 172 |  | Addition of RAB test case 14.2.4 to TS 34.123-3, V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040004 |
| TP-23 | | TP-040043 | 172 |  | Correction to RRC Package 1 TC 8.2.1.8 and 8.2.1.9  for the mismatch between Radio Bearer setup and  PDP context Activation Accept message | B | 3.4.0 | 3.5.0 | T1s040071 |
| TP-23 | | TP-040043 | 173 |  | Incorrect timer poll value used for SS RLC transmit entity in tcs 8.2.1.8, 8.2.1.9 (Revision of T1-031782) | F | 3.3.0 | 3.5.0 | T1-031842 |
| TP-23 | | TP-040043 | 174 |  | Correction of Poll bit checking in tc 7.2.3.13 (Revision of T1-031839) | F | 3.3.0 | 3.5.0 | T1-031921 |
| TP-23 | | TP-040043 | 175 |  | Modification to Radio Bearer Release message in tc 8.2.3.18 and 8.2.3.19 | F | 3.3.0 | 3.5.0 | T1-031924 |
| TP-23 | | TP-040043 | 176 |  | Maximum allowed UL TX power should not be present in tcs 8.2.2.8, 8.2.2.9 and 8.2.2.23 | F | 3.3.0 | 3.5.0 | T1-031925 |
| TP-23 | | TP-040043 | 177 |  | New C-RNTI should not be present in tc 8.2.6.20 | F | 3.3.0 | 3.5.0 | T1-031787 |
| TP-23 | | TP-040043 | 178 |  | Unnecessary waiting time for reconfiguration in tc 8.2.2.23 | F | 3.3.0 | 3.5.0 | T1-031788 |
| TP-23 | | TP-040043 | 179 |  | Modification to validate TI flag and TI value in TCs 11.3.1 and 11.3.2 | F | 3.3.0 | 3.5.0 | T1-031795 |
| TP-23 | | TP-040043 | 180 |  | Change U-RNTI and remove UTRAN DRX cycle length coefficient tc 8.3.3.1 | F | 3.3.0 | 3.5.0 | T1-031841 |
| TP-23 | | TP-040043 | 181 |  | Corrections of Status PDU checking in tc 7.2.3.34 | F | 3.3.0 | 3.5.0 | T1-031786 |
| TP-23 | | TP-040043 | 182 |  | Correction of number of negatively acknowledged PDUs in tc 7.2.3.16 | F | 3.3.0 | 3.5.0 | T1-031789 |
| TP-23 | | TP-040043 | 183 |  | Correction of sequence number checking and Verdict assessments in tc 7.2.3.17 | F | 3.3.0 | 3.5.0 | T1-031790 |
| TP-23 | | TP-040043 | 184 |  | Introducing test case 8.3.1.1 to RRCv340 | F | 3.3.0 | 3.5.0 | T1-031733 |
| TP-23 | | TP-040043 | 184 |  | Poll Bit and Status PDU content checking in tc 7.2.3.14 | F | 3.3.0 | 3.5.0 | T1-031791 |
| TP-23 | | TP-040043 | 185 |  | Additional verdicts assigned in tc 7.2.3.20 | F | 3.3.0 | 3.5.0 | T1-031792 |
| TP-23 | | TP-040043 | 186 |  | SERVICE ACCEPT message NOT to be sent to UE in GMM idle state in tc 11.3.1 and 11.3.2 | F | 3.3.0 | 3.5.0 | T1-031794 |
| TP-23 | | TP-040043 | 187 |  | Change to performing integrity protection in tc 12.2.1.1 | F | 3.3.0 | 3.5.0 | T1-031778 |
| TP-23 | | TP-040043 | 188 |  | Correction of Poll bit checking in tc 7.2.3.18 | F | 3.3.0 | 3.5.0 | T1-031781 |
| TP-23 | | TP-040019 | 189 |  | Addition of RAB test case 14.2.29 to RAB ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040199 |
| TP-23 | | TP-040019 | 190 |  | Addition of RAB test case 14.2.31.1 to RAB ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040198 |
| TP-23 | | TP-040019 | 191 |  | Addition of RAB test case 14.2.32.1 to RAB ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040197 |
| TP-23 | | TP-040043 | 192 |  | Introducing test case 8.3.1.22 to RRCv340 | F | 3.3.0 | 3.5.0 | T1-031797 |
| TP-23 | | TP-040019 | 193 |  | Addition of RAB test case 14.4.3 to RAB ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1s040196 |
| TP-23 | | TP-040043 | 195 |  | Introducing test case 8.2.2.18 to RRCv340 | F | 3.4.0 | 3.5.0 | T1-031932 |
| TP-23 | | TP-040043 | 205 |  | Addition of RRC test case 8.3.2.1 to RRC ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1-031823 |
| TP-23 | | TP-040043 | 206 |  | Addition of RRC test case 8.3.2.4 to RRC ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031825 |
| TP-23 | | TP-040043 | 207 |  | Addition of RRC test case 8.3.2.7 to RRC ATS V3.4.0 | F | 3.4.0 | 3.5.0 | T1-031827 |
| TP-23 | | TP-040043 | 210 |  | Addition of NAS test case 12.2.2.1 to NAS ATS V3.4.0 | F | 3.4.0 | 3.5.0 | T1-031936 |
| TP-23 | | TP-040043 | 211 |  | Addition of NAS test case 12.4.3.1 to NAS ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1-031937 |
| TP-23 | | TP-040043 | 216 |  | Revised CR for Changes to Introducing test case 8.2.6.9 required for approvalto RRCv340 | F | 3.4.0 | 3.5.0 | T1s040088 |
| TP-23 | | TP-040043 | 220 |  | Addition of RRC test case 8.4.1.17 to RRC ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1-031940 |
| TP-23 | | TP-040043 | 221 |  | Addition of RRC test case 8.2.2.19 to RRC ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1-031939 |
| TP-23 | | TP-040043 | 222 |  | Addition of NAS test case 12.2.1.3 to NAS ATS V3.4.0 | B | 3.4.0 | 3.5.0 | T1-031938 |
| TP-23 | | TP-040043 | 224 |  | Addition of RRC test case 8.3.1.31 to RRC ATS V3.4.0 | B | 3.3.0 | 3.5.0 | T1-031909 |
| TP-23 | | TP-040043 | 226 |  | Validation of TMSI status in ATTACH REQUEST message for tc 12.3.1.5 | F | 3.4.0 | 3.5.0 | T1-031913 |
| TP-23 | | TP-040043 | 227 |  | Validation of optional old PTMSI signature in ATTACH REQUEST message for tc 12.2.1.1 | F | 3.3.0 | 3.5.0 | T1-031914 |
| TP-23 | | TP-040043 | 230 |  | Validation of CS CKSN in paging response in tc 9.2.1 | F | 3.3.0 | 3.5.0 | T1-031922 |
| TP-23 | | TP-040043 | 232 |  | To add verified GCF package 1 RRC test case 8.3.1.3 to the approved RRC ATS V3.4.0 |  | 3.4.0 | 3.5.0 | T1-031926 |
| TP-23 | | TP-040043 | 233 |  | Introducing test case 8.3.1.4 to RRCv340 | F | 3.4.0 | 3.5.0 | T1s040087 |
| TP-24 | | TP-040117 | 233 |  | Clarification of Section 8.5.1 Authentication: Explicitly stating that Authentication after IDT is an optional/dependent procedure. | F | 3.5.2 | 3.6.0 | T1-040761 |
| TP-23 | | TP-040043 | 234 |  | Introducing test case 12\_4\_2\_1 to NASv340 | F | 3.4.0 | 3.5.0 | T1-031930 |
| TP-24 | | TP-040117 | 234 |  | GERAN generic procedures and TTCN encoding rules for CSN.1 specific encoding | F | 3.5.2 | 3.6.0 | T1-040940 |
| TP-22 | | TP-030285 | 251 | - | Updating Annex A | F | 3.3.0 | 3.4.0 | - |
| TP-22 | | TP-030284 | 252 | - | Security ASP changes | F | 3.3.0 | 3.4.0 | T1-031732 |
| TP-24 | | TP-040118 | 255 |  | Addition of MAC test case 7.1.3.1 to MAC ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040295 |
| TP-24 | | TP-040118 | 256 |  | Addition of RAB test case 14.2.49.1 to RAB ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040254 |
| TP-24 | | TP-040118 | 257 |  | Addition of GCF P1 test case 8.4.1.2 to RRC ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040252 |
| TP-24 | | TP-040118 | 258 |  | Revised CR for P3 NAS test case 13.2.2.1 to NAS ATS V3.5.1 (revision of T1-040239 | B | 3.5.1 | 3.6.0 | T1s040330 |
| TP-24 | | TP-040118 | 259 |  | Revised CR for P3 NAS test case 13.2.2.2 to NAS ATS V3.5.1 (revision of T1-040241) | B | 3.5.1 | 3.6.0 | T1s040331 |
| TP-24 | | TP-040118 | 260 |  | Addition of GCF P3 test case 8.4.1.31 to RRC ATS v3.5.1 | B | 3.5.1 | 3.6.0 | T1s040285 |
| TP-24 | | TP-040118 | 261 |  | Revised CR for addition of GCF P2 test case 12.4.2.2 to NAS ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040283 |
| TP-24 | | TP-040118 | 262 |  | Addition of RRC test case 8.3.2.11 to RRC ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040262 |
| TP-24 | | TP-040118 | 263 |  | Addition of RRC test case 8.4.1.30 to RRC ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040260 |
| TP-24 | | TP-040118 | 264 |  | Addition of RRC test case 8.4.1.29 to RRC ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040258 |
| TP-24 | | TP-040118 | 265 |  | Addition of RAB test case 14.2.7a to RAB ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040249 |
| TP-24 | | TP-040118 | 266 |  | Addition of RAB test case 14.2.5a to RAB ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040247 |
| TP-24 | | TP-040118 | 267 |  | Addition of RAB test case 14.2.4a to RAB ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040245 |
| TP-24 | | TP-040118 | 268 |  | Addition of GCF P1 test case 12.4.1.1a to NAS ATS V3.5.1 | B | 3.5.1 | 3.6.0 | T1s040266 |
| TP-24 | | TP-040118 | 269 |  | Test Case 13.2.1.1 | B | 3.5.1 | 3.6.0 | T1s040237 |
| TP-24 | | TP-040118 | 270 |  | Addition of GCF P3 test case 10.1.2.6.6 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040234 |
| TP-24 | | TP-040118 | 271 |  | Addition of GCF P3 test case 10.1.2.7.2 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040233 |
| TP-24 | | TP-040118 | 272 |  | Addition of GCF P3 test case 10.1.2.5.5 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040231 |
| TP-24 | | TP-040118 | 273 |  | Addition of GCF P3 test case 10.1.2.6.2 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040232 |
| TP-24 | | TP-040118 | 274 |  | Addition of GCF P3 test case 10.1.2.4.10 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040230 |
| TP-24 | | TP-040118 | 275 |  | Addition of GCF P3 test case 10.1.2.3.3 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040229 |
| TP-24 | | TP-040118 | 276 |  | Addition of NAS test case 8.3.1.2 to RRC ATS V3.4.0 (revision of T1-031735) | B | 3.4.0 | 3.6.0 | T1s040226 |
| TP-24 | | TP-040118 | 277 |  | Addition of NAS test case 8.3.1.5 to RRC ATS V3.4.0 (revision of T1-031807) | B | 3.4.0 | 3.6.0 | T1s040227 |
| TP-24 | | TP-040118 | 278 |  | Addition of NAS test case 8.3.1.6 to RRC ATS V3.4.0 (revision of T1-031809) | B | 3.4.0 | 3.6.0 | T1s040228 |
| TP-24 | | TP-040118 | 279 |  | Addition of GCF P3 test case 14.2.12 to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040225 |
| TP-24 | | TP-040118 | 280 |  | Addition of NAS test case 10.1.3.3.1 to NAS ATS V3.4.0 (Revision of T1s040170) | B | 3.4.0 | 3.6.0 | T1s040222 |
| TP-24 | | TP-040118 | 281 |  | Addition of RRC test case 8.1.10.1 to RRC ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040223 |
| TP-24 | | TP-040118 | 282 |  | Addition of GCF P2 test case 8.4.1.18 to RRC ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040215 |
| TP-24 | | TP-040118 | 283 |  | Addition of GCF P2 test case 8.4.1.19 to RRC ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040216 |
| TP-24 | | TP-040118 | 284 |  | Addition of NAS test case 10.1.3.5.6 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040213 |
| TP-24 | | TP-040118 | 285 |  | Addition of NAS test case 10.1.2.2.2 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040209 |
| TP-24 | | TP-040118 | 286 |  | Addition of RRC test case 8.4.1.26 to RRC ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040207 |
| TP-24 | | TP-040118 | 287 |  | Addition of GCF P1 test case 8.4.1.3 to RRC ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040205 |
| TP-24 | | TP-040118 | 288 |  | Addition of RRC test case 8.3.7.3 to RRC ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1-040084 |
| TP-24 | | TP-040118 | 289 |  | Introducing package 2 test case 8.3.1.10 to RRCv340 (revision of T1-031739) | B | 3.4.0 | 3.6.0 | T1s040204 |
| TP-24 | | TP-040118 | 290 |  | Introducing package 2 test case 8.3.1.9 to RRCv340 (revision of T1-031737) | B | 3.4.0 | 3.6.0 | T1s040203 |
| TP-24 | | TP-040118 | 291 |  | Addition of NAS test case 10.1.2.1.1 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040178 |
| TP-24 | | TP-040118 | 292 |  | Addition of NAS test case 10.1.3.3.2 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040172 |
| TP-24 | | TP-040118 | 293 |  | Addition of NAS test case 10.1.3.3.4 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040174 |
| TP-24 | | TP-040118 | 294 |  | Addition of NAS test case 10.1.2.7.3 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040161 |
| TP-24 | | TP-040118 | 295 |  | Addition of NAS test case 10.1.2.5.2 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040149 |
| TP-24 | | TP-040118 | 296 |  | Addition of RAB test case 14.2.23a.1 to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040065 |
| TP-24 | | TP-040118 | 297 |  | Addition of RAB test case 14.2.23b to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040067 |
| TP-24 | | TP-040118 | 298 |  | Addition of RAB test case 14.2.23c to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040069 |
| TP-24 | | TP-040118 | 299 |  | Addition of RAB test case 14.2.14.1 to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040055 |
| TP-24 | | TP-040118 | 300 |  | Addition of RAB test case 14.2.14.2 to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040057 |
| TP-24 | | TP-040118 | 301 |  | Addition of RAB test case 14.2.15 to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040059 |
| TP-24 | | TP-040118 | 302 |  | Addition of RAB test case 14.2.16 to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040061 |
| TP-24 | | TP-040118 | 303 |  | Addition of RAB test case 14.2.17 to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040063 |
| TP-24 | | TP-040118 | 304 |  | Addition of RAB test case 14.2.13.2 to RAB ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040053 |
| TP-24 | | TP-040118 | 305 |  | Addition of NAS test case 10.1.2.4.9 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040129 |
| TP-24 | | TP-040118 | 306 |  | Addition of NAS test case 10.1.2.4.4 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040121 |
| TP-24 | | TP-040118 | 307 |  | Addition of NAS test case 10.1.2.4.6 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040123 |
| TP-24 | | TP-040118 | 308 |  | Addition of NAS test case 10.1.2.6.3 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040139 |
| TP-24 | | TP-040118 | 309 |  | Addition of NAS test case 10.1.2.4.7 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040099 |
| TP-24 | | TP-040118 | 310 |  | Addition of NAS test case 10.1.2.4.8 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040101 |
| TP-24 | | TP-040118 | 311 |  | Addition of NAS test case 10.1.2.9.1 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040107 |
| TP-24 | | TP-040118 | 312 |  | Addition of NAS test case 10.1.2.3.1 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040091 |
| TP-24 | | TP-040118 | 313 |  | Addition of NAS test case 10.1.2.4.3 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040093 |
| TP-24 | | TP-040118 | 314 |  | Addition of NAS test case 9.4.2.3 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040080 |
| TP-24 | | TP-040118 | 315 |  | Addition of NAS test case 9.4.8 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040023 |
| TP-24 | | TP-040118 | 316 |  | Addition of NAS test case 12.6.1.2 to NAS ATS V3.4.0 | B | 3.4.0 | 3.6.0 | T1s040016 |
| TP-24 | | TP-040119 | 317 |  | Quality of Service (QoS) initialisation when setting up a PS call | F | 3.5.1 | 3.6.0 | T1s040320 |
| TP-24 | | TP-040119 | 318 |  | Correction to RRC Package 2 TC 8.3.1.4 to stop the timer t\_WaitS after receiving expected UTRAN MOBILITY INFORMATION CONFIRM message from UE. | F | 3.5.1 | 3.6.0 | T1s040322 |
| TP-24 | | TP-040119 | 319 |  | Corrections to RRC package 1 and 2 test cases from sections 8.1.x, 8.2.x and 8.3.x to add a delay before SS reconfigures MAC according to the new C-RNTI or U-RNTI assigned to UE. | F | 3.5.1 | 3.6.0 | T1s040323 |
| TP-24 | | TP-040119 | 320 |  | Correction to RRC TC 8.3.1.3 on the contents of CELL UPDATE CONFIRM message | F | 3.5.1 | 3.6.0 | T1s040324 |
| TP-24 | | TP-040119 | 321 |  | Correction to RRC Package 1 TC 8.1.1.2 and 8.1.1.3 to add delay before switching to CELL\_PCH or URA\_PCH | F | 3.5.1 | 3.6.0 | T1s040321 |
| TP-24 | | TP-040119 | 322 |  | Correction to Package 2 GMM test case 12.2.1.3 for supporting USIM removal without power off | F | 3.5.2 | 3.6.0 | T1s040289 |
| TP-24 | | TP-040119 | 323 |  | Correction to Package 3 NAS CC test cases 10\_1\_2\_5\_5, 10\_1\_2\_6\_2 and 10\_1\_2\_7\_2 to validate the current TI value. | F | 3.5.1 | 3.6.0 | T1s040297 |
| TP-24 | | TP-040119 | 324 |  | Correction to Package 3 NAS CC test cases 10.1.2.6.6; introducing PIXIT parameter for UE Call waiting support. | F | 3.5.1 | 3.6.0 | T1s040298 |
| TP-24 | | TP-040119 | 325 |  | Correction to Package 1 SM test case 11.1.1.1 in handling Modify PDP Context procedure. | F | 3.5.1 | 3.6.0 | T1s040299 |
| TP-24 | | TP-040119 | 326 |  | Correction to Radio Bearer setup message for Package 1 RAB test case 14.2.13.1 and package 2 RAB test case 14.2.15. | F | 3.5.1 | 3.6.0 | T1s040300 |
| TP-24 | | TP-040119 | 327 |  | Correction to Package 3 RAB test case 14.2.14.1 Radio Bearer setup in the SS. | F | 3.5.1 | 3.6.0 | T1s040301 |
| TP-24 | | TP-040119 | 328 |  | Correction to RRC TC 8.2.2.18 and 8.2.2.17 on contents of radio bearer reconfiguration message and comments in test steps of TC 8.2.2.18. | F | 3.5.1 | 3.6.0 | T1s040302 |
| TP-24 | | TP-040119 | 329 |  | Correction to RRC Package 2 TC 8.3.1.3 to delete the Radio Bearer BCCH mapped to FACH(RB\_BCCH\_FACH) in the old cell before configuring in the new cell. | F | 3.5.1 | 3.6.0 | T1s040303 |
| TP-24 | | TP-040119 | 330 |  | Correction to Package 3 NAS MM test case 9.4.2.2.2 to disable cell C ATT flag | F | 3.5.1 | 3.6.0 | T1s040304 |
| TP-24 | | TP-040119 | 331 |  | Correction to Package 2 NAS MM test case 9.4.9; introducing postamble to remove PLMN2 from USIM forbidden PLMN list. | F | 3.5.2 | 3.6.0 | T1s040305 |
| TP-24 | | TP-040119 | 332 |  | Modification to RLC 7.2.3.33 TTCN to meet Test Procedure 'f' in Prose 34.123-1-571. | F | 3.5.1 | 3.6.0 | T1s040306 |
| TP-24 | | TP-040119 | 333 |  | Correction to Package 3 NAS CC test case 10.1.2.7.3 for assigning FAIL verdict on receiving unexpected RELEASE message. | F | 3.5.1 | 3.6.0 | T1s040288 |
| TP-24 | | TP-040119 | 334 |  | Correction to RRC TC 8.2.2.10 on contents of radio bearer reconfiguration message. | F | 3.5.1 | 3.6.0 | T1s040291 |
| TP-24 | | TP-040119 | 335 |  | Correction to RRC Package 2 TC 8.4.1.16 and 8.4.1.17 for contents of SIB 11 and Measurement reporting Interval. | F | 3.5.1 | 3.6.0 | T1s040292 |
| TP-24 | | TP-040119 | 336 |  | Correction to common test step "ts\_SS\_2\_FACH\_1\_RACH\_ModifyDCH\_Cfg" of RRC ATS to release unused RLC entity, related to test cases 8.4.1.18 and 8.4.1.19 | F | 3.5.1 | 3.6.0 | T1s040293 |
| TP-24 | | TP-040119 | 337 |  | Correction to Package 1 SM TC 11.1.1.1, 11.3.1 and 11.3.2 to harmonize the timer handling and to account for T1-040514, T1s040243 and T1s040244 concerning RAB release and detaching. | F | 3.5.1 | 3.6.0 | T1s040287 |
| TP-24 | | TP-040119 | 338 |  | Correction to Approved Package 1 TC 11.1.1.1 | F | 3.5.0 | 3.6.0 | T1S040284 |
| TP-24 | | TP-040119 | 339 |  | Correction to package 2 TC 9.1 to handle PS attach and detach. | F | 3.5.2 | 3.6.0 | T1s040282 |
| TP-24 | | TP-040119 | 340 |  | Correction to Approved RRC Package 1 TC 8.4.1.1 | F | 3.5.0 | 3.6.0 | T1s040279 |
| TP-24 | | TP-040119 | 341 |  | Changes to the test step ts\_CC\_InitTCV\_MO | F | 3.5.1 | 3.6.0 | T1s040277 |
| TP-24 | | TP-040119 | 342 |  | Correction to Package 1 GMM test case 12.3.1.2 for P-TMSI signature check at Step 12. | F | 3.5.1 | 3.6.0 | T1s040278 |
| TP-24 | | TP-040119 | 343 |  | Regression error corrections to wk12 and wk15. | F | 3.5.1 | 3.6.0 | T1s040274 |
| TP-24 | | TP-040119 | 344 |  | Correction to Package 2 MM TC 9.4.9 to handle situation when pc\_PS is TRUE also. | F | 3.5.2 | 3.6.0 | T1s040273 |
| TP-24 | | TP-040119 | 345 |  | Correction to GFC P1 RAB test case 14.2.4 | F | 3.5.1 | 3.6.0 | T1s040272 |
| TP-24 | | TP-040119 | 346 |  | Correction to GFC P3 RAB test cases 14.2.26 and 14.2.27 | F | 3.5.1 | 3.6.0 | T1s040251 |
| TP-24 | | TP-040119 | 347 |  | Correction to Approved RRC Package 1 TC 8.3.4.2 and 8.3.4.3 | F | 3.5.0 | 3.6.0 | T1s040235 |
| TP-24 | | TP-040119 | 348 |  | Correction to Approved RRC Package 1 TC 8.3.4.1 | F | 3.5.0 | 3.6.0 | T1s040224 |
| TP-24 | | TP-040119 | 349 |  | Correction to RRC Package 2 TC 8.2.2.7 for radio bearer messages with specified IEs and correction of default PS RAB and SRBs RLC configurations in RRC ATS. (Revision of T1s040165). | F | 3.4.0 | 3.6.0 | T1s040219 |
| TP-24 | | TP-040119 | 350 |  | Correction to NAS Package 1 TC 12.5 for selecting UE operation mode C only when mode A not supported and validating RRC connection establishment cause | F | 3.4.0 | 3.6.0 | T1s040220 |
| TP-24 | | TP-040119 | 351 |  | Correction to RRC Package 1 TC 8.1.2.1 modification to UE system specific capabilities (Revision of T1s040078). | F | 3.4.0 | 3.6.0 | T1s040221 |
| TP-24 | | TP-040119 | 352 |  | Error correction lists to iWD-wk04 and iWD-wk07 | F | 3.4.0 | 3.6.0 | T1s040188 |
| TP-24 | | TP-040119 | 353 |  | TTCN corrections to Generic Setup Procedures | F | 3.4.0 | 3.6.0 | T1s040189 |
| TP-24 | | TP-040119 | 354 |  | General correction to approved GCF P1 (Cell FACH) MAC test cases | F | 3.4.0 | 3.6.0 | T1s040185 |
| TP-24 | | TP-040119 | 355 |  | Correction to RRC Package 1 TC 8.2.1.8 and 8.2.1.9 for the mismatch between Radio Bearer setup and PDP context Activation Request message (Revision of T1s040071). | F | 3.4.0 | 3.6.0 | T1s040163 |
| TP-24 | | TP-040119 | 356 |  | Modification to ATT flag usage in TC 12.3.1.5. (Re-submission of T1-031923 on v3.4.0) | F | 3.4.0 | 3.6.0 | T1s040164 |
| TP-24 | | TP-040119 | 357 |  | Corrections to RRC Package 1 TC 8.1.2.9 to modify timers and RRC Setup Request Constraints | F | 3.4.0 | 3.6.0 | T1s040077 |
| TP-24 | | TP-040119 | 358 |  | Corrections to Package 1 test case tc\_8\_1\_1\_1 | F | 3.4.0 | 3.6.0 | T1s040079 |
| TP-24 | | TP-040123 | 359 |  | Updating Annex A | F | 3.5.2 | 3.6.0 | - |
| TP-25 | | TP-040162 | 359 |  | ASP updating and other corrections | F | 3.6.1 | 3.7.0 | T1-041407 |
| TP-25 | | TP-040149 | 360 | - | Addition of GCF P3 test case 16.1.1 to SMS ATS V3.5.1 | B | 3.5.1 | 3.7.0 | T1s040264 |
| TP-25 | | TP-040149 | 361 | - | Addition of GCF P3 test case 16.1.9.1 to SMS ATS V3.5.1 | B | 3.5.1 | 3.7.0 | T1s040307 |
| TP-25 | | TP-040149 | 362 | - | Addition of GCF P3 test case 16.1.9.2 to SMS ATS V3.5.1 | B | 3.6.1 | 3.7.0 | T1s040309 |
| TP-25 | | TP-040149 | 363 | - | Addition of GCF P3 test case 16.1.10 to SMS ATS V3.5.1 | B | 3.6.1 | 3.7.0 | T1s040311 |
| TP-25 | | TP-040149 | 364 | - | Addition of GCF P3 test case 16.2.1 to SMS ATS V3.6.1 | B | 3.5.1 | 3.7.0 | T1s040313 |
| TP-25 | | TP-040149 | 365 | - | Addition of GCF P3 test case 16.2.2 to SMS ATS V3.5.1 | B | 3.6.1 | 3.7.0 | T1s040315 |
| TP-25 | | TP-040149 | 366 | - | Addition of GCF P3 test case 16.2.10 to SMS ATS V3.5.1 | B | 3.6.0 | 3.7.0 | T1s040317 |
| TP-25 | | TP-040149 | 367 | - | Addition of P2 NAS test case 9.4.2.4 proc 2 to NAS ATS V3.5.1 (revision of T1-040109) | B | 3.6.0 | 3.7.0 | T1s040329 |
| TP-25 | | TP-040149 | 368 | - | Addition of NAS test case 12.4.2.5a.2 to NAS ATS V3.5.1 | B | 3.5.1 | 3.7.0 | T1s040337 |
| TP-25 | | TP-040149 | 369 | - | Revised CR for addition of GCF P3 test case 8.2.4.1a to RRC ATS V3.5.1 | B | 3.5.1 | 3.7.0 | T1s040339 |
| TP-25 | | TP-040149 | 370 | - | Revised CR for Addition of P2 test case 6.2.1.1 to IR\_U ATS v3.5.1 (Revision of T1s040325) | B | 3.6.1 | 3.7.0 | T1s040345 |
| TP-25 | | TP-040149 | 371 | - | Revised CR for Addition of P2 test case 6.2.1.6 to IR\_U ATS v3.5.1 (Revision of T1s040327) | B | 3.5.1 | 3.7.0 | T1s040346 |
| TP-25 | | TP-040149 | 372 | - | Addition of RRC test case 8.4.1.40 to RRC ATS V3.5.1 | B | 3.5.1 | 3.7.0 | T1s040352 |
| TP-25 | | TP-040149 | 373 | - | Addition of RRC Package 3 test case 8.4.1.33 to IR\_U ATS V3.5.1 | B | 3.5.1 | 3.7.0 | T1s040358 |
| TP-25 | | TP-040149 | 374 | - | Revised CR for addition of GCF P3 test case 16.1.2 to SMS ATS V3.5.1 | B | 3.6.1 | 3.7.0 | T1s040360 |
| TP-25 | | TP-040149 | 375 | - | Revised CR for the addition of GCF P3 test case 8.4.1.35 to IR\_U ATS V3.5.1 | B | 3.6.1 | 3.7.0 | T1s040361 |
| TP-25 | | TP-040149 | 376 | - | CR for the addition of GCF P3 test case 8.4.1.36 to IR\_U ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040364 |
| TP-25 | | TP-040149 | 377 | - | Addition of GCF P3 test case 8.3.2.12 to RRC ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040385 |
| TP-25 | | TP-040149 | 378 | - | Addition of RAB Package 3 test case 14.2.57 to RAB ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040387 |
| TP-25 | | TP-040149 | 379 | - | Addition of GCF P3 test case 14.2.58 to RAB ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040395 |
| TP-25 | | TP-040149 | 380 | - | Addition of GCF P1 test cases 8.1.7.1 to RRC ATS v3.6.1 | B | 3.6.1 | 3.7.0 | T1s040398 |
| TP-25 | | TP-040149 | 381 | - | Addition of GCF P1 test case 8.1.7.2 to RRC ATS v3.6.1 | B | 3.5.1 | 3.7.0 | T1s040400 |
| TP-25 | | TP-040149 | 382 | - | Addition of RAB Package 2 test case 14.4.2.1 to RAB ATS V3.6.1 | B | 3.5.1 | 3.7.0 | T1s040430 |
| TP-25 | | TP-040149 | 383 | - | Addition of RAB Package 3 test case 14.2.38a to RAB ATS V3.6.1 | B | 3.5.1 | 3.7.0 | T1s040432 |
| TP-25 | | TP-040149 | 384 | - | Addition of RAB Package 3 test case 14.2.38e to RAB ATS V3.6.1 | B | 3.5.1 | 3.7.0 | T1s040433 |
| TP-25 | | TP-040149 | 385 | - | Addition of RAB Package 2 test case 14.4.2.2 to RAB ATS V3.6.1 | B | 3.5.1 | 3.7.0 | T1s040462 |
| TP-25 | | TP-040149 | 386 | - | Addition of RAB Package 2 test case 14.4.2.3 to RAB ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040464 |
| TP-25 | | TP-040149 | 387 | - | Addition of RAB test case 14.2.51.1 to RAB ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040466 |
| TP-25 | | TP-040149 | 388 | - | Addition of RAB test case 14.2.51a.1 to RAB ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040468 |
| TP-25 | | TP-040149 | 389 | - | Addition of P3 test case 8.4.1.27 to RRC ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040470 |
| TP-25 | | TP-040149 | 390 | - | Revision CR to introduce GCF P3 Test Case 8.4.1.24 to ATS v3.6.0 | B | 3.5.1 | 3.7.0 | T1s040482 |
| TP-25 | | TP-040149 | 391 | - | Revision CR to introduce GCF P3 Test Case 8.4.1.25 to ATS v3.6.0 | B | 3.5.1 | 3.7.0 | T1s040483 |
| TP-25 | | TP-040149 | 392 | - | Addition of NAS test case 9.4.7 to NAS ATS V3.6.0 | B | 3.6.1 | 3.7.0 | T1s040513 |
| TP-25 | | TP-040149 | 393 | - | Addition of GCF P3 test case 8.4.1.34 to IR\_U ATS v3.6.1 | B | 3.6.1 | 3.7.0 | T1s040479 |
| TP-25 | | TP-040148 | 394 | - | TTCN correction to P2 test case 8.1.10.1 | F | 3.5.2 | 3.7.0 | T1s040236 |
| TP-25 | | TP-040148 | 395 | - | Correction to Approved RRC Package 1 TC 8.3.1.1 | F | 3.5.1 | 3.7.0 | T1s040334 |
| TP-25 | | TP-040148 | 396 | - | Correction to Package 2 NAS MM test case 9.4.2.2.1 to validate of LOCATION UPDATE REQUEST message and disable ATT flag. | F | 3.5.1 | 3.7.0 | T1s040335 |
| TP-25 | | TP-040148 | 397 | - | Correction to RRC Package 2 TC 8.4.1.18 and TC 8.4.1.19 for inconsistency in System Information Block 12. | F | 3.5.1 | 3.7.0 | T1s040336 |
| TP-25 | | TP-040148 | 398 | - | Correction to Approved Package 1 RRC TC 8.1.2.2 | F | 3.5.1 | 3.7.0 | T1s040341 |
| TP-25 | | TP-040148 | 399 | - | Corrections to RRC test case 6.2.1.1 | F | 3.5.1 | 3.7.0 | T1s040347 |
| TP-25 | | TP-040148 | 400 | - | Corrections to RRC test case 6.2.1.6 | F | 3.5.1 | 3.7.0 | T1s040349 |
| TP-25 | | TP-040148 | 401 | - | Correction to Approved RRC Package 1 TC 8.3.4.2 | F | 3.5.0 | 3.7.0 | T1s040351 |
| TP-25 | | TP-040148 | 402 | - | Correction to Approved RRC Package 2 TC 8.2.4.3 | F | 3.5.0 | 3.7.0 | T1s040363 |
| TP-25 | | TP-040148 | 403 | - | Correction to Approved RRC Package 1 TC 8.3.4.3 | F | 3.6.0 | 3.7.0 | T1s040366 |
| TP-25 | | TP-040148 | 404 | - | Regression error corrections to wk17, wk20 and wk23. | F | 3.6.1 | 3.7.0 | T1s040367 |
| TP-25 | | TP-040148 | 405 | - | TTCN Correction to GCF P2 IR\_U 8.3.7.1 & 8.3.7.4 | F | 3.6.0 | 3.7.0 | T1s040374 |
| TP-25 | | TP-040148 | 406 | - | Correction to Package 2 NAS CCMM test cases 9.4.8; for removal of 'USIM removal possible while UE is powered' support. | F | 3.6.1 | 3.7.0 | T1s040375 |
| TP-25 | | TP-040148 | 407 | - | Correction to RRC TC 8.3.2.4 on value of the wait timer started for the UE to enter Idle mode. | F | 3.6.1 | 3.7.0 | T1s040376 |
| TP-25 | | TP-040148 | 408 | - | Correction to RRC Package 2 TC 8.2.1.9 to handle cell update before configuring radio bearer from DCH to FACH. | F | 3.6.1 | 3.7.0 | T1s040377 |
| TP-25 | | TP-040148 | 409 | - | Correction to RRC TC 8.2.6.19 and 8.2.6.20 to add delay before switching to CELL\_PCH/URA\_PCH | F | 3.6.1 | 3.7.0 | T1s040378 |
| TP-25 | | TP-040148 | 410 | - | Correction to Package 3 RAB test case 14.2.27, 14.2.29, 14.2.31.1and 14.2.32.1 for the dl\_TxPower in DL DPCH Info during Radio Bearer Setup at the SS. | F | 3.6.1 | 3.7.0 | T1s040383 |
| TP-25 | | TP-040148 | 411 | - | Correction to Package 2 RAB test case 14.4.3 | F | 3.6.1 | 3.7.0 | T1s040384 |
| TP-25 | | TP-040148 | 412 | - | Correction to test steps "ts\_ReceiveFirstSDUs\_RB10" and "ts\_ReceiveFirstSDUs\_RB13" of Package 3 RAB test case 14.2.49.1 | F | 3.6.1 | 3.7.0 | T1s040389 |
| TP-25 | | TP-040148 | 413 | - | Correction to GMM Package 2 approved TC 12.6.1.2 in handling Attach procedure. | F | 3.6.1 | 3.7.0 | T1s040402 |
| TP-25 | | TP-040148 | 414 | - | Delay to ensure the proper transmission of Cell Update Confirm in 8.3.4.2. | F | 3.6.1 | 3.7.0 | T1s040403 |
| TP-25 | | TP-040148 | 415 | - | Guard timer setting if registration is made to a PLMN different from the normal one | F | 3.6.1 | 3.7.0 | T1s040420 |
| TP-25 | | TP-040148 | 416 | - | Correction to RRC Package 2 TC 8.3.1.31. | F | 3.6.1 | 3.7.0 | T1s040422 |
| TP-25 | | TP-040148 | 417 | - | Correction to Package 2 RAB test case 14.4.3 to assign tcv\_CN\_Domain. | F | 3.6.1 | 3.7.0 | T1s040423 |
| TP-25 | | TP-040148 | 418 | - | Addition of a delay after reception of an RRC Connection Release Complete Message | F | 3.6.1 | 3.7.0 | T1s040424 |
| TP-25 | | TP-040148 | 419 | - | General correction for test cases where UE is switched off Cell(s) relased and reconfigured | F | 3.6.1 | 3.7.0 | T1s040425 |
| TP-25 | | TP-040148 | 420 | - | Corrections to RRC Package 3 TC 8.4.1.29 and 8.4.1.30. | F | 3.6.1 | 3.7.0 | T1s040429 |
| TP-25 | | TP-040148 | 421 | - | Correction to RRC TC 8.2.3.8 in ts\_RRC\_ReceiveRB\_SetupCmpl. | F | 3.6.1 | 3.7.0 | T1s040478 |
| TP-25 | | TP-040148 | 422 | - | Correction to Approved RRC Package 2 TC 8.3.1.22 | F | 3.6.0 | 3.7.0 | T1s040426 |
| TP-25 | | TP-040148 | 423 | - | TTCN Correction to test case 8.4.1.1 to RRC ATS V3.6.0 | F | 3.6.0 | 3.7.0 | T1s040390 |
| TP-25 | | TP-040167 | 424 | - | Addition of NAS test case 9.4.3.5 to NAS ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040460 |
| TP-25 | | TP-040167 | 425 | - | Addition of GCF P4 test case 10.1.2.2.1 ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040410 |
| TP-25 | | TP-040167 | 426 | - | Addition of GCF P4 test case 9.5.5 ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040408 |
| TP-25 | | TP-040167 | 427 | - | Addition of NAS test case 12.6.1.3.2 to NAS ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040456 |
| TP-25 | | TP-040167 | 428 | - | Addition of NAS test case 12.9.14 to NAS ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040458 |
| TP-25 | | TP-040167 | 429 | - | Addition of NAS test case 12.4.1.3 to NAS ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040452 |
| TP-25 | | TP-040167 | 430 | - | Addition of NAS test case 12.9.3 to NAS ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040519 |
| TP-25 | | TP-040167 | 431 | - | Addition of NAS test case 12.9.4 to NAS ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040521 |
| TP-25 | | TP-040167 | 432 | - | Addition of RRC test case 8.2.2.4 to RRC ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040515 |
| TP-25 | | TP-040167 | 433 | - | Addition of RRC test case 8.2.6.12 to RRC ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040517 |
| TP-25 | | TP-040167 | 434 | - | Addition of RAB test case 14.2.38c to RAB ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040527 |
| TP-25 | | TP-040167 | 435 | - | Addition of RAB test case 14.2.38f to RAB ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040529 |
| TP-25 | | TP-040167 | 436 | - | Addition of RAB test case 14.2.40 to RAB ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040523 |
| TP-25 | | TP-040167 | 437 | - | Addition of RAB test case 14.2.41 to RAB ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040525 |
| TP-25 | | TP-040167 | 438 | - | Addition of RRC Package 4 test case 8.1.3.5 to RRC ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040500 |
| TP-25 | | TP-040167 | 439 | - | Addition of RRC Package 4 test case 8.2.1.4 to RRC ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040502 |
| TP-25 | | TP-040167 | 440 | - | Addition of RRC Package 4 test case 8.2.1.7 to RRC ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040504 |
| TP-25 | | TP-040167 | 441 | - | Addition of RRC Package 4 test case 8.1.2.3 to RRC ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040498 |
| TP-25 | | TP-040167 | 442 | - | Addition of P4 RRC test case 8.3.2.9 | B | 3.6.1 | 3.7.0 | T1s040495 |
| TP-25 | | TP-040167 | 443 | - | Addition of P4 RRC test case 8.2.6.2 | B | 3.6.1 | 3.7.0 | T1s040573 |
| TP-25 | | TP-040167 | 444 | - | Addition of P4 RRC test case 8.3.1.17 | B | 3.6.1 | 3.7.0 | T1s040493 |
| TP-25 | | TP-040167 | 445 | - | Addition of P4 RRC test case 8.1.6.1 | B | 3.6.1 | 3.7.0 | T1s040489 |
| TP-25 | | TP-040167 | 446 | - | Addition of GCF P4 test case 8.3.1.12 to RRC ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040446 |
| TP-25 | | TP-040167 | 447 | - | Addition of GCF P4 test case 8.2.6.11 to RRC ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040444 |
| TP-25 | | TP-040167 | 448 | - | Addition of GCF P4 test case 9.5.4 ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040440 |
| TP-25 | | TP-040167 | 449 | - | Addition of P3 test case 8.4.1.37 to RRC ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040474 |
| TP-25 | | TP-040167 | 450 | - | Addition of P3 test case 8.4.1.38 to RRC ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040476 |
| TP-25 | | TP-040167 | 451 | - | Addition of GCF P4 test case 12.2.1.2 ATS V3.6.0 | B | 3.6.0 | 3.7.0 | T1s040450 |
| TP-25 | | TP-040167 | 452 | - | Addition of RAB Package 3 test case 14.2.38b to RAB ATS V3.6.1 | B | 3.6.1 | 3.7.0 | T1s040533 |
| TP-25 | | TP-040167 | 453 | - | Modification to MAC Package 2 test case 7.1.3.1 | F | 3.6.1 | 3.7.0 | T1s040531 |
| TP-25 | | TP-040167 | 454 | - | Correction to NAS test cases 9.4.2.3 (P2), 9.4.2.4 Proc 2 (P2), and 12.4.1.1a (P1) | F | 3.6.1 | 3.7.0 | T1s040514 |
| TP-25 | | TP-040167 | 455 | - | Correction to Package 3 SMS test case 16.2.1. | F | 3.6.1 | 3.7.0 | T1s040497 |
| TP-25 | | TP-040167 | 456 | - | Correction to GCF P1 test case 8.3.1.1 | F | 3.6.0 | 3.7.0 | T1s040484 |
| TP-25 | | TP-040193 | 460 | - | Updating Annex A | F | 3.6.1 | 3.7.0 | - |
| TP-26 | | TP-040237 | 461 | - | ASP update and other corrections | F | 3.7.0 | 3.8.0 | T1-041975 |
| TP-26 | | TP-040237 | 462 | - | Addition of AT command lists used in ATSs | F | 3.7.0 | 3.8.0 | T1-041976 |
| TP-26 | | TP-040237 | 463 | - | ASP change for Radio Link Modification | F | 3.7.0 | 3.8.0 | T1-041694 |
| TP-26 | | TP-040241 | 1050 | - | Addition of GCF P4 test case 8.2.2.35 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040743 |
| TP-26 | | TP-040241 | 1051 | - | Addition of RRC test case 8.3.1.18 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040448 |
| TP-26 | | TP-040241 | 1052 | - | Addition of GCF P1 test case 8.4.1.5 to RRC ATS v3.7.0 | B | 3.7.0 | 3.8.0 | T1s040739 |
| TP-26 | | TP-040241 | 1053 | - | Addition of GCF P4 test case 8.1.7.1d to RRC ATS v3.7.0 | B | 3.7.0 | 3.8.0 | T1s040717 |
| TP-26 | | TP-040241 | 1054 | - | Addition of RRC Package 3 test case 6.1.1.5 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040698 |
| TP-26 | | TP-040241 | 1055 | - | Addition of GCF P4 test case 12.2.1.4.1 ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040690 |
| TP-26 | | TP-040241 | 1056 | - | Addition of GCF P4 test case 12.4.1.4a ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040679 |
| TP-26 | | TP-040241 | 1057 | - | Addition of RRC test case 8.2.3.29 to RRC ATS V3.7.0 (Revision of T1s040688) | B | 3.7.0 | 3.8.0 | T1s040703 |
| TP-26 | | TP-040241 | 1058 | - | Changes to GCF package 2 IR\_U test case 12.8 required for approval | B | 3.7.0 | 3.8.0 | T1s040615 |
| TP-26 | | TP-040241 | 1059 | - | Addition of P4 test case 8.3.11.1 to IR\_U ATS v3.7.0, (Revision of T1s040633). | B | 3.7.0 | 3.8.0 | T1s040684 |
| TP-26 | | TP-040241 | 1060 | - | Addition of GCF P4 test cases 8.1.7.1c to RRC ATS v3.7.0 | B | 3.7.0 | 3.8.0 | T1s040677 |
| TP-26 | | TP-040241 | 1061 | - | Correction to Package 4 test case 12.9.7b ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040674 |
| TP-26 | | TP-040241 | 1062 | - | Addition of GCF P4 test case 12.4.1.4b ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040628 |
| TP-26 | | TP-040241 | 1063 | - | Correction to Package 4 GMM test case 12.4.1.1b (Revised CR T1s040467) | B | 3.7.0 | 3.8.0 | T1s040656 |
| TP-26 | | TP-040241 | 1064 | - | Addition of RRC test case 8.3.1.24 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040671 |
| TP-26 | | TP-040241 | 1065 | - | Addition of RRC test case 8.3.2.2 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040669 |
| TP-26 | | TP-040241 | 1066 | - | Addition of NAS test case 12.4.1.4c2 to NAS ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040664 |
| TP-26 | | TP-040241 | 1067 | - | Addition of RRC test case 8.3.1.25 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040658 |
| TP-26 | | TP-040241 | 1068 | - | Addition of NAS test case 12.6.1.3.3 to NAS ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040651 |
| TP-26 | | TP-040241 | 1069 | - | Addition of RRC test case 8.3.2.13 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040653 |
| TP-26 | | TP-040241 | 1070 | - | Addition of P4 test case 8.1.3.4 to the RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040649 |
| TP-26 | | TP-040241 | 1071 | - | Addition of P4 test case 8.3.7.13 to IR\_U ATS v3.7.0 | B | 3.7.0 | 3.8.0 | T1s040638 |
| TP-26 | | TP-040241 | 1072 | - | Addition of P4 test case 8.3.7.7 to IR\_U ATS v3.7.0 | B | 3.7.0 | 3.8.0 | T1s040640 |
| TP-26 | | TP-040241 | 1073 | - | Addition of NAS test case 12.9.8 to NAS ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040613 |
| TP-26 | | TP-040241 | 1074 | - | Addition of NAS test case 12.4.1.4d1 to NAS ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040635 |
| TP-26 | | TP-040241 | 1075 | - | Addition of P2 test case 6.2.1.9 to IR\_U ATS v3.7.0 | B | 3.7.0 | 3.8.0 | T1s040604 |
| TP-26 | | TP-040241 | 1076 | - | Addition of GCF P4 test case 12.2.1.5b ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040595 |
| TP-26 | | TP-040241 | 1077 | - | Addition of GCF P4 test case 12.9.7c ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040587 |
| TP-26 | | TP-040241 | 1078 | - | Addition of GCF P4 test case 8.2.2.31 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040485 |
| TP-26 | | TP-040241 | 1079 | - | Addition of RAB Package 4 test case 14.4.2a.3 to RAB ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040626 |
| TP-26 | | TP-040241 | 1080 | - | Addition of RAB Package 4 test case 14.4.2a.2 to RAB ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040624 |
| TP-26 | | TP-040241 | 1081 | - | Addition of RAB Package 4 test case 14.4.2a.1 to RAB ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040622 |
| TP-26 | | TP-040241 | 1082 | - | Addition of RRC Package 4 test case 8.2.3.11 to RRC ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040620 |
| TP-26 | | TP-040241 | 1083 | - | Addition of NAS test case 12.4.3.4 to NAS ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040609 |
| TP-26 | | TP-040241 | 1084 | - | Addition of NAS test case 12.9.6 to NAS ATS V3.7.0 | B | 3.7.0 | 3.8.0 | T1s040607 |
| TP-26 | | TP-040241 | 1085 | - | Changes to GCF package 4 IR\_U test case 8.3.7.9 required for approval. | B | 3.7.0 | 3.8.0 | T1s040552 |
| TP-26 | | TP-040241 | 1086 | - | Changes to GCF package 4 IR\_U test case 8.3.7.5 required for approval. | B | 3.7.0 | 3.8.0 | T1s040548 |
| TP-26 | | TP-040241 | 1087 | - | Addition of GCF P4 test case 12.4.1.2 ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040585 |
| TP-26 | | TP-040241 | 1088 | - | Addition of GCF P4 test case 10.1.2.2.3 ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040412 |
| TP-26 | | TP-040241 | 1089 | - | Addition of GCF P4 test case 9.5.7.1 ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040404 |
| TP-26 | | TP-040241 | 1090 | - | Addition of GCF P4 test cases 8.1.12 to RRC ATS v3.6.1 | B | 3.7.0 | 3.8.0 | T1s040602 |
| TP-26 | | TP-040241 | 1091 | - | Addition of GCF P4 test cases 8.1.7.1b to RRC ATS v3.6.1 | B | 3.7.0 | 3.8.0 | T1s040600 |
| TP-26 | | TP-040241 | 1092 | - | Addition of GCF P4 test case 12.2.1.6.2 ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040436 |
| TP-26 | | TP-040241 | 1093 | - | Addition of GCF P4 test case 12.2.1.5a.1 ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040434 |
| TP-26 | | TP-040241 | 1094 | - | Addition of GCF P4 test case 8.3.1.15 to RRC ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040487 |
| TP-26 | | TP-040241 | 1095 | - | Addition of GCF P4 test case 8.1.2.4 ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040442 |
| TP-26 | | TP-040241 | 1096 | - | Addition of NAS test case 12.4.1.4d2 to NAS ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040579 |
| TP-26 | | TP-040241 | 1097 | - | Addition of GCF P3 test case 6.1.1.7 ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040427 |
| TP-26 | | TP-040241 | 1098 | - | Addition of GCF P3 test case 12.4.2.5a.1 ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040472 |
| TP-26 | | TP-040241 | 1099 | - | Re-submission of GCF package 2 IR\_U test case 6.2.2.1 for approval. | B | 3.7.0 | 3.8.0 | T1s040534 |
| TP-26 | | TP-040241 | 1100 | - | Addition of RAB test case 14.2.51b.1 to RAB ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040570 |
| TP-26 | | TP-040241 | 1101 | - | Addition of RRC test case 10.1.2.3.7 to RRC ATS V3.6.1 | B | 3.7.0 | 3.8.0 | T1s040508 |
| TP-26 | | TP-040241 | 1102 | - | Addition of RRC test case 10.1.2.7.1 to RRC ATS V3.6.1 | B | 3.7.0 | 3.8.0 | T1s040510 |
| TP-26 | | TP-040241 | 1103 | - | Addition of RRC test case 10.1.2.3.2 to RRC ATS V3.6.1 | B | 3.7.0 | 3.8.0 | T1s040506 |
| TP-26 | | TP-040241 | 1104 | - | Addition of NAS Package 4 test case 12.2.1.6 Proc1 to NAS ATS V3.6.1 | B | 3.7.0 | 3.8.0 | T1s040565 |
| TP-26 | | TP-040241 | 1105 | - | Addition of NAS Package 4 test case 12.2.1.4 proc2 to NAS ATS V3.6.1 | B | 3.7.0 | 3.8.0 | T1s040561 |
| TP-26 | | TP-040241 | 1106 | - | Addition of NAS Package 4 test case 12.2.1.5a Proc2 to NAS ATS V3.6.1 | B | 3.7.0 | 3.8.0 | T1s040563 |
| TP-26 | | TP-040241 | 1107 | - | Addition of NAS Package 4 test case 12.2.1.10 to NAS ATS V3.6.1 | B | 3.7.0 | 3.8.0 | T1s040559 |
| TP-26 | | TP-040241 | 1108 | - | Addition of RAB test case 14.2.23a2 to RAB ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040556 |
| TP-26 | | TP-040241 | 1109 | - | Addition of NAS test case 12.6.1.3.1 to NAS ATS V3.6.0 | B | 3.7.0 | 3.8.0 | T1s040454 |
| TP-26 | | TP-040241 | 1110 | - | Addition of GCF P2 RRC 8.4.1.7 - Revision of T1s040381 | B | 3.7.0 | 3.8.0 | T1s040766 |
| TP-26 | | TP-040242 | 1111 | - | Correction to RRC P3 TC 8.4.1.37 | F | 3.7.0 | 3.8.0 | T1s040735 |
| TP-26 | | TP-040242 | 1112 | - | Correction to RRC P2 TC 8.3.1.31 for the timer value before step 5. | F | 3.7.0 | 3.8.0 | T1s040736 |
| TP-26 | | TP-040242 | 1113 | - | Correction to approved GCF P4 test cases 8.1.7.1c | F | 3.7.0 | 3.8.0 | T1s040734 |
| TP-26 | | TP-040242 | 1114 | - | Correction to approved package 4 NAS Test case tc\_12\_6\_1\_3\_2 | F | 3.7.0 | 3.8.0 | T1s040737 |
| TP-26 | | TP-040242 | 1115 | - | Corrections to RRC Package 1 TC 8.4.1.1. | F | 3.7.0 | 3.8.0 | T1s040738 |
| TP-26 | | TP-040242 | 1116 | - | Correction to the RRC default message handler on Dc SAP for Deactivate PDP Context Request message in RRC ATS. | F | 3.7.0 | 3.8.0 | T1s040731 |
| TP-26 | | TP-040242 | 1117 | - | Correction to TTCN for MultiRAB test cases. | F | 3.7.0 | 3.8.0 | T1s040732 |
| TP-26 | | TP-040242 | 1118 | - | Correction to approved package 4 NAS Test case tc\_12\_6\_1\_3\_1 | F | 3.7.0 | 3.8.0 | T1s040733 |
| TP-26 | | TP-040242 | 1119 | - | Summary of regression errors in the wk45 ATS. | F | 3.7.0 | 3.8.0 | T1s040723 |
| TP-26 | | TP-040242 | 1120 | - | Correction to RRC P4 TC 8.1.7.1b for comments in test steps. | F | 3.7.0 | 3.8.0 | T1s040711 |
| TP-26 | | TP-040242 | 1121 | - | Correction to GCF P3 NAS test Cases 13.2.1.1, 13.2.2.1 and 13.2.2.2 | F | 3.7.0 | 3.8.0 | T1s040712 |
| TP-26 | | TP-040242 | 1122 | - | Correction to GCF P4 NAS test Case 12.2.1.6.2 | F | 3.7.0 | 3.8.0 | T1s040713 |
| TP-26 | | TP-040242 | 1123 | - | Correction to RAB test case 14.4.2.3 and 14.4.2a.3. | F | 3.7.0 | 3.8.0 | T1s040714 |
| TP-26 | | TP-040242 | 1124 | - | Correction to RRC Package 2 TC 8.3.1.3. | F | 3.7.0 | 3.8.0 | T1s040722 |
| TP-26 | | TP-040242 | 1125 | - | Correction to AT Command used for GCF P1 NAS test Case 10.1.2.5.1 | F | 3.7.0 | 3.8.0 | T1s040724 |
| TP-26 | | TP-040242 | 1126 | - | Correction in TTCN for execution of Opmode C UE. | F | 3.7.0 | 3.8.0 | T1s040725 |
| TP-26 | | TP-040242 | 1127 | - | Correction to RRC Package 4 TC 8.1.2.3 | F | 3.7.0 | 3.8.0 | T1s040726 |
| TP-26 | | TP-040242 | 1128 | - | Correction to RRC test cases 8.1.2.1 and 8.1.2.7 | F | 3.7.0 | 3.8.0 | T1s040727 |
| TP-26 | | TP-040242 | 1130 | - | Correction to RRC test cases 8.1.3.1, 8.1.3.3, 8.1.3.4 and 8.1.3.5 | F | 3.7.0 | 3.8.0 | T1s040729 |
| TP-26 | | TP-040242 | 1131 | - | Correction to RRC Package 1 TC 8.1.2.9 | F | 3.7.0 | 3.8.0 | T1s040730 |
| TP-26 | | TP-040242 | 1132 | - | Correction to Package 2 RRC test case 8.3.1.4 | F | 3.7.0 | 3.8.0 | T1s040721 |
| TP-26 | | TP-040242 | 1133 | - | Correction to Package 3 RRC inter-RAT measurement test cases 8.4.1.31 + 8.4.1.33 + 8.4.1.34 + 8.4.1.35 + 8.4.1.36 + 8.4.1.40 | F | 3.7.0 | 3.8.0 | T1s040715 |
| TP-26 | | TP-040242 | 1134 | - | Correction to approved NAS test case 12.9.4 | F | 3.7.0 | 3.8.0 | T1s040716 |
| TP-26 | | TP-040242 | 1135 | - | Correction to Approved RRC Package 2 TC 8.3.7.2 | F | 3.7.0 | 3.8.0 | T1s040709 |
| TP-26 | | TP-040242 | 1136 | - | Correction to Approved RRC Package 3 TC 8.2.4.1a | F | 3.7.0 | 3.8.0 | T1s040708 |
| TP-26 | | TP-040242 | 1137 | - | Correction to Approved RRC Package 3 TC 8.4.1.31 | F | 3.7.0 | 3.8.0 | T1s040707 |
| TP-26 | | TP-040242 | 1138 | - | Correction to GCF P2 test cases 6.2.1.1, 6.2.1.6 and 6.2.1.9 to IR\_U ATS v3.7.0 to check the displayed PLMN. | F | 3.7.0 | 3.8.0 | T1s040693 |
| TP-26 | | TP-040242 | 1139 | - | Correction to Package 2 RAB test case 14.4.2.2 and 14.4.2.3. | F | 3.7.0 | 3.8.0 | T1s040697 |
| TP-26 | | TP-040242 | 1140 | - | Correction to GCF P4 NAS test Case 12.4.1.2 (Revision of T1-040673) | F | 3.7.0 | 3.8.0 | T1s040696 |
| TP-26 | | TP-040242 | 1141 | - | Correction of GCF P1 test case 7.2.3.23 | F | 3.7.0 | 3.8.0 | T1s040694 |
| TP-26 | | TP-040242 | 1142 | - | Global correction of Structured Type Constraints containing wildcards violating coding convention E.3.7 | F | 3.7.0 | 3.8.0 | T1s040695 |
| TP-26 | | TP-040242 | 1143 | - | Correction to GCF P4 RRC test Case 8.3.1.15 | F | 3.7.0 | 3.8.0 | T1s040675 |
| TP-26 | | TP-040242 | 1144 | - | Extension to Guard Timer for Approved NAS GMM Test Cases | F | 3.7.0 | 3.8.0 | T1s040692 |
| TP-26 | | TP-040242 | 1145 | - | Correction to RRC TC 8.1.12 for handling correct number of RRC Connection Release Complete message based on the value of N308 | F | 3.7.0 | 3.8.0 | T1s040687 |
| TP-26 | | TP-040242 | 1146 | - | Corrections Required for the wk42 ATS | F | 3.7.0 | 3.8.0 | T1s040682 |
| TP-26 | | TP-040242 | 1147 | - | Corrections to release of SS resources for a cell during test case execution | F | 3.7.0 | 3.8.0 | T1s040681 |
| TP-26 | | TP-040242 | 1148 | - | Correction to approved RRC Package 1 8.3.1.1 | F | 3.7.0 | 3.8.0 | T1s040668 |
| TP-26 | | TP-040242 | 1149 | - | Correction to approved RRC Package 4 TC 8.2.6.11 | F | 3.7.0 | 3.8.0 | T1s040667 |
| TP-26 | | TP-040242 | 1150 | - | Regression test error corrections to TTCN deliveries of wk40 | F | 3.7.0 | 3.8.0 | T1s040666 |
| TP-26 | | TP-040242 | 1151 | - | Correction of GCF P1 test case 7.2.3.14 | F | 3.7.0 | 3.8.0 | T1s040660 |
| TP-26 | | TP-040242 | 1152 | - | Correction of GCF P1 test case 11.1.1.1 | F | 3.7.0 | 3.8.0 | T1s040661 |
| TP-26 | | TP-040242 | 1153 | - | Correction of GCF P3 SMS test cases 16.1.1, 16.1.2, 16.1.9.1, 16.1.9.2, 16.1.10, 16.2.1, 16.2.2, 16.2.10 | F | 3.7.0 | 3.8.0 | T1s040662 |
| TP-26 | | TP-040242 | 1154 | - | Corrections Required for the wk40 ATS | F | 3.7.0 | 3.8.0 | T1s040663 |
| TP-26 | | TP-040242 | 1155 | - | Correction to Approved RRC Package 2 TC 8.2.4.3 | F | 3.7.0 | 3.8.0 | T1s040655 |
| TP-26 | | TP-040242 | 1156 | - | Correction to Package 3 SMS test cases. | F | 3.7.0 | 3.8.0 | T1s040637 |
| TP-26 | | TP-040242 | 1157 | - | Correction to approved package 4 NAS Test case tc\_12\_4\_1\_4d2 | F | 3.7.0 | 3.8.0 | T1s040648 |
| TP-26 | | TP-040242 | 1158 | - | Correction to Package 4 NAS test case 12.2.1.2 for increasing the guard timer. | F | 3.7.0 | 3.8.0 | T1s040630 |
| TP-26 | | TP-040242 | 1159 | - | Regression error corrections to TTCN deliveries of wk34 and wk37 | F | 3.7.0 | 3.8.0 | T1s040636 |
| TP-26 | | TP-040242 | 1160 | - | Summary of regression errors in the wk37 ATS. | F | 3.7.0 | 3.8.0 | T1s040617 |
| TP-26 | | TP-040242 | 1161 | - | Correction to RRC Package 1 test cases 8.1.7.1 and 8.1.7.2 (Revision of T1s040532) | F | 3.7.0 | 3.8.0 | T1s040618 |
| TP-26 | | TP-040242 | 1162 | - | Corrections Required for the wk37 ATS (Revision of T1s040606) | F | 3.7.0 | 3.8.0 | T1s040619 |
| TP-26 | | TP-040242 | 1163 | - | Correction to Package 2 RRC test case 8.3.2.11 to increase the timer while waiting for URA Update. | F | 3.7.0 | 3.8.0 | T1s040599 |
| TP-26 | | TP-040242 | 1164 | - | Correction to Approved RRC Package 1 TC 8.1.2.2 | F | 3.7.0 | 3.8.0 | T1s040584 |
| TP-26 | | TP-040242 | 1165 | - | Radiolink removal and subsequent addition to align the TTCN with 34.123-1 | F | 3.7.0 | 3.8.0 | T1s040583 |
| TP-26 | | TP-040242 | 1166 | - | TTCN Correction to Test Case 14.2.12 and 14.2.16 | F | 3.7.0 | 3.8.0 | T1s040581 |
| TP-26 | | TP-040242 | 1167 | - | Correction to Approved RRC Package 2 TC 8.4.1.2 | F | 3.7.0 | 3.8.0 | T1s040582 |
| TP-26 | | TP-040242 | 1168 | - | Corrections to GCF package 2 IR\_U test case 6.2.1.1 | F | 3.7.0 | 3.8.0 | T1s040536 |
| TP-26 | | TP-040242 | 1169 | - | Corrections to GCF package 2 IR\_U test case 6.2.1.6 | F | 3.7.0 | 3.8.0 | T1s040538 |
| TP-26 | | TP-040242 | 1170 | - | Correction of GCF package 2 IR\_U test case 8.3.7.1. | F | 3.7.0 | 3.8.0 | T1s040540 |
| TP-26 | | TP-040242 | 1171 | - | Correction of GCF package 2 IR\_U test case 8.3.7.2. | F | 3.7.0 | 3.8.0 | T1s040542 |
| TP-26 | | TP-040242 | 1172 | - | Correction of GCF package 2 IR\_U test case 8.3.7.3. | F | 3.7.0 | 3.8.0 | T1s040544 |
| TP-26 | | TP-040242 | 1173 | - | Correction of GCF package 2 IR\_U test case 8.3.7.4. | F | 3.7.0 | 3.8.0 | T1s040546 |
| TP-26 | | TP-040242 | 1174 | - | Correction of GCF package 2 IR\_U test case 8.4.1.40. | F | 3.7.0 | 3.8.0 | T1s040554 |
| TP-26 | | TP-040242 | 1175 | - | TTCN changes to approved package 1 RRC testcase 8.4.1.3 | F | 3.7.0 | 3.8.0 | T1s040576 |
| TP-26 | | TP-040242 | 1176 | - | Correction to MultiRAB test cases 14.2.38a, 14.2.38b and 14.2.38e | F | 3.7.0 | 3.8.0 | T1s040575 |
| TP-26 | | TP-040242 | 1177 | - | Correction to Approved RRC Package 2 TC 8.4.1.2 | F | 3.7.0 | 3.8.0 | T1s040572 |
| TP-26 | | TP-040242 | 1178 | - | Addition of verdicts in RRC default message handler on Dc SAP for Deactivate PDP Context Request message in RRC ATS.(Revision of T1s040512) | F | 3.7.0 | 3.8.0 | T1s040569 |
| TP-26 | | TP-040242 | 1179 | - | Regression error corrections to TTCN deliveries of wk26 and wk31 | F | 3.7.0 | 3.8.0 | T1s040558 |
| TP-26 | | TP-040242 | 1180 | - | Modification to MAC Package 2 test case 7.1.3.1 | F | 3.7.0 | 3.8.0 | T1s040531 |
| TP-26 | | TP-040242 | 1181 | - | Correction to NAS test cases 9.4.2.3 (P2), 9.4.2.4 Proc 2 (P2), and 12.4.1.1a (P1) | F | 3.7.0 | 3.8.0 | T1s040514 |
| TP-26 | | TP-040242 | 1182 | - | Correction to Package 3 SMS test case 16.2.1. | F | 3.7.0 | 3.8.0 | T1s040497 |
| TP-26 | | TP-040242 | 1183 | - | Correction to GCF P1 test case 8.3.1.1 | F | 3.7.0 | 3.8.0 | T1s040484 |
| TP-26 | | TP-040242 | 1184 | - | Regression test error corrections to TTCN deliveries of wk42 | F | 3.7.0 | 3.8.0 | T1s040699 |
| TP-26 | | TP-040238 | 1185 | - | Updating Annex A | F | 3.7.0 | 3.8.0 | - |
| TP-27 | | TP-050039 | 1185 |  | RRC Connection Establishment: Reject with InterRATInfo is set to GSM and selection to the designated system fails | B | 3.8.0 | 5.0.0 | T1s050056 |
| TP-27 | | TP-050039 | 1186 |  | RRC Connection Establishment: Reject with interRATInfo is set to GSM | B | 3.8.0 | 5.0.0 | T1s050054 |
| TP-27 | | TP-050039 | 1187 |  | MM connection / abortion by the network / cause not equal to #6 | B | 3.8.0 | 5.0.0 | T1s050044 |
| TP-27 | | TP-050039 | 1188 |  | PS detach / rejected / PS services not allowed in this PLMN/ test1 | B | 3.8.0 | 5.0.0 | T1s050046 |
| TP-27 | | TP-050039 | 1189 |  | Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes | B | 3.8.0 | 5.0.0 | T1s050018 |
| TP-27 | | TP-050039 | 1190 |  | RRC / Paging for Connection in connected mode (URA\_PCH, multiple paging records) | B | 3.8.0 | 5.0.0 | T1s050038 |
| TP-27 | | TP-050039 | 1191 |  | Combined routing area updating / abnormal cases / access barred due to access class control / test procedure 1 | B | 3.8.0 | 5.0.0 | T1s050036 |
| TP-27 | | TP-050039 | 1192 |  | Combined routing area updating / abnormal cases / access barred due to access class control / test procedure 2 | B | 3.8.0 | 5.0.0 | T1s050034 |
| TP-27 | | TP-050039 | 1193 |  | Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 20 ms TTI | B | 3.8.0 | 5.0.0 | T1s050025 |
| TP-27 | | TP-050039 | 1194 |  | Measurement Report on INITIAL DIRECT TRANSFER message and UPLINK DIRECT TRANSFER message | B | 3.8.0 | 5.0.0 | T1s050031 |
| TP-27 | | TP-050039 | 1195 |  | Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | B | 3.8.0 | 5.0.0 | T1s050023 |
| TP-27 | | TP-050039 | 1196 |  | Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI | B | 3.8.0 | 5.0.0 | T1s050010 |
| TP-27 | | TP-050039 | 1197 |  | Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH | B | 3.8.0 | 5.0.0 | T1s050008 |
| TP-27 | | TP-050039 | 1198 |  | Cell change order from UTRAN/To GPRS/CELL\_DCH/Failure (Physical channel & Reversion Failure) | B | 3.8.0 | 5.0.0 | T1s050001 |
| TP-27 | | TP-050039 | 1199 |  | RRC Connection Release in CELL\_DCH state (Network Authentication Failure): Success | B | 3.8.0 | 5.0.0 | T1s050006 |
| TP-27 | | TP-050039 | 1200 |  | Inter system handover from UTRAN/To GSM/Speech/Failure (Physical channel Failure and Reversion Failure) | B | 3.8.0 | 5.0.0 | T1s040798 |
| TP-27 | | TP-050039 | 1201 |  | Cell reselection using cell status and cell reservations | B | 3.8.0 | 5.0.0 | T1s040794 |
| TP-27 | | TP-050039 | 1202 |  | RRC / Radio Bearer Establishment for transition from CELL\_DCH to CELL\_FACH (Frequency band modification): Success | B | 3.8.0 | 5.0.0 | T1s040796 |
| TP-27 | | TP-050039 | 1203 |  | Correct Selection of RACH parameters (FDD) | B | 3.8.0 | 5.0.0 | T1s040755 |
| TP-27 | | TP-050039 | 1204 |  | Measurement Control and Report: Additional Measurements list | B | 3.8.0 | 5.0.0 | T1s040791 |
| TP-27 | | TP-050039 | 1205 |  | PS attach / rejected / PS services not allowed in this PLMN | B | 3.8.0 | 5.0.0 | T1s040779 |
| TP-27 | | TP-050039 | 1206 |  | Access Service class selection for RACH transmission | B | 3.8.0 | 5.0.0 | T1s040757 |
| TP-27 | | TP-050039 | 1207 |  | Selection of RAT for UPLMN; Automatic mode | B | 3.8.0 | 5.0.0 | T1s040746 |
| TP-27 | | TP-050039 | 1208 |  | Selection of RAT for OPLMN; Automatic mode | B | 3.8.0 | 5.0.0 | T1s040748 |
| TP-27 | | TP-050039 | 1209 |  | Cell reselection if cell becomes barred or S<0; UTRAN to GPRS (CELL\_FACH) | B | 3.8.0 | 5.0.0 | T1s040701 |
| TP-27 | | TP-050039 | 1210 |  | Service Request / RAB re-establishment / UE initiated / multiple PDP contexts | B | 3.8.0 | 5.0.0 | T1s040719 |
| TP-27 | | TP-050040 | 1211 |  | Summary of regression errors in the wk04 ATS | F | 3.8.0 | 5.0.0 | T1s050063 |
| TP-27 | | TP-050040 | 1212 |  | Summary of regression errors in the wk04 ATS. | F | 3.8.0 | 5.0.0 | T1s050062 |
| TP-27 | | TP-050040 | 1213 |  | Correction to RRC P2 TC 8.4.1.7 | F | 3.8.0 | 5.0.0 | T1s050040 |
| TP-27 | | TP-050040 | 1214 |  | Summary of regression errors in the wk04 ATS. | F | 3.8.0 | 5.0.0 | T1s050061 |
| TP-27 | | TP-050040 | 1215 |  | Summary of regression errors in the wk04 ATS. | F | 3.8.0 | 5.0.0 | T1s050058 |
| TP-27 | | TP-050040 | 1216 |  | Correction to approved package 4 NAS Test case 12\_6\_1\_3\_3 | F | 3.8.0 | 5.0.0 | T1s050052 |
| TP-27 | | TP-050040 | 1217 |  | Correction to Approved RRC Package 3 TC 8.4.1.38 | F | 3.8.0 | 5.0.0 | T1s050051 |
| TP-27 | | TP-050040 | 1218 |  | Correction to Approved NAS Package 3 TC 9.4.7 | F | 3.8.0 | 5.0.0 | T1s050053 |
| TP-27 | | TP-050040 | 1219 |  | Correction to Approved RRC Package 2 TC 8.3.7.2 / 8.3.7.3 | F | 3.8.0 | 5.0.0 | T1s050050 |
| TP-27 | | TP-050040 | 1220 |  | Correction to Approved RRC Package 3 TC 8.4.1.36 | F | 3.8.0 | 5.0.0 | T1s050048 |
| TP-27 | | TP-050040 | 1221 |  | Correction to Approved IR\_U Package 2 test case 6.2.2.1 | F | 3.8.0 | 5.0.0 | T1s050042 |
| TP-27 | | TP-050040 | 1222 |  | Correction to Approved IR\_U Package 4 Test Case 8.3.7.12 | F | 3.8.0 | 5.0.0 | T1s050043 |
| TP-27 | | TP-050040 | 1223 |  | Correction to test step "ts\_AT\_TerminateCall". | F | 3.8.0 | 5.0.0 | T1s050041 |
| TP-27 | | TP-050040 | 1224 |  | Wk51 regression error report on unapproved and approved Idlemode testcases 6.1.2.x | F | 3.8.0 | 5.0.0 | T1s050027 |
| TP-27 | | TP-050040 | 1225 |  | Correction to approved package 3 NAS Test case 9\_4\_7 | F | 3.8.0 | 5.0.0 | T1s050030 |
| TP-27 | | TP-050040 | 1226 |  | Summary of regression errors in the wk51 ATS. | F | 3.8.0 | 5.0.0 | T1s050028 |
| TP-27 | | TP-050040 | 1227 |  | Correction to RRC P1 TC 8.4.1.3 | F | 3.8.0 | 5.0.0 | T1s050020 |
| TP-27 | | TP-050040 | 1228 |  | Correction to RRC P2 TC 8.3.1.22 for removing check of "FOR" field value from ROUTING AREA UPDATING REQUEST message. | F | 3.8.0 | 5.0.0 | T1s050021 |
| TP-27 | | TP-050040 | 1229 |  | Correction to Package 4 NAS test case 12.9.14 | F | 3.8.0 | 5.0.0 | T1s050022 |
| TP-27 | | TP-050040 | 1230 |  | Summary of regression errors in the wk51 ATS. | F | 3.8.0 | 5.0.0 | T1s050033 |
| TP-27 | | TP-050040 | 1231 |  | Correction to 34.123-3, section 16, SMS test cases regarding Validity Period Formats | F | 3.8.0 | 5.0.0 | T1s050029 |
| TP-27 | | TP-050040 | 1232 |  | Additional Corrections required for 14.4.2.2 test cases in the RAB ATS. | F | 3.8.0 | 5.0.0 | T1s050017 |
| TP-27 | | TP-050040 | 1233 |  | Revised corrections to approved IR\_U test cases 6\_2\_1\_1, 6\_2\_1\_7 and 6\_2\_1\_8. | F | 3.8.0 | 5.0.0 | T1s050012 |
| TP-27 | | TP-050040 | 1234 |  | Corrections required for "Combinations on SCCPCH" test cases in the RAB ATS. | F | 3.8.0 | 5.0.0 | T1s040801 |
| TP-27 | | TP-050040 | 1235 |  | Correction to RRC P1 TC 8.4.1.5 | F | 3.8.0 | 5.0.0 | T1s040797 |
| TP-27 | | TP-050040 | 1236 |  | Additional Corrections Required for the wk47 ATS | F | 3.8.0 | 5.0.0 | T1s040765 |
| TP-27 | | TP-050040 | 1237 |  | Correction to Package 4 NAS test case 12.2.1.5a Proc1 | F | 3.8.0 | 5.0.0 | T1s040773 |
| TP-27 | | TP-050040 | 1238 |  | Summary of regression errors in the wk49 ATS. | F | 3.8.0 | 5.0.0 | T1s040790 |
| TP-27 | | TP-050040 | 1239 |  | Summary of regression errors in wk49 ATS. | F | 3.8.0 | 5.0.0 | T1s040789 |
| TP-27 | | TP-050040 | 1240 |  | Correction to Approved RRC Package 4 TC 8.3.11.1 | F | 3.8.0 | 5.0.0 | T1s040788 |
| TP-27 | | TP-050040 | 1241 |  | Correction required to Package 4 NAS test case 12.9.13. | F | 3.8.0 | 5.0.0 | T1s040787 |
| TP-27 | | TP-050040 | 1242 |  | Correction to approved GCF P4 NAS test case 12.9.8: improvement of incomplete implementation of T1-041930 | F | 3.8.0 | 5.0.0 | T1s040786 |
| TP-27 | | TP-050040 | 1243 |  | Correction to SIB1 contents for approved RRC Idle Mode and InterRAT test cases. | F | 3.8.0 | 5.0.0 | T1s040774 |
| TP-27 | | TP-050040 | 1244 |  | Correction to Package 4 NAS test cases 12.4.3.4. | F | 3.8.0 | 5.0.0 | T1s040781 |
| TP-27 | | TP-050040 | 1245 |  | Corrections to RRC Package 3 TC 8.4.1.26 to change the Downlink Power level settings of Cell A at Time Instant 'T1'. | F | 3.8.0 | 5.0.0 | T1s040782 |
| TP-27 | | TP-050040 | 1246 |  | Correction to GMM Test cases for removing check of "FOR" field value from ATTACH REQUEST and ROUTING AREA UPDATING REQUEST messages. (Revision to TTCN CR T1s040763) | F | 3.8.0 | 5.0.0 | T1s040783 |
| TP-27 | | TP-050040 | 1247 |  | Correction to RRC P1 TC 8.4.1.5 (Revision of T1s040739) | F | 3.8.0 | 5.0.0 | T1s040770 |
| TP-27 | | TP-050040 | 1248 |  | Corrections required to rlc\_SizeIndex in the RAB ATS | F | 3.8.0 | 5.0.0 | T1s040772 |
| TP-27 | | TP-050040 | 1249 |  | Corrections to RRC 8.3.2.x for Special LI | F | 3.8.0 | 5.0.0 | T1s040769 |
| TP-27 | | TP-050040 | 1250 |  | Summary of regression errors in the wk47 ATS. | F | 3.8.0 | 5.0.0 | T1s040768 |
| TP-27 | | TP-050040 | 1251 |  | Summary of regression errors in the wk47 ATS. | F | 3.8.0 | 5.0.0 | T1s040760 |
| TP-27 | | TP-050040 | 1252 |  | Correction to Package 2 RRC test case 8.3.2.11 to increase the wait time while checking that UE does not send URA Update. | F | 3.8.0 | 5.0.0 | T1s040752 |
| TP-27 | | TP-050040 | 1253 |  | Correction to RRC Test Case 8.3.1.22. | F | 3.8.0 | 5.0.0 | T1s040753 |
| TP-27 | | TP-050040 | 1254 |  | Correction to approved package 2 NAS Test case 9.4.2.3 | F | 3.8.0 | 5.0.0 | T1s040761 |
| TP-27 | | TP-050040 | 1255 |  | Corrections to RRC Package 1 TC 8.3.1.1 to add a delay before SS reconfigures MAC according to the new C-RNTI or U-RNTI assigned to UE. | F | 3.8.0 | 5.0.0 | T1s040762 |
| TP-27 | | TP-050040 | 1256 |  | Summary of regression errors in the wk47 ATS. | F | 3.8.0 | 5.0.0 | T1s040750 |
| TP-27 | | TP-050040 | 1257 |  | Corrections Required for the wk47 ATS | F | 3.8.0 | 5.0.0 | T1s040758 |
| TP-27 | | TP-050040 | 1258 |  | Summary of regression errors in IR\_U wk47 ATS. | F | 3.8.0 | 5.0.0 | T1s040754 |
| TP-27 | | TP-050040 | 1259 |  | Correction to package 1 test case 8.3.4.3. | F | 3.8.0 | 5.0.0 | T1s040742 |
| TP-27 | | TP-050040 | 1260 |  | Correction to approved package 4 NAS Test cases 12.2.1.6 proc1, 12.2.1.6 proc2 and 12.9.8 | F | 3.8.0 | 5.0.0 | T1s040745 |
| TP-27 | | TP-050037 | 1261 | - | Add new verified TTCN test cases CR to 34.123-3 (prose) in Annex A | F | 3.8.0 | 5.0.0 | - |
| TP-27 | | TP-050036 | 1263 | - | Corrections Required for "Combinations on SCCPCH" configurations. | F | 3.8.0 | 5.0.0 | T1-050201r3 |
| TP-27 | | TP-050036 | 1264 | - | Introduce ASP for HSDPA | B | 3.8.0 | 5.0.0 | T1-050036 |
| TP-27 | | TP-050036 | 1265 | - | Introduce ASP for LCR TDD | B | 3.8.0 | 5.0.0 | T1-050037 |
| TP-27 | | TP-050036 | 1266 | - | Replacement of 34.123-3 Release 99 by a pointer to the newly created Release 5 version | F | 3.8.0 | 3.9.0 | T1-050250 |
| TP-27 | | TP-050036 | 1267 | - | Corrections of encoding rules and postambles | F | 3.8.0 | 5.0.0 | T1-050282 |
| TP-27 | | TP-050036 | 1268 | - | Introduce ASP for A-GPS | B | 3.8.0 | 5.0.0 | T1-050284 |
| RP-28 | | RP-050365 | 1270 | - | Addition of NAS WI 12 test case 12.3.2.7 to NAS ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050128 |
| RP-28 | | RP-050365 | 1271 | - | Addition of WI-012 NAS test case 12.9.7a to NAS ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050134 |
| RP-28 | | RP-050365 | 1272 | - | Addition of NAS WI 12 test case 12.9.9 to NAS ATS V3.8.0 | B | 5.0.0 | 5.1.0 | R5s050080 |
| RP-28 | | RP-050365 | 1273 | - | Addition of WI-010 P3 RAB test case 14.2.43.1 to RAB ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050100 |
| RP-28 | | RP-050365 | 1274 | - | Addition of WI-012 RAB test case 14.2.43.2 to RAB ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050098 |
| RP-28 | | RP-050365 | 1275 | - | Addition of WI-012 RAB test case 14.2.58a to RAB ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050096 |
| RP-28 | | RP-050365 | 1276 | - | Addition of WI-012 RLC test case 7.2.3.28 to RLC ATS V3.8.0 | B | 5.0.0 | 5.1.0 | R5s050066 |
| RP-28 | | RP-050365 | 1277 | - | Addition of WI-012 RLC test case 7.2.3.32 to RLC ATS V3.8.0 | B | 5.0.0 | 5.1.0 | R5s050068 |
| RP-28 | | RP-050365 | 1278 | - | Addition of WI-012 RLC test case 7.2.3.35 to RLC ATS V3.8.0 | B | 5.0.0 | 5.1.0 | R5s050070 |
| RP-28 | | RP-050365 | 1279 | - | Addition of WI12 test case 8.1.1.9 to RRC ATS v5.0.0 (Revision of R5s050125) | B | 5.0.0 | 5.1.0 | R5s050141 |
| RP-28 | | RP-050365 | 1280 | - | Addition of WI12 test cases 8.1.2.11 to RRC ATS v3.8.0 | B | 5.0.0 | 5.1.0 | R5s050074 |
| RP-28 | | RP-050365 | 1281 | - | Addition of RRC WI-012 test case 8.3.1.30 to RRC ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050138 |
| RP-28 | | RP-050365 | 1282 | - | Addition of WI-012 test case 8.3.7.16 to IR\_U ATS 3.8.0. | B | 5.0.0 | 5.1.0 | R5s050076 |
| RP-28 | | RP-050365 | 1283 | - | Regression changes on TC 8.3.9.5 - WK09 | B | 5.0.0 | 5.1.0 | R5s050112 |
| RP-28 | | RP-050365 | 1284 | - | Addition of RRC WI-012 test case 8.4.1.6 to RRC ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050132 |
| RP-28 | | RP-050365 | 1285 | - | Addition of WI-012 NAS test case 9.4.5.4.6 to NAS ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050136 |
| RP-28 | | RP-050365 | 1286 | - | Addition of NAS P4 test case 12.4.1.4c Proc1 to NAS ATS V5.0.0 | B | 5.0.0 | 5.1.0 | R5s050170 |
| RP-28 | | RP-050365 | 1287 | - | Revision and Addition of WI-10 (P2) test cases 6.2.2.2 to IR\_U ATS v5.0.0 | B | 5.0.0 | 5.1.0 | R5s050173 |
| RP-28 | | RP-050281 | 1289 | - | Summary of regression errors for IR\_U\_r3\_wk17. | F | 5.0.0 | 5.1.0 | R5s050146 |
| RP-28 | | RP-050281 | 1290 | - | Correction to Approved RRC Package 4 TC 8.4.1.40 | F | 5.0.0 | 5.1.0 | R5s050169 |
| RP-28 | | RP-050281 | 1291 | - | Correction of a missing LB entity in LB setup introduced in Rel-5 in the definition of CLOSE UE TEST LOOP | F | 5.0.0 | 5.1.0 | R5s050168 |
| RP-28 | | RP-050281 | 1292 | - | Correction to approved testcase 8.2.2.4 and 8.2.4.4 | F | 5.0.0 | 5.1.0 | R5s050165 |
| RP-28 | | RP-050281 | 1293 | - | Summary of additional regression errors in the wk17 ATS. | F | 5.0.0 | 5.1.0 | R5s050166 |
| RP-28 | | RP-050281 | 1294 | - | Correction to approved testcase 8.2.1.9 | F | 5.0.0 | 5.1.0 | R5s050163 |
| RP-28 | | RP-050281 | 1295 | - | Correction in TTCN to support Band II UE for UE capability Information | F | 5.0.0 | 5.1.0 | R5s050167 |
| RP-28 | | RP-050281 | 1296 | - | Correction to value of periodic RA update timer IE in Attach Accept message | F | 5.0.0 | 5.1.0 | R5s050152 |
| RP-28 | | RP-050281 | 1297 | - | Correction to Order of AT commands used for initiation of PS call | F | 5.0.0 | 5.1.0 | R5s050153 |
| RP-28 | | RP-050281 | 1298 | - | Correction to approved testcase 8.1.7.1b | F | 5.0.0 | 5.1.0 | R5s050154 |
| RP-28 | | RP-050281 | 1299 | - | Regression Error Report based on wk17ATS | F | 5.0.0 | 5.1.0 | R5s050164 |
| RP-28 | | RP-050281 | 1300 | - | Correction in TTCN to enable ciphering for 3G to 2G handover. | F | 5.0.0 | 5.1.0 | R5s050149 |
| RP-28 | | RP-050281 | 1301 | - | Correction to approved RRC testcases 8.1.3.3 and 8.1.3.4 | F | 5.0.0 | 5.1.0 | R5s050148 |
| RP-28 | | RP-050281 | 1302 | - | Correction to GCF WI-10 test case 8.4.1.3 | F | 5.0.0 | 5.1.0 | R5s050140 |
| RP-28 | | RP-050281 | 1303 | - | Corrections to WI-010 P3 RAB test cases 14.2.12, 14.2.16 & 14.2.17 | F | 5.0.0 | 5.1.0 | R5s050127 |
| RP-28 | | RP-050281 | 1304 | - | Correction required for WI-010 P3 RAB Testcase 14.2.38c. | F | 5.0.0 | 5.1.0 | R5s050124 |
| RP-28 | | RP-050281 | 1305 | - | Correction to GCF Package 3 RRC test case 8.3.1.24 | F | 5.0.0 | 5.1.0 | R5s050123 |
| RP-28 | | RP-050281 | 1306 | - | Summary of additional regression errors in the wk09 ATS. | F | 5.0.0 | 5.1.0 | R5s050116 |
| RP-28 | | RP-050281 | 1307 | - | Correction to approved RRC Package 4 TC 8.3.1.18 | F | 5.0.0 | 5.1.0 | R5s050117 |
| RP-28 | | RP-050281 | 1308 | - | Correction to WI-12 Test Case 8.3.7.16 | F | 5.0.0 | 5.1.0 | R5s050115 |
| RP-28 | | RP-050282 | 1309 | - | Correction to RRC P3 TC 8.3.2.13 | F | 5.0.0 | 5.1.0 | R5s050113 |
| RP-28 | | RP-050282 | 1310 | - | Regression Error Report based on wk09 ATS | F | 5.0.0 | 5.1.0 | R5s050114 |
| RP-28 | | RP-050282 | 1311 | - | Summary of regression errors for IR\_U\_wk09. | F | 5.0.0 | 5.1.0 | R5s050110 |
| RP-28 | | RP-050282 | 1312 | - | Correction to RRC P2 TC 8.3.1.21 | F | 5.0.0 | 5.1.0 | R5s050111 |
| RP-28 | | RP-050282 | 1313 | - | Correction to Approved NAS Package 4 TC 12.4.1.4a | F | 5.0.0 | 5.1.0 | R5s050109 |
| RP-28 | | RP-050283 | 1314 | - | Summary of regression errors in the wk09 ATS. | F | 5.0.0 | 5.1.0 | R5s050106 |
| RP-28 | | RP-050282 | 1315 | - | Correction for the MM test step "ts\_GMM\_RAU\_AcceptEPLMN" | F | 5.0.0 | 5.1.0 | R5s050105 |
| RP-28 | | RP-050282 | 1316 | - | Correction to SMS Test Suite for AT Commands | F | 5.0.0 | 5.1.0 | R5s050104 |
| RP-28 | | RP-050282 | 1317 | - | Changes required to support Release 5 | F | 5.0.0 | 5.1.0 | R5s050095 |
| RP-28 | | RP-050282 | 1318 | - | Correction to approved package WI-12 NAS Test case 9\_5\_7\_2 | F | 5.0.0 | 5.1.0 | R5s050103 |
| RP-28 | | RP-050283 | 1319 | - | Correction to approved testcase 8.1.10.1 | F | 5.0.0 | 5.1.0 | R5s050102 |
| RP-28 | | RP-050282 | 1320 | - | Handling of L2 Acknowledgement on GERAN side. | F | 5.0.0 | 5.1.0 | R5s050094 |
| RP-28 | | RP-050282 | 1321 | - | Correction to Approved RRC Package 4 TC 8.3.1.18 | F | 5.0.0 | 5.1.0 | R5s050093 |
| RP-28 | | RP-050282 | 1322 | - | Correction to IR\_U P4 Approved test case 8.3.11.4 | F | 5.0.0 | 5.1.0 | R5s050091 |
| RP-28 | | RP-050282 | 1323 | - | Summary of iWD\_07 regression test errors | F | 5.0.0 | 5.1.0 | R5s050078 |
| RP-28 | | RP-050282 | 1324 | - | Corrections to section 16 SMS test cases to improve AT command handling | F | 5.0.0 | 5.1.0 | R5s050090 |
| RP-28 | | RP-050282 | 1325 | - | Correction to approved GCF P4 test cases 8.1.7.1c | F | 5.0.0 | 5.1.0 | R5s050086 |
| RP-28 | | RP-050282 | 1326 | - | Summary of regression errors in the wk07 ATS. | F | 5.0.0 | 5.1.0 | R5s050088 |
| RP-28 | | RP-050282 | 1327 | - | Correction to approved NAS WI 12 test case 12.4.1.5. | F | 5.0.0 | 5.1.0 | R5s050083 |
| RP-28 | | RP-050282 | 1328 | - | Correction to approved GCF P4 test cases 8.1.7.1d | F | 5.0.0 | 5.1.0 | R5s050087 |
| RP-28 | | RP-050282 | 1329 | - | Correction to approved package 2 NAS Test case 9\_5\_2 | F | 5.0.0 | 5.1.0 | R5s050082 |
| RP-28 | | RP-050282 | 1330 | - | Correction to RRC P1 TC 8.4.1.1, 8.4.1.3 and P3 TC 8.4.1.29 | F | 5.0.0 | 5.1.0 | R5s050065 |
| RP-28 | | RP-050365 | 1331 | - | Revision of RRC WI-14 test case 8.2.3.30 to RRC ATS v5.0.0 | B | 5.0.0 | 5.1.0 | R5s050179 |
| RP-28 | | RP-050365 | 1332 | - | Addition of RRC WI-014 test case 8.2.4.36 to RRC ATS V5.0.0 (Revision of R5s050161) | B | 5.0.0 | 5.1.0 | R5s050199 |
| RP-28 | | RP-050366 | 1333 | 1 | Add new verified and e-mail approved TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 5.0.0 | 5.1.0 | - |
| RP-28 | | RP-050278 | 1334 | - | Correction to specification version references | F | 5.0.0 | 5.1.0 | R5-050639 |
| RP-29 | | RP-050527 | 1334 | - | Addition of WI-10 NAS test case 12.4.2.4 to NAS ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050295 |
| RP-28 | | RP-050278 | 1335 | - | Modifying AT Commands, ASPs, TSOs and PIXITs | F | 5.0.0 | 5.1.0 | R5-050955 |
| RP-29 | | RP-050527 | 1335 | - | Addition of WI12 test case 8.2.1.24 to RRC ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050259 |
| RP-28 | | RP-050278 | 1336 | - | HSDPA ASP Modification | F | 5.0.0 | 5.1.0 | R5-050975 |
| RP-29 | | RP-050527 | 1336 | - | Addition of WI12 test case 8.2.1.34 to RRC ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050261 |
| RP-28 | | RP-050278 | 1337 | - | Modifying G\_L2\_SYSINFO\_REQ ASP | F | 5.0.0 | 5.1.0 | R5-050980 |
| RP-29 | | RP-050527 | 1337 | - | Addition of RRC WI-012 test case 8.2.1.33 to RRC ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050242 |
| RP-28 | | RP-050278 | 1338 | - | CR to 34.123-3 Rel-5: Addition of a new ASP required for test case tc\_8\_1\_7\_1d | F | 5.0.0 | 5.1.0 | R5-050983 |
| RP-29 | | RP-050527 | 1338 | - | Addition of NAS WI-012 test case 12.2.1.11 to NAS ATS V5.0.0 | B | 5.1.0 | 5.2.0 | R5s050236 |
| RP-29 | | RP-050527 | 1339 | - | Addition of WI-10 RRC test case 8.4.1.14 to RRC ATS V5.0.0 | B | 5.1.0 | 5.2.0 | R5s050228 |
| RP-29 | | RP-050527 | 1340 | - | Addition of RRC WI-14 test case 8.2.6.42 to RRC ATS v5.0.0 | B | 5.1.0 | 5.2.0 | R5s050225 |
| RP-29 | | RP-050527 | 1341 | - | Addition of WI-010 (P4) test case 8.3.9.3 to IR\_U ATS V5.0.0 | B | 5.1.0 | 5.2.0 | R5s050219 |
| RP-29 | | RP-050527 | 1342 | - | Addition of RRC WI-010 (P2) test case 8.2.4.1 to RRC ATS V5.0.0 | B | 5.1.0 | 5.2.0 | R5s050210 |
| RP-29 | | RP-050527 | 1343 | - | Addition of RRC WI-014 test case 8.3.1.32 to RRC ATS V5.0.0 | B | 5.1.0 | 5.2.0 | R5s050217 |
| RP-29 | | RP-050527 | 1344 | - | Addition of RRC WI-014 test case 8.2.1.28 to RRC ATS V5.0.0 | B | 5.1.0 | 5.2.0 | R5s050212 |
| RP-29 | | RP-050527 | 1345 | - | Addition of RRC WI-14 test case 8.2.1.32 to RRC ATS v5.0.0 | B | 5.1.0 | 5.2.0 | R5s050206 |
| RP-29 | | RP-050527 | 1346 | - | Addition of RRC WI-14 test case 8.2.1.31 to RRC ATS v5.0.0 | B | 5.1.0 | 5.2.0 | R5s050204 |
| RP-29 | | RP-050527 | 1347 | - | Addition of RRC WI-014 test case 8.2.2.38 to RRC ATS V5.0.0 (Revision of R5s050157) | B | 5.1.0 | 5.2.0 | R5s050197 |
| RP-29 | | RP-050527 | 1348 | - | Addition of WI-010 RRC test case 6.1.2.1 to RRC ATS V5.0.0 | B | 5.1.0 | 5.2.0 | R5s050189 |
| RP-29 | | RP-050527 | 1349 | - | Addition of RRC WI-14 test case 8.2.1.30 to RRC ATS v5.0.0 | B | 5.1.0 | 5.2.0 | R5s050184 |
| RP-29 | | RP-050527 | 1350 | - | Addition of RRC WI-10 test case 8.3.1.23 to RRC ATS V5.0.0 | B | 5.1.0 | 5.2.0 | R5s050175 |
| RP-29 | | RP-050527 | 1351 | - | Addition of RRC WI-14 test case 8.2.1.29 to RRC ATS v5.0.0 | B | 5.1.0 | 5.2.0 | R5s050182 |
| RP-29 | | RP-050527 | 1352 | - | Addition of WI-014 test case 8.3.1.34 to HS\_ENH ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050347 |
| RP-29 | | RP-050527 | 1353 | - | Addition of WI14 test case 8.3.1.35 to HS\_ENH ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050321 |
| RP-29 | | RP-050528 | 1354 | - | Addition of WI14 test case 8.2.6.40 to HS\_ENH ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050323 |
| RP-29 | | RP-050528 | 1355 | - | Addition of WI-014 MAC test case 7.1.5.4 to HS\_ENH ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050318 |
| RP-29 | | RP-050528 | 1356 | - | Addition of WI14 test case 7.1.5.3 to HS\_ENH ATS V5.1.0 | B | 5.1.0 | 5.2.0 | R5s050315 |
| RP-29 | | RP-050528 | 1357 | - | Revision (of R5s0500248) to introduce test case 8\_2\_2\_40 based on wk31 ATS | B | 5.1.0 | 5.2.0 | R5s050339 |
| RP-29 | | RP-050528 | 1358 | - | Revision (of R5s050253) to introduce test case 8\_3\_1\_33 based on wk31 ATS | B | 5.1.0 | 5.2.0 | R5s050341 |
| RP-29 | | RP-050528 | 1359 | - | Revision (of R5s050250) to introduce test case 14\_6\_1 based on wk31 ATS | B | 5.1.0 | 5.2.0 | R5s050345 |
| RP-29 | | RP-050528 | 1360 | - | Addition of WI14 test case 7.1.5.5 to HS\_ENH ATS V5.1.0 (Revision of R5s050276) | B | 5.1.0 | 5.2.0 | R5s050313 |
| RP-29 | | RP-050528 | 1361 | - | Addition of WI14 test case 7.1.5.1 to HS\_ENH ATS V5.1.0 (Revision of R5s050257) | B | 5.1.0 | 5.2.0 | R5s050311 |
| RP-29 | | RP-050528 | 1362 | - | Addition of WI-014 test case 8.2.1.27 to HS\_ENH ATS V5.1.0 (Revision of CR R5s050263) | B | 5.1.0 | 5.2.0 | R5s050307 |
| RP-29 | | RP-050528 | 1363 | - | Addition of WI-014 test case 8.2.6.49 to HS\_ENH ATS V5.1.0 (Revision of R5s050265) | B | 5.1.0 | 5.2.0 | R5s050309 |
| RP-29 | | RP-050528 | 1364 | - | Re-submission of WI-014 test case 8.3.11.9 to HS\_ENH ATS V5.1.0. (Revision of R5s050150). | B | 5.1.0 | 5.2.0 | R5s050349 |
| RP-29 | | RP-050528 | 1365 | - | Addition of WI-014 test case 8.2.2.36 to HS\_ENH ATS V5.1.0 (Revision of CR R5s050267) | B | 5.1.0 | 5.2.0 | R5s050360 |
| RP-29 | | RP-050529 | 1366 | - | Correction required in HSDPA constraint cbr\_108\_RRC\_ConnReq\_r5 | F | 5.1.0 | 5.2.0 | R5s050351 |
| RP-29 | | RP-050529 | 1367 | - | Correction to approved WI-010 MM Test Cases 9\_4\_2\_2\_1 and 9\_4\_2\_2\_2 | F | 5.1.0 | 5.2.0 | R5s050337 |
| RP-29 | | RP-050529 | 1368 | - | Corrections to test step ts\_C4\_CheckCellPCH and ts\_C4\_CheckCellPCH\_r5 | F | 5.1.0 | 5.2.0 | R5s050326 |
| RP-29 | | RP-050529 | 1369 | - | Correction to GCF P1(WI-10) approved RRC test case 8.1.1.2 | F | 5.1.0 | 5.2.0 | R5s050320 |
| RP-29 | | RP-050529 | 1370 | - | Correction required in HSDPA step ts\_RRC\_RAB\_EstPS\_MO\_P25 | F | 5.1.0 | 5.2.0 | R5s050317 |
| RP-29 | | RP-050529 | 1371 | - | Upgrade HSENH ATS to full R5 | F | 5.1.0 | 5.2.0 | R5s050294 |
| RP-29 | | RP-050529 | 1372 | - | Correction to GCF approved RRC test case 8.3.1.18 | F | 5.1.0 | 5.2.0 | R5s050293 |
| RP-29 | | RP-050529 | 1373 | - | Correction asn.1 calculated values. | F | 5.1.0 | 5.2.0 | R5s050255 |
| RP-29 | | RP-050529 | 1374 | - | Corrections to teststep ts\_C5\_CheckURA\_PCH | F | 5.1.0 | 5.2.0 | R5s050280 |
| RP-29 | | RP-050529 | 1375 | - | Correction to approved testcases 8.3.1.5 and 8.3.1.6 | F | 5.1.0 | 5.2.0 | R5s050287 |
| RP-29 | | RP-050529 | 1376 | - | Correction to Inter-RAT Test cases | F | 5.1.0 | 5.2.0 | R5s050288 |
| RP-29 | | RP-050529 | 1377 | - | Correction to the SMS Test Case 16.1.10 and 16.2.10 | F | 5.1.0 | 5.2.0 | R5s050291 |
| RP-29 | | RP-050529 | 1378 | - | Summary of regression errors in the wk27 ATS. | F | 5.1.0 | 5.2.0 | R5s050292 |
| RP-29 | | RP-050529 | 1379 | - | Correction to test step ts\_CRLC\_DL\_CipherCfgRB | F | 5.1.0 | 5.2.0 | R5s050290 |
| RP-29 | | RP-050529 | 1380 | - | Correction to GCF WI-12 approved NAS test case 9.4.5.4.6 | F | 5.1.0 | 5.2.0 | R5s050281 |
| RP-29 | | RP-050529 | 1381 | - | Correction to GCF WI-10 approved IR\_U test case 8.4.1.31 | F | 5.1.0 | 5.2.0 | R5s050289 |
| RP-29 | | RP-050529 | 1382 | - | Corrections to Approved WI10 test case 9.4.5.2 | F | 5.1.0 | 5.2.0 | R5s050282 |
| RP-29 | | RP-050529 | 1383 | - | Correction to GCF WI-10 test case 8.4.1.5 | F | 5.1.0 | 5.2.0 | R5s050234 |
| RP-29 | | RP-050529 | 1384 | - | Correction to the RRC test case 8.4.1.14 | F | 5.1.0 | 5.2.0 | R5s050278 |
| RP-29 | | RP-050529 | 1385 | - | Corrections to teststep ts\_HO\_SS\_ReconfDCH\_HS\_ToFACH used for WI-14 Test Cases | F | 5.1.0 | 5.2.0 | R5s050279 |
| RP-29 | | RP-050530 | 1386 | - | Correction to 8\_1\_x series approved testcases | F | 5.1.0 | 5.2.0 | R5s050271 |
| RP-29 | | RP-050530 | 1387 | - | Correction to test step ts\_RRC\_ReceiveRB\_SetupCmpl to handle IE "Start" for the ciphering path | F | 5.1.0 | 5.2.0 | R5s050272 |
| RP-29 | | RP-050530 | 1388 | - | Correction to approved Inter-RAT IR\_U testcase 8.3.7.13 | F | 5.1.0 | 5.2.0 | R5s050273 |
| RP-29 | | RP-050530 | 1389 | - | Correction to approved testcase 8.2.4.1 | F | 5.1.0 | 5.2.0 | R5s050274 |
| RP-29 | | RP-050530 | 1390 | - | Correction required for WI-010 P4 RRC Testcase 6.1.2.9. | F | 5.1.0 | 5.2.0 | R5s050275 |
| RP-29 | | RP-050530 | 1391 | - | Correction to GCF WI-12 approved RRC test case 8.3.1.30, 8.4.1.6 and NAS test case 12.3.2.7 | F | 5.1.0 | 5.2.0 | R5s050270 |
| RP-29 | | RP-050530 | 1392 | - | Correction to Approved RRC Package 4 TC 8.4.1.33 | F | 5.1.0 | 5.2.0 | R5s050269 |
| RP-29 | | RP-050530 | 1393 | - | Guard timer setting needs to be longer in test case 9.4.2.4 Procedure 2. | F | 5.1.0 | 5.2.0 | R5s050252 |
| RP-29 | | RP-050530 | 1394 | - | Corrections to WI-012 approved testcases 8.2.2.9 & 8.2.6.12 | F | 5.1.0 | 5.2.0 | R5s050246 |
| RP-29 | | RP-050530 | 1395 | - | Corrections to WI-014 approved testcases 8.2.1.28, 8.2.4.36 & 8.2.1.30 | F | 5.1.0 | 5.2.0 | R5s050247 |
| RP-29 | | RP-050530 | 1396 | - | Correction in Approved Test Case 12.2.2.1 of NAS\_wk07.mp in iWD-TVB2003-03\_D05wk07.zip | F | 5.1.0 | 5.2.0 | R5s050245 |
| RP-29 | | RP-050530 | 1397 | - | Correction to GCF WI-12 approved RRC test case 8.1.6.3 | F | 5.1.0 | 5.2.0 | R5s050233 |
| RP-29 | | RP-050530 | 1398 | - | Multiple PICs definitions | F | 5.1.0 | 5.2.0 | R5s050241 |
| RP-29 | | RP-050530 | 1399 | - | ASN.1 changes required for introduction of band V & band VI | F | 5.1.0 | 5.2.0 | R5s050215 |
| RP-29 | | RP-050530 | 1400 | - | Summary of regression errors in the wk21 IR\_U and IR\_G ATS. | F | 5.1.0 | 5.2.0 | R5s050240 |
| RP-29 | | RP-050530 | 1401 | - | Correction to GCF WI-10 and WI-12 IR\_U and IR\_G test cases | F | 5.1.0 | 5.2.0 | R5s050239 |
| RP-29 | | RP-050530 | 1402 | - | Correction to IdleMode P1 TC 6.1.2.1 | F | 5.1.0 | 5.2.0 | R5s050238 |
| RP-29 | | RP-050530 | 1403 | - | Summary of regression errors in the wk21 IR\_U ATS. | F | 5.1.0 | 5.2.0 | R5s050230 |
| RP-29 | | RP-050530 | 1404 | - | Correction to GCF WI-10 test case 8.3.1.1 | F | 5.1.0 | 5.2.0 | R5s050224 |
| RP-29 | | RP-050530 | 1405 | - | Correction to approved WI-010 RRC Test case 6\_1\_2\_1 | F | 5.1.0 | 5.2.0 | R5s050221 |
| RP-29 | | RP-050531 | 1406 | - | Correction to approved WI-010 RRC Test case 6\_1\_2\_9 | F | 5.1.0 | 5.2.0 | R5s050227 |
| RP-29 | | RP-050531 | 1407 | - | Correction to GCF WI-10 test case 8.2.1.10, 8.3.4.1, 8.3.4.2, 12.4.2.5a Proc 2 | F | 5.1.0 | 5.2.0 | R5s050144 |
| RP-29 | | RP-050531 | 1408 | - | Correction to WI 12 approved testcase 8.3.1.30 | F | 5.1.0 | 5.2.0 | R5s050222 |
| RP-29 | | RP-050531 | 1409 | - | Correction to approved testcase 8.2.6.19 and 8.2.6.20 | F | 5.1.0 | 5.2.0 | R5s050223 |
| RP-29 | | RP-050531 | 1410 | - | Correction to GCF high priority MAC test case 7.1.2.4a | F | 5.1.0 | 5.2.0 | R5s050214 |
| RP-29 | | RP-050531 | 1411 | - | Correction to approved testcase 14.2.51b.1 | F | 5.1.0 | 5.2.0 | R5s050209 |
| RP-29 | | RP-050531 | 1412 | - | Correction to approved testcase 8.3.7.12 | F | 5.1.0 | 5.2.0 | R5s050203 |
| RP-29 | | RP-050531 | 1413 | - | Correction to GCF high priority NAS test case 12.4.1.4b | F | 5.1.0 | 5.2.0 | R5s050181 |
| RP-29 | | RP-050531 | 1414 | - | Regression Error Report based on wk19ATS | F | 5.1.0 | 5.2.0 | R5s050202 |
| RP-29 | | RP-050531 | 1415 | - | Summary of regression errors in the wk19 ATS. | F | 5.1.0 | 5.2.0 | R5s050196 |
| RP-29 | | RP-050531 | 1416 | - | Correction to approved testcase 14.2.58 | F | 5.1.0 | 5.2.0 | R5s050194 |
| RP-29 | | RP-050531 | 1417 | - | Correction to WI-12 test case 12.9.7a | F | 5.1.0 | 5.2.0 | R5s050195 |
| RP-29 | | RP-050531 | 1418 | - | Summary of regression errors in the wk19 ATS. | F | 5.1.0 | 5.2.0 | R5s050186 |
| RP-29 | | RP-050531 | 1419 | - | Correction to IE "radioPrioTOM8" in Attach Accept message. | F | 5.1.0 | 5.2.0 | R5s050193 |
| RP-29 | | RP-050531 | 1420 | - | Correction to softhandover test cases in RRC ATS v5.0.0 | F | 5.1.0 | 5.2.0 | R5s050191 |
| RP-29 | | RP-050531 | 1421 | - | Correction to RRC and RAB ATS v5.0.0 – regression errors | F | 5.1.0 | 5.2.0 | R5s050192 |
| RP-29 | | RP-050531 | 1422 | - | Correction of syntax error in approved test cases | F | 5.1.0 | 5.2.0 | R5s050178 |
| RP-29 | | RP-050531 | 1423 | - | Correction to the approved IR\_U test cases 8.4.1.33, 8.4.1.34, 8.4.1.35, 8.4.1.36 and 8.4.1.40. | F | 5.1.0 | 5.2.0 | R5s050187 |
| RP-29 | | RP-050531 | 1424 | - | Correction to RRC Package 2 TC 8.4.1.23 | F | 5.1.0 | 5.2.0 | R5s050188 |
| RP-29 | | RP-050531 | 1425 | - | Correction to RRC P4 TC 8.4.1.41 | F | 5.1.0 | 5.2.0 | R5s050172 |
| RP-29 | | RP-050532 | 1426 | - | Correction to approved testcase 14.2.38c and 14.2.40 | F | 5.1.0 | 5.2.0 | R5s050177 |
| RP-29 | | RP-050532 | 1427 | - | Summary of regression errors in the wk31 ATS. | F | 5.1.0 | 5.2.0 | R5s050354 |
| RP-29 | | RP-050532 | 1428 | - | Corrections to Approved Test case 8\_2\_1\_29 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050327 |
| RP-29 | | RP-050532 | 1429 | - | Corrections to Approved test case 8\_2\_1\_30 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050329 |
| RP-29 | | RP-050532 | 1430 | - | Corrections to Approved test case 8\_2\_1\_31 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050331 |
| RP-29 | | RP-050532 | 1431 | - | Corrections to Approved test case 8\_2\_1\_32 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050333 |
| RP-29 | | RP-050532 | 1432 | - | Corrections to Approved test case 8\_2\_6\_42 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050335 |
| RP-29 | | RP-050532 | 1433 | - | Corrections to Approved test case 8\_2\_3\_30 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050343 |
| RP-29 | | RP-050532 | 1434 | - | Corrections to Approved Testcase 8\_2\_1\_28 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050297 |
| RP-29 | | RP-050532 | 1435 | - | Corrections to Approved Testcase 8\_2\_2\_38 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050299 |
| RP-29 | | RP-050532 | 1436 | - | Corrections to Approved Testcase 8\_2\_3\_30 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050301 |
| RP-29 | | RP-050532 | 1437 | - | Corrections to Approved Testcase 8\_2\_4\_36 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050303 |
| RP-29 | | RP-050532 | 1438 | - | Corrections to Approved Testcase 8\_3\_1\_32 based on wk31 ATS | F | 5.1.0 | 5.2.0 | R5s050305 |
| RP-29 | | RP-050562 | 1439 | - | Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A. | F | 5.1.0 | 5.2.0 | - |
| RP-29 | | RP-050526 | 1440 | - | Clarifying L2 Tests - Update TSOs and PIXITs – New configurations for WI-13/14 TCs | F | 5.1.0 | 5.2.0 | R5-051510 |
| RP-30 | | RP-050713 | 1441 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 5.2.0 | 5.3.0 | - |
| RP-30 | | RP-050766 | 1442 | - | Addition of GCF WI-015 AGPS test case 17.2.4.7 to AGPS ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050480 |
| RP-30 | | RP-050766 | 1443 | - | Addition of GCF WI-015 AGPS test case 17.2.4.6 to AGPS ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050478 |
| RP-30 | | RP-050766 | 1444 | - | Addition of GCF WI-015 AGPS test case 17.2.4.10 to AGPS ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050476 |
| RP-30 | | RP-050766 | 1445 | - | Addition of GCF WI-015 AGPS test case 17.2.4.3 to RLC ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050419 |
| RP-30 | | RP-050766 | 1446 | - | Addition of GCF WI-015 AGPS test case 17.2.4.1 to RLC ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050410 |
| RP-30 | | RP-050768 | 1447 | - | Addition of GCF WI-14/2 test case 8.2.3.32 to HS\_ENH ATS V5.2.0 (Revision of R5s050451) | B | 5.2.0 | 5.3.0 | R5s050495 |
| RP-30 | | RP-050768 | 1448 | - | Addition of GCF WI-14/2 test case 8.2.3.34 to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050449 |
| RP-30 | | RP-050768 | 1449 | - | Addition of GCF WI-014 test case 8.2.2.41 to HS\_ENH ATS V5.2.0 (Revision of R5s050455) | B | 5.2.0 | 5.3.0 | R5s050466 |
| RP-30 | | RP-050768 | 1450 | - | Addition of GCF WI-014 RAB test case 14.6.3a to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050464 |
| RP-30 | | RP-050768 | 1451 | - | Addition of GCF WI-014 RAB test case 14.6.3 to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050462 |
| RP-30 | | RP-050768 | 1452 | - | Addition of GCF WI-014 test case 8.3.4.9 to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050457 |
| RP-30 | | RP-050768 | 1453 | - | Addition of GCF WI-014 test case 8.2.3.31 to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050444 |
| RP-30 | | RP-050768 | 1454 | - | Addition of GCF WI-014 RAB test case 14.6.2 to HS\_ENH ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050424 |
| RP-30 | | RP-050768 | 1455 | - | Additional Changes to GCF WI-014 test case 8.3.1.37 | B | 5.2.0 | 5.3.0 | R5s050421 |
| RP-30 | | RP-050768 | 1456 | - | Addition of GCF WI-014 test case 8.3.11.10 to RRC ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050412 |
| RP-30 | | RP-050768 | 1457 | - | Addition of GCF WI-014 test case 8.2.3.35 to HS\_ENH ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050407 |
| RP-30 | | RP-050768 | 1458 | - | Addition of GCF WI-14/2 test case 8.2.6.46 to HS\_ENH ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050405 |
| RP-30 | | RP-050768 | 1459 | - | Addition of GCF WI-14/2 test case 8.2.6.41 to HS\_ENH ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050403 |
| RP-30 | | RP-050768 | 1460 | - | Addition of GCF WI-14/2 test case 8.3.1.36 to HS\_ENH ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050385 |
| RP-30 | | RP-050768 | 1461 | - | Addition of RRC GCF WI-14 test case 7.1.5.6 to RRC ATS v5.1.0 | B | 5.2.0 | 5.3.0 | R5s050379 |
| RP-30 | | RP-050775 | 1462 | - | Addition of BMC GCF WI-10/3 test case 14.4.4 to RAB ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050401 |
| RP-30 | | RP-050775 | 1463 | - | Revision of R5s050442 - Addition of GCF WI-10 Idle Mode Test Case 6.1.1.4 to RRC ATS 5.2.0 | B | 5.2.0 | 5.3.0 | R5s050453 |
| RP-30 | | RP-050775 | 1464 | - | Addition of NAS GCF WI-12 test case 9.4.3.3 to NAS ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050416 |
| RP-30 | | RP-050775 | 1465 | - | Addition of Cell Broadcast GCF WI-12 test case 16.3 to SMS ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050399 |
| RP-30 | | RP-050775 | 1466 | - | Addition of NAS GCF WI-10 P4 test case 12.9.12 to NAS ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050395 |
| RP-30 | | RP-050775 | 1467 | - | Addition of NAS GCF WI-12 test case 9.4.2.4 proc 4 to NAS ATS V5.1.0 | B | 5.2.0 | 5.3.0 | R5s050231 |
| RP-30 | | RP-050778 | 1468 | - | Addition of GCF WI-013 RRC test case 8.1.2.15 to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050473 |
| RP-30 | | RP-050778 | 1469 | - | Addition of GCF WI-013 RRC test case 8.1.2.14 to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050471 |
| RP-30 | | RP-050778 | 1470 | - | Addition of GCF WI-013 test case 8.3.11.13 to HS\_ENH\_r5 ATS V5.2.0. | B | 5.2.0 | 5.3.0 | R5s050437 |
| RP-30 | | RP-050778 | 1471 | - | Addition of GCF WI-13 RRC test case 8.1.6.5 to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050497 |
| RP-30 | | RP-050778 | 1472 | - | Addition of GCF WI-013 RRC test case 8.3.1.40 to HS\_ENH ATS V5.2.0 | B | 5.2.0 | 5.3.0 | R5s050500 |
| RP-30 | | RP-050768 | 1473 | - | Removal of use of deprecated alternative value in RRC Connection Release message (Cell DCH) in HS\_ENH suite | F | 5.2.0 | 5.3.0 | R5s050487 |
| RP-30 | | RP-050768 | 1474 | - | Removal of use of deprecated alternative value in RRC Connection Setup message (Cell FACH) in HS\_ENH suite | F | 5.2.0 | 5.3.0 | R5s050489 |
| RP-30 | | RP-050768 | 1475 | - | Correction to GCF WI-14/2 HSDPA RRC test case 8.3.1.37 | F | 5.2.0 | 5.3.0 | R5s050492 |
| RP-30 | | RP-050768 | 1476 | - | Additional changes required for addition of GCF WI-014 test case 8.3.11.10 to RRC ATS V5.2.0. | F | 5.2.0 | 5.3.0 | R5s050460 |
| RP-30 | | RP-050768 | 1477 | - | Correction to GCF WI-14/2 testcase 8.3.1.36 | F | 5.2.0 | 5.3.0 | R5s050439 |
| RP-30 | | RP-050768 | 1478 | - | Corrections to GCF WI-014/1 test cases 8.3.1.34 | F | 5.2.0 | 5.3.0 | R5s050427 |
| RP-30 | | RP-050768 | 1479 | - | Correction to RRC HSDPA testcase 8.2.2.40 | F | 5.2.0 | 5.3.0 | R5s050431 |
| RP-30 | | RP-050773 | 1480 | - | Removal of use of deprecated alternative value in RRC Connection Release message (Cell DCH) in all GCF WI-10 and WI-12 test suites | F | 5.2.0 | 5.3.0 | R5s050488 |
| RP-30 | | RP-050773 | 1481 | - | Correction to GCF WI-12 RRC test case 8.4.1.6 | F | 5.2.0 | 5.3.0 | R5s050486 |
| RP-30 | | RP-050773 | 1482 | - | Corrections to RLC test cases to add check for the PIXIT px\_CipheringOnOff | F | 5.2.0 | 5.3.0 | R5s050485 |
| RP-30 | | RP-050773 | 1483 | - | Removal of use of deprecated alternative value in RRC Connection Setup message (Cell FACH) in all GCF WI-10 and WI-12 test suites | F | 5.2.0 | 5.3.0 | R5s050490 |
| RP-30 | | RP-050773 | 1484 | - | Correction to the GCF WI-10 NAS test case 12.2.1.2 | F | 5.2.0 | 5.3.0 | R5s050491 |
| RP-30 | | RP-050773 | 1485 | - | Correction to GCF WI-10 MAC test case 7.1.2.3.1 | F | 5.2.0 | 5.3.0 | R5s050494 |
| RP-30 | | RP-050773 | 1486 | - | Correction to GCF WI-10 Idle Mode Test Case 6.1.2.1 | F | 5.2.0 | 5.3.0 | R5s050469 |
| RP-30 | | RP-050773 | 1487 | - | Corrections required to GCF WI-10 approved test case 8.3.1.18 | F | 5.2.0 | 5.3.0 | R5s050448 |
| RP-30 | | RP-050773 | 1488 | - | Corrections required to GCF WI-14 approved HSDPA test cases | F | 5.2.0 | 5.3.0 | R5s050435 |
| RP-30 | | RP-050773 | 1489 | - | TTCN correction to RRC TC 8.2.4.1 | F | 5.2.0 | 5.3.0 | R5s050436 |
| RP-30 | | RP-050773 | 1490 | - | Corrections required to GCF W-I10 approved test case 8.4.1.40 | F | 5.2.0 | 5.3.0 | R5s050434 |
| RP-30 | | RP-050773 | 1491 | - | Correction to the NAS Test Case 12.9.7a | F | 5.2.0 | 5.3.0 | R5s050429 |
| RP-30 | | RP-050773 | 1492 | - | Correction to the IR\_U Test Case 8.3.7.3 | F | 5.2.0 | 5.3.0 | R5s050430 |
| RP-30 | | RP-050773 | 1493 | - | Correction to MultiRAB Test Cases | F | 5.2.0 | 5.3.0 | R5s050432 |
| RP-30 | | RP-050773 | 1494 | - | Correction to GCF WI-10/2 RRC test case 8.3.1.21 | F | 5.2.0 | 5.3.0 | R5s050426 |
| RP-30 | | RP-050773 | 1495 | - | Summary of regression errors in the wk38 ATS | F | 5.2.0 | 5.3.0 | R5s050428 |
| RP-30 | | RP-050773 | 1496 | - | Summary of regression errors in wk38 of RRC ATS | F | 5.2.0 | 5.3.0 | R5s050414 |
| RP-30 | | RP-050773 | 1497 | - | Correction in TTCN for test case 7.2.3.19 | F | 5.2.0 | 5.3.0 | R5s050415 |
| RP-30 | | RP-050773 | 1498 | - | Regression Error report based on wk36 ATS | F | 5.2.0 | 5.3.0 | R5s050409 |
| RP-30 | | RP-050773 | 1499 | - | Summary of regression results for wk36 version of IR\_U ATS V5.1.0 | F | 5.2.0 | 5.3.0 | R5s050384 |
| RP-30 | | RP-050774 | 1500 | - | Corrections required to GCF WI-10 approved test cases 6.2.1.7 and 6.2.1.8 | F | 5.2.0 | 5.3.0 | R5s050394 |
| RP-30 | | RP-050774 | 1501 | - | Corrections required to GCF WI-10 approved test cases 8.3.7.5, 8.3.7.7 and 8.3.7.12 | F | 5.2.0 | 5.3.0 | R5s050397 |
| RP-30 | | RP-050774 | 1502 | - | Correction to teststep ts\_RRC\_NAS\_SessionActPS\_MO\_DCH\_ToFACH. | F | 5.2.0 | 5.3.0 | R5s050390 |
| RP-30 | | RP-050774 | 1503 | - | Correction to GCF WI-10/4 RRC test case 8.1.3.9 | F | 5.2.0 | 5.3.0 | R5s050378 |
| RP-30 | | RP-050774 | 1504 | - | Summary of regression errors in the wk36 ATS | F | 5.2.0 | 5.3.0 | R5s050391 |
| RP-30 | | RP-050774 | 1505 | - | Summary of regression errors in the wk36 IR\_U ATS. | F | 5.2.0 | 5.3.0 | R5s050392 |
| RP-30 | | RP-050774 | 1506 | - | Correction to HS\_ENH\_wk36 – Regression errors | F | 5.2.0 | 5.3.0 | R5s050389 |
| RP-30 | | RP-050774 | 1507 | - | Correction to GCF WI-12 RRC test case 8.4.1.6 | F | 5.2.0 | 5.3.0 | R5s050376 |
| RP-30 | | RP-050774 | 1508 | - | Correction to Inter-RAT IR\_U test case 8.3.11.4 | F | 5.2.0 | 5.3.0 | R5s050377 |
| RP-30 | | RP-050774 | 1509 | - | Correction to generic procedure C.1 (Idle mode check) | F | 5.2.0 | 5.3.0 | R5s050375 |
| RP-30 | | RP-050774 | 1510 | - | Summary of regression errors in the wk31 ATS | F | 5.2.0 | 5.3.0 | R5s050367 |
| RP-30 | | RP-050774 | 1511 | - | Correction to the test case 14.2.43.1 | F | 5.2.0 | 5.3.0 | R5s050368 |
| RP-30 | | RP-050774 | 1512 | - | Correction to the NAS Test Case 12.9.13 | F | 5.2.0 | 5.3.0 | R5s050374 |
| RP-30 | | RP-050774 | 1513 | - | Correction to all approved Test Cases using ciphering | F | 5.2.0 | 5.3.0 | R5s050373 |
| RP-30 | | RP-050774 | 1514 | - | Corrections required for approved GCF WI-10 RRC test cases 8.3.1.21 and 8.3.2.11 | F | 5.2.0 | 5.3.0 | R5s050369 |
| RP-30 | | RP-050774 | 1515 | - | Corrections required for approved GCF WI-10 NAS test cases 9.4.2.3 and 9.4.2.5 | F | 5.2.0 | 5.3.0 | R5s050370 |
| RP-30 | | RP-050774 | 1516 | - | Summary of regression errors in the wk31 ATS Batch 2. | F | 5.2.0 | 5.3.0 | R5s050372 |
| RP-30 | | RP-050774 | 1517 | - | Correction to GCF WI-010 test case 6.1.2.1 for manual attach UE | F | 5.2.0 | 5.3.0 | R5s050366 |
| RP-30 | | RP-050774 | 1518 | - | Correction to agreed testcase 8.2.6.8 | F | 5.2.0 | 5.3.0 | R5s050357 |
| RP-30 | | RP-050774 | 1519 | - | Correction to agreed IR\_U\_wk31 MRAT testcases 8.3.9.1 and 8.3.9.5 | F | 5.2.0 | 5.3.0 | R5s050358 |
| RP-30 | | RP-050775 | 1520 | - | Correction to P1 NAS Test Case 11.3.1 for AT command confirmation | F | 5.2.0 | 5.3.0 | R5s050359 |
| RP-30 | | RP-050775 | 1521 | - | Correction of the NAS Test Case 12.9.14 | F | 5.2.0 | 5.3.0 | R5s050362 |
| RP-30 | | RP-050775 | 1522 | - | Correction to the test step ts\_RRC\_ReceiveRB\_RelCmpl | F | 5.2.0 | 5.3.0 | R5s050363 |
| RP-30 | | RP-050775 | 1523 | - | Corrections required for QOS constraint in R99 ATS | F | 5.2.0 | 5.3.0 | R5s050364 |
| RP-30 | | RP-050775 | 1524 | - | Corrections required for QOS constraint in HSDPA/Rel-5 enhancement ATS | F | 5.2.0 | 5.3.0 | R5s050365 |
| RP-30 | | RP-050775 | 1525 | - | Summary of regression errors in the wk42 ATS. | F | 5.2.0 | 5.3.0 | R5s050499 |
| RP-30 | | RP-050775 | 1526 | - | Correction to Approved RRC TC 8.3.11.1 | F | 5.2.0 | 5.3.0 | R5s050459 |
| RP-30 | | RP-050769 | 1527 | - | Update PIXIT and TSO, clarifications of a TSO and an AT / MMI commands in 34.123-3 | F | 5.2.0 | 5.3.0 | R5-052110 |
| RP-30 | | RP-050775 | 1528 | - | Correction to iWD\_wk38 IR\_U ATS | F | 5.2.0 | 5.3.0 | R5s050470 |
| RP-31 | | RP-060158 | 1529 | - | Addition of GCF WI-015 AGPS test case 17.2.2.1 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050561 |
| RP-31 | | RP-060158 | 1530 | - | Addition of GCF WI-015 AGPS test case 17.2.2.2 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050563 |
| RP-31 | | RP-060158 | 1531 | - | Addition of GCF WI-015 AGPS test case 17.2.2.3 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050565 |
| RP-31 | | RP-060158 | 1532 | - | Addition of GCF WI-015 AGPS test case 17.2.2.4 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050587 |
| RP-31 | | RP-060158 | 1533 | - | Addition of GCF WI-015 AGPS test case 17.2.3.2 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050567 |
| RP-31 | | RP-060158 | 1534 | - | Addition of GCF WI-015 AGPS test case 17.2.3.3 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050589 |
| RP-31 | | RP-060158 | 1535 | - | Addition of GCF WI-015 AGPS test case 17.2.3.4 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050591 |
| RP-31 | | RP-060158 | 1536 | - | Addition of GCF WI-015 AGPS test case 17.2.3.8 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050593 |
| RP-31 | | RP-060158 | 1537 | - | Addition of GCF WI-015 AGPS test case 17.2.3.9 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050569 |
| RP-31 | | RP-060158 | 1538 | - | Addition of GCF WI-015 AGPS test case 17.2.4.2 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050595 |
| RP-31 | | RP-060158 | 1539 | - | Addition of GCF WI-015 AGPS test case 17.2.4.4 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050572 |
| RP-31 | | RP-060158 | 1540 | - | Addition of GCF WI-015 AGPS test case 17.2.4.5 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050574 |
| RP-31 | | RP-060158 | 1541 | - | Addition of GCF WI-015 AGPS test case 17.2.4.8 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050576 |
| RP-31 | | RP-060158 | 1542 | - | Addition of GCF WI-015 AGPS test case 17.2.4.9 to AGPS ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050578 |
| RP-31 | | RP-060148 | 1543 | - | Addition of GCF WI-014 RAB test case 14.6.4 to HS\_ENH ATS V5.3.0 | B | 5.3.0 | 5.4.0 | R5s050604 |
| RP-31 | | RP-060148 | 1544 | - | Addition of GCF WI-014 RAB test case 14.6.4a to HS\_ENH ATS V5.3.0 | B | 5.3.0 | 5.4.0 | R5s050606 |
| RP-31 | | RP-060148 | 1545 | - | Addition of GCF WI-014 RAB test case 14.6.5 to HS\_ENH ATS V5.3.0 | B | 5.3.0 | 5.4.0 | R5s050608 |
| RP-31 | | RP-060148 | 1546 | - | Addition of GCF WI-014 RAB test case 14.6.5a to HS\_ENH ATS V5.3.0 | B | 5.3.0 | 5.4.0 | R5s050610 |
| RP-31 | | RP-060148 | 1547 | - | Addition of GCF WI-014/1 test case 7.1.5.2 to HS\_ENH ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050534 |
| RP-31 | | RP-060148 | 1548 | - | Addition of RRC GCF WI-14 test case 8.2.2.39 to RRC ATS v5.2.0 | B | 5.3.0 | 5.4.0 | R5s050510 |
| RP-31 | | RP-060148 | 1549 | - | Addition of GCF WI-014 test case 8.2.2.42 to HS\_ENH ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050536 |
| RP-31 | | RP-060148 | 1550 | - | Addition of GCF WI-014/2 test case 8.2.3.33 to HS\_ENH ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050540 |
| RP-31 | | RP-060148 | 1551 | - | Addition of GCF WI-014 RRC test case 8.2.6.39a to HS\_ENH ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050516 |
| RP-31 | | RP-060148 | 1552 | - | Addition of GCF WI-014 RRC test case 8.2.6.39b to HS\_ENH ATS V5.3.0 | B | 5.3.0 | 5.4.0 | R5s050598 |
| RP-31 | | RP-060148 | 1553 | - | Addition of GCF WI 14/2 test case 8.3.7.14 to HS\_ENH ATS V5.3.0 | B | 5.3.0 | 5.4.0 | R5s050618 |
| RP-31 | | RP-060158 | 1554 | - | Addition of GCF WI-10/1 test case 6.1.2.2 to RRC ATS v5.2.0 | B | 5.3.0 | 5.4.0 | R5s050556 |
| RP-31 | | RP-060158 | 1555 | - | Addition of RRC GCF WI-10 test case 6.1.2.3 to RRC ATS v5.3.0 | B | 5.3.0 | 5.4.0 | R5s050614 |
| RP-31 | | RP-060158 | 1556 | - | Addition of GCF WI-10 Idle Mode test case 6.1.2.5 | B | 5.3.0 | 5.4.0 | R5s060017 |
| RP-31 | | RP-060158 | 1557 | - | Addition of GCF WI-10 RRC test case 6.1.2.6 to RRC ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050584 |
| RP-31 | | RP-060158 | 1558 | - | Addition of GCF WI-10/2 RRC test case 6.1.2.8 to RRC ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050547 |
| RP-31 | | RP-060158 | 1559 | - | Addition of GCF WI-010/2 test case 6.2.2.3 to IR\_U ATS V5.2.0 | B | 5.3.0 | 5.4.0 | R5s050483 |
| RP-31 | | RP-060158 | 1560 | - | Addition of GCF WI-12 test case 8.4.1.48 | B | 5.3.0 | 5.4.0 | R5s050612 |
| RP-31 | | RP-060165 | 1561 | - | Addition of GCF WI-13 test case 6.1.2.10 | B | 5.3.0 | 5.4.0 | R5s060013 |
| RP-31 | | RP-060165 | 1562 | - | Addition of GCF WI-013 RRC test case 8.3.1.38 to HS\_ENH ATS V5.3.0 | B | 5.3.0 | 5.4.0 | R5s050600 |
| RP-31 | | RP-060165 | 1563 | - | Addition of GCF WI-013 RRC test case 8.3.1.39 to HS\_ENH ATS V5.3.0 | B | 5.3.0 | 5.4.0 | R5s050602 |
| RP-31 | | RP-060149 | 1564 | - | Summary of regression errors in the wk03 HSD\_ENH ATS | F | 5.3.0 | 5.4.0 | R5s060011 |
| RP-31 | | RP-060149 | 1565 | - | Corrections to GCF WI-014 RAB testcases 14.6.4 and 14.6.4a | F | 5.3.0 | 5.4.0 | R5s060038 |
| RP-31 | | RP-060149 | 1566 | - | Corrections to Approved GCF WI-014 RRC testcases 8.2.3.33 | F | 5.3.0 | 5.4.0 | R5s060035 |
| RP-31 | | RP-060149 | 1567 | - | Summary of regression errors in wk03 HSDPA ATS. | F | 5.3.0 | 5.4.0 | R5s060030 |
| RP-31 | | RP-060149 | 1568 | - | Wk49 regression errors in HS\_ENH ATS | F | 5.3.0 | 5.4.0 | R5s050623 |
| RP-31 | | RP-060149 | 1569 | - | Summary of regression errors in the wk49 HS\_ENH ATS | F | 5.3.0 | 5.4.0 | R5s050621 |
| RP-31 | | RP-060149 | 1570 | - | Summary of regression errors in the wk49 HS\_ENH ATS | F | 5.3.0 | 5.4.0 | R5s050617 |
| RP-31 | | RP-060149 | 1571 | - | Correction to GCF WI14 test case 8.3.4.9 | F | 5.3.0 | 5.4.0 | R5s050620 |
| RP-31 | | RP-060149 | 1572 | - | Summary of regression errors in the wk49 HS\_ENH ATS | F | 5.3.0 | 5.4.0 | R5s050581 |
| RP-31 | | RP-060149 | 1573 | - | Correction to GCF WI14 test case 14.6.1 and 14.6.2 | F | 5.3.0 | 5.4.0 | R5s050560 |
| RP-31 | | RP-060149 | 1574 | - | Summary of regression errors in the wk47 HS\_ENH ATS | F | 5.3.0 | 5.4.0 | R5s050532 |
| RP-31 | | RP-060149 | 1575 | - | Summary of regression errors in the wk47 HSDPA ATS | F | 5.3.0 | 5.4.0 | R5s050550 |
| RP-31 | | RP-060149 | 1576 | - | Summary of regression errors in the HSENH\_r5\_wk42 ATS. | F | 5.3.0 | 5.4.0 | R5s050529 |
| RP-31 | | RP-060149 | 1577 | - | Correction to GCF WI-014/2 test case 8.2.2.41 | F | 5.3.0 | 5.4.0 | R5s050525 |
| RP-31 | | RP-060149 | 1578 | - | Summary of regression errors in the wk42 HS\_ENH ATS | F | 5.3.0 | 5.4.0 | R5s050513 |
| RP-31 | | RP-060149 | 1579 | - | Corrections to Testcase 8.3.1.35 | F | 5.3.0 | 5.4.0 | R5s050518 |
| RP-31 | | RP-060149 | 1580 | - | Update to HS\_ENH\_r5 ATS to allow 64k uplink data rate to be tested for RRC Testcases. | F | 5.3.0 | 5.4.0 | R5s050519 |
| RP-31 | | RP-060149 | 1581 | - | Errors identified in RAB HSDPA testcases in wk42 ATS. | F | 5.3.0 | 5.4.0 | R5s050520 |
| RP-31 | | RP-060149 | 1582 | - | Summary of regression errors in the wk42 HSDPA ATS | F | 5.3.0 | 5.4.0 | R5s050503 |
| RP-31 | | RP-060159 | 1583 | - | Correction to GCF WI-10 test case 8.4.1.14 | F | 5.3.0 | 5.4.0 | R5s050512 |
| RP-31 | | RP-060159 | 1584 | - | TTCN correction to Approved RRC TCs 8.3.4.1, 8.3.4.2 and 8.3.4.3 | F | 5.3.0 | 5.4.0 | R5s060044 |
| RP-31 | | RP-060159 | 1585 | - | Summary of regression errors in wk03 RRC and RAB ATS. | F | 5.3.0 | 5.4.0 | R5s060042 |
| RP-31 | | RP-060159 | 1586 | - | Correction of GCF WI-10 RRC test case 8.4.1.2,8.4.1.24,8.4.1.25 | F | 5.3.0 | 5.4.0 | R5s060043 |
| RP-31 | | RP-060159 | 1587 | - | Summary of regression errors in the wk03 GCF WI-10 and GCF WI-12 ATS | F | 5.3.0 | 5.4.0 | R5s060010 |
| RP-31 | | RP-060159 | 1588 | - | Correction to GCF WI-10 RRC Test Case 6.1.1.4 | F | 5.3.0 | 5.4.0 | R5s060024 |
| RP-31 | | RP-060159 | 1589 | - | Correction to GCF WI-12 Testcase 9.4.5.4.6 | F | 5.3.0 | 5.4.0 | R5s060025 |
| RP-31 | | RP-060159 | 1590 | - | Correction to GCF WI-10 NAS Test Case 12.4.1.4a | F | 5.3.0 | 5.4.0 | R5s060040 |
| RP-31 | | RP-060159 | 1591 | - | Correction of GCF WI-10 RRC test case 8.1.7.1d | F | 5.3.0 | 5.4.0 | R5s060039 |
| RP-31 | | RP-060159 | 1592 | - | Corrections to approved GCF WI-12/1 Inter-RAT test case 8.4.1.48 | F | 5.3.0 | 5.4.0 | R5s060029 |
| RP-31 | | RP-060159 | 1593 | - | Corrections to approved GCF WI-10/3 InterRAT test case 8.4.1.31 | F | 5.3.0 | 5.4.0 | R5s060028 |
| RP-31 | | RP-060159 | 1594 | - | Corrections to GCF WI-012 GMM testcase 12.9.9 | F | 5.3.0 | 5.4.0 | R5s060037 |
| RP-31 | | RP-060159 | 1595 | - | Corrections to Approved GCF WI-012 RRC testcases 8.2.1.24 & 8.2.1.34 | F | 5.3.0 | 5.4.0 | R5s060036 |
| RP-31 | | RP-060159 | 1596 | - | Correction of GCF WI-10 RRC test case 8.4.1.26 | F | 5.3.0 | 5.4.0 | R5s060033 |
| RP-31 | | RP-060159 | 1597 | - | Correction of GCF WI-12 MM test case 9.4.3.3 | F | 5.3.0 | 5.4.0 | R5s060032 |
| RP-31 | | RP-060159 | 1598 | - | Summary of regression errors in wk49 ATS. | F | 5.3.0 | 5.4.0 | R5s060009 |
| RP-31 | | RP-060159 | 1599 | - | Correction to GCF WI-12 RLC Test Case 7.2.3.35 | F | 5.3.0 | 5.4.0 | R5s060008 |
| RP-31 | | RP-060159 | 1600 | - | Correction to GCF WI-10 test case 6.1.2.9 | F | 5.3.0 | 5.4.0 | R5s060007 |
| RP-31 | | RP-060159 | 1601 | - | Correction to GCF WI-10 test case 8.1.3.9 | F | 5.3.0 | 5.4.0 | R5s060003 |
| RP-31 | | RP-060159 | 1602 | - | Summary of regression errors in the wk49 IR\_U ATS. | F | 5.3.0 | 5.4.0 | R5s060006 |
| RP-31 | | RP-060160 | 1603 | - | Summary of regression errors in the wk47 ATS. | F | 5.3.0 | 5.4.0 | R5s050551 |
| RP-31 | | RP-060160 | 1604 | - | TTCN correction to Approved GMM TC 12.4.2.4 | F | 5.3.0 | 5.4.0 | R5s060004 |
| RP-31 | | RP-060160 | 1605 | - | Corrections to GCF WI-012 approved testcases 9.4.3.3 | F | 5.3.0 | 5.4.0 | R5s060002 |
| RP-31 | | RP-060160 | 1606 | - | Correction to GCF WI-10 RRC Test Case 8.1.7.1c | F | 5.3.0 | 5.4.0 | R5s060001 |
| RP-31 | | RP-060160 | 1607 | - | TTCN Correction for GCF WI-10 RRC test case 6.1.2.8 | F | 5.3.0 | 5.4.0 | R5s050586 |
| RP-31 | | RP-060160 | 1608 | - | TTCN correction to Approved IRAT TCs 8.3.7.1, 8.3.7.2, 8.3.7.3, 8.3.7.4, 8.3.7.13, 8.3.7.16 and 8.3.11.1 . | F | 5.3.0 | 5.4.0 | R5s050622 |
| RP-31 | | RP-060160 | 1609 | - | Correction to approved RRC test cases 8.1.6.3, 8.4.1.1, 8.4.1.3 and 8.4.1.29 on Wk49 ATS | F | 5.3.0 | 5.4.0 | R5s050571 |
| RP-31 | | RP-060160 | 1610 | - | Correction to GCF WI 10 RLC testcase 7.2.2.2 | F | 5.3.0 | 5.4.0 | R5s050583 |
| RP-31 | | RP-060160 | 1611 | - | Summary of regression errors in the wk49 GCF WI-10 and GCF WI-12 ATS | F | 5.3.0 | 5.4.0 | R5s050580 |
| RP-31 | | RP-060160 | 1612 | - | Corrections to approved GCF WI-010 / GCF WI-012 test cases 14.2.51b.1 and 14.2.58a | F | 5.3.0 | 5.4.0 | R5s050597 |
| RP-31 | | RP-060160 | 1613 | - | TTCN correction to Approved IRAT TC 8.3.7.16 | F | 5.3.0 | 5.4.0 | R5s050552 |
| RP-31 | | RP-060160 | 1614 | - | Correction to GCF WI-10 approved RRC Test Case 8.1.7.1d | F | 5.3.0 | 5.4.0 | R5s050582 |
| RP-31 | | RP-060160 | 1615 | - | Correction to GCF Test Case 8.4.1.2, 8.4.1.24, 8.4.1.25, 8.4.1.6, 8.4.1.8 and HSDPA Test Cases | F | 5.3.0 | 5.4.0 | R5s050545 |
| RP-31 | | RP-060160 | 1616 | - | Summary of regression errors in the wk47 GCF WI-10 and GCF WI-12 ATS | F | 5.3.0 | 5.4.0 | R5s050533 |
| RP-31 | | RP-060160 | 1617 | - | Correction to the GCF WI 10 testcase 7.2.3.13 | F | 5.3.0 | 5.4.0 | R5s050538 |
| RP-31 | | RP-060160 | 1618 | - | Correction to GCF WI 10 MAC test case 7.1.2.3.1 | F | 5.3.0 | 5.4.0 | R5s050539 |
| RP-31 | | RP-060160 | 1619 | - | Correction to IR\_U test cases 8.3.7.1, 8.3.7.2, 8.3.7.3, 8.3.7.12 and 8.3.7.16 | F | 5.3.0 | 5.4.0 | R5s050493 |
| RP-31 | | RP-060160 | 1620 | - | Correction to GCF WI 10 test case 7.1.2.4a | F | 5.3.0 | 5.4.0 | R5s050555 |
| RP-31 | | RP-060160 | 1621 | - | Corrections to GCF WI-012 approved test case 16.3 | F | 5.3.0 | 5.4.0 | R5s050554 |
| RP-31 | | RP-060160 | 1622 | - | Correction to approved GCF WI-010 Test Case 16.1.1 | F | 5.3.0 | 5.4.0 | R5s050549 |
| RP-31 | | RP-060161 | 1623 | - | TTCN correction to Approved RRC TC 8.1.2.7 | F | 5.3.0 | 5.4.0 | R5s050553 |
| RP-31 | | RP-060161 | 1624 | - | Correction to GCF WI-10 RRC Test Case 8.3.1.18 | F | 5.3.0 | 5.4.0 | R5s050543 |
| RP-31 | | RP-060161 | 1625 | - | Correction to GCF WI-10 RRC Test Case 8.1.1.9 | F | 5.3.0 | 5.4.0 | R5s050544 |
| RP-31 | | RP-060161 | 1626 | - | Correction to GCF WI-12 test case 8.1.6.3 | F | 5.3.0 | 5.4.0 | R5s050531 |
| RP-31 | | RP-060161 | 1627 | - | Summary of regression errors in the wk42 ATS. | F | 5.3.0 | 5.4.0 | R5s050528 |
| RP-31 | | RP-060161 | 1628 | - | Correction to GCF WI-10/3 Testcase 12.4.2.4 | F | 5.3.0 | 5.4.0 | R5s050505 |
| RP-31 | | RP-060161 | 1629 | - | Correction to test step ts\_Exit\_Testcase used in MultiRAB test cases | F | 5.3.0 | 5.4.0 | R5s050514 |
| RP-31 | | RP-060161 | 1630 | - | Correction to GCF WI-010/1 test case 7.1.2.4a | F | 5.3.0 | 5.4.0 | R5s050524 |
| RP-31 | | RP-060161 | 1631 | - | Correction to the GCF WI 12 NAS Test Case 9.4.3.3 | F | 5.3.0 | 5.4.0 | R5s050515 |
| RP-31 | | RP-060161 | 1632 | - | Correction to GCF WI 10 and GCF WI 12 ATS to support IPv6 format for PDP Context | F | 5.3.0 | 5.4.0 | R5s050521 |
| RP-31 | | RP-060161 | 1633 | - | Summary of regression errors in the wk42 GCF WI-10 and GCF WI-12 ATS | F | 5.3.0 | 5.4.0 | R5s050482 |
| RP-31 | | RP-060161 | 1634 | - | Correction to GCF WI-13 test case 8.1.2.14 | F | 5.3.0 | 5.4.0 | R5s050526 |
| RP-31 | | RP-060161 | 1635 | - | Correction to GCF WI-13 test case 8.1.2.15 | F | 5.3.0 | 5.4.0 | R5s050527 |
| RP-31 | | RP-060161 | 1636 | - | Correction to GCF WI-12 test case 9.4.3.3 | F | 5.3.0 | 5.4.0 | R5s050509 |
| RP-31 | | RP-060161 | 1637 | - | Correction to GCF WI-10 test case 8.1.3.9 | F | 5.3.0 | 5.4.0 | R5s050507 |
| RP-31 | | RP-060161 | 1638 | - | Corrections of TC\_16\_2\_1, TC\_16\_2\_2, TC\_16\_1\_9\_1, TC\_16\_1\_9\_2 | F | 5.3.0 | 5.4.0 | R5s050506 |
| RP-31 | | RP-060161 | 1639 | - | Correction to GCF WI-10 RAB Test Case 14.2.38c | F | 5.3.0 | 5.4.0 | R5s050504 |
| RP-31 | | RP-060165 | 1640 | - | Correction to GCF WI 13/1 RRC testcases 8.3.1.38 and 8.3.1.39 | F | 5.3.0 | 5.4.0 | R5s060023 |
| RP-31 | | RP-060165 | 1641 | - | Corrections to Approved GCF WI-013 RRC testcase 8\_1\_2\_14 & WI-014 RRC testcase 8\_2\_2\_42 | F | 5.3.0 | 5.4.0 | R5s060034 |
| RP-31 | | RP-060165 | 1642 | - | Summary of regression errors in wk03 HSDPA ATS (GCF WI-13). | F | 5.3.0 | 5.4.0 | R5s060031 |
| RP-31 | | RP-060165 | 1643 | - | Corrections to GCF WI-013 test cases 8.1.6.5 and 8.3.1.40 | F | 5.3.0 | 5.4.0 | R5s050523 |
| RP-31 | | RP-060165 | 1644 | - | Correction to Rel-5 (HSENH) ATS to support IPv6 format for PDP Context. | F | 5.3.0 | 5.4.0 | R5s050522 |
| RP-31 | | RP-060162 | 1645 | - | Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 5.3.0 | 5.4.0 | - |
| RP-31 | | RP-060166 | 1646 | - | Introduce ASP for HSUPA in 34.123-3 | B | 5.3.0 | 5.4.0 | R5-060560 |
| RP-31 | | RP-060147 | 1647 | - | Introduce ASP for HSDPA of LCR TDD | B | 5.3.0 | 5.4.0 | R5-060317 |
| RP-31 | | RP-060147 | 1648 | - | Updating Information in section 8.2.4 (Table 35 ) | F | 5.3.0 | 5.4.0 | R5-060287 |
| RP-31 | | RP-060154 | 1649 | - | Correction of default value for IXIT parameter 'px\_CipherAlg'. | F | 5.3.0 | 5.4.0 | R5-060178 |
| RP-31 | | RP-060154 | 1650 | - | New ASP for DTM and other corrections in 34.123-3 – Release 99 | F | 5.3.0 | 5.4.0 | R5-060505 |
| RP-31 | | RP-060164 | 1651 | - | Update configurations, introduce frequency band indicator for SS in 34.123-3 - Release 5. | F | 5.3.0 | 5.4.0 | R5-060316 |
| RP-32 | | RP-060338 | 1652 | - | Update HSDPA test configuration | F | 5.4.0 | 5.5.0 | R5-061004 |
| RP-32 | | RP-060338 | 1653 | - | Change of ASP and IEs for LCR TDD | F | 5.4.0 | 5.5.0 | R5-061300 |
| RP-32 | | RP-060333 | 1654 | - | Update E-DCH test model and ASP (CR to 34.123-3) | F | 5.4.0 | 5.5.0 | R5-061285 |
| RP-32 | | RP-060324 | 1655 | - | Update PIXIT | F | 5.4.0 | 5.5.0 | R5-061003 |
| RP-32 | | RP-060324 | 1656 | - | Correction to ASP CPHY\_TFCI\_Detected\_IND | F | 5.4.0 | 5.5.0 | R5-061377 |
| RP-32 | | RP-060321 | 1657 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 5.4.0 | 5.5.0 | - |
| RP-32 | | RP-060339 | 1658 | - | Addition of GCF WI14 test case 8.2.6.48 to HSD\_ENH ATS V5.4.0 | B | 5.4.0 | 5.5.0 | R5s060139 |
| RP-32 | | RP-060327 | 1659 | - | Addition of GCF WI-12 test case 8.3.4.8 | B | 5.4.0 | 5.5.0 | R5s060019 |
| RP-32 | | RP-060327 | 1660 | - | Addition of GCF WI12 RRC test case 8.2.2.43 to RRC ATS v5.3.0 | B | 5.4.0 | 5.5.0 | R5s060084 |
| RP-32 | | RP-060327 | 1661 | - | Addition of GCF WI12 RRC test case 8.2.6.39 to RRC ATS v5.4.0 (Revision of R5s060076) | B | 5.4.0 | 5.5.0 | R5s060080 |
| RP-32 | | RP-060327 | 1662 | - | Addition of GCF WI12 RRC test case 8.2.6.44 to RRC ATS v5.4.0 (Revision of R5s060078) | B | 5.4.0 | 5.5.0 | R5s060082 |
| RP-32 | | RP-060327 | 1663 | - | Addition of GCF WI-10 MM test case 9.4.5.4.1 | B | 5.4.0 | 5.5.0 | R5s060066 |
| RP-32 | | RP-060330 | 1664 | - | Addition of GCF WI-13 RRC test case 8.4.1.47 to HSD\_ENH ATS v5.3.0 | B | 5.4.0 | 5.5.0 | R5s060070 |
| RP-32 | | RP-060330 | 1665 | - | Addition of GCF WI13 Inter-RAT cell change order from UTRAN test case 8.3.11.12 to HSD\_ENH ATS v5.4.0 (Revision of R5s060092) | B | 5.4.0 | 5.5.0 | R5s060094 |
| RP-32 | | RP-060339 | 1666 | - | Correction to GCF WI14 RAB test case 14\_6\_1, 14\_6\_2, 14\_6\_3, 14\_6\_3a, 14\_6\_4, 14\_6\_4a, 14\_6\_5, 14\_6\_5a | F | 5.4.0 | 5.5.0 | R5s060059 |
| RP-32 | | RP-060339 | 1667 | - | Correction to GCF WI14 test case 8\_3\_1\_34 and 8\_3\_1\_36 | F | 5.4.0 | 5.5.0 | R5s060061 |
| RP-32 | | RP-060339 | 1668 | - | Change of the relative channel powers for HS-PDSCH and HS-SCCH | F | 5.4.0 | 5.5.0 | R5s060074 |
| RP-32 | | RP-060339 | 1669 | - | Corrections to RAB testcase 14.6.3a | F | 5.4.0 | 5.5.0 | R5s060121 |
| RP-32 | | RP-060339 | 1670 | - | Correction to teststep ts\_RRC\_MultiCallEstPS\_MO\_HSDPA, ts\_RRC\_NAS\_SessionActPS\_MO\_P9\_P10\_HS | F | 5.4.0 | 5.5.0 | R5s060114 |
| RP-32 | | RP-060339 | 1671 | - | Corrections to GCF WI 14 RRC test case 8.2.3.34 | F | 5.4.0 | 5.5.0 | R5s060115 |
| RP-32 | | RP-060330 | 1672 | - | Revised summary of regression errors in IR\_U and HSD\_ENH\_R5 ATS (wk03, 2006) | F | 5.4.0 | 5.5.0 | R5s060088 |
| RP-32 | | RP-060330 | 1673 | - | Correction to GCF WI13 test case 6.1.2.10 | F | 5.4.0 | 5.5.0 | R5s060075 |
| RP-32 | | RP-060330 | 1674 | - | Correction to GCF WI-13 Idle Mode test case 6.1.2.10 | F | 5.4.0 | 5.5.0 | R5s060089 |
| RP-32 | | RP-060330 | 1675 | - | Corrections to Approved GCF WI-013 RRC testcases 8.4.1.47 | F | 5.4.0 | 5.5.0 | R5s060135 |
| RP-32 | | RP-060330 | 1676 | - | Additional CR for agreed TC 8.3.11.12 (8.3.11.13 implicitly affected) | F | 5.4.0 | 5.5.0 | R5s060118 |
| RP-32 | | RP-060325 | 1677 | - | Correction to GCF WI-10 RRC Test Case 6.2.2.2 | F | 5.4.0 | 5.5.0 | R5s060050 |
| RP-32 | | RP-060325 | 1678 | - | Correction of GCF WI-10 test case 8.4.1.5 | F | 5.4.0 | 5.5.0 | R5s060049 |
| RP-32 | | RP-060325 | 1679 | - | Summary of regression errors in the wk06 ATS. | F | 5.4.0 | 5.5.0 | R5s060056 |
| RP-32 | | RP-060325 | 1680 | - | Corrections to Security procedure to make UL SRB3 ciphering preconfiguration optional | F | 5.4.0 | 5.5.0 | R5s060057 |
| RP-32 | | RP-060325 | 1681 | - | Summary of regression errors in the wk06 GCF WI-10 and GCF WI-12 ATS | F | 5.4.0 | 5.5.0 | R5s060047 |
| RP-32 | | RP-060325 | 1682 | - | Correction to the test step ts\_DownlinkTBFEstablishment | F | 5.4.0 | 5.5.0 | R5s060060 |
| RP-32 | | RP-060325 | 1683 | - | Change to expected value of Qos "DeliveryOrder" IE. | F | 5.4.0 | 5.5.0 | R5s060058 |
| RP-32 | | RP-060325 | 1684 | - | Clarification of the usage of 4 PICS parameters | F | 5.4.0 | 5.5.0 | R5s060053 |
| RP-32 | | RP-060325 | 1685 | - | Correction to approved GCF WI-10/2 InterRAT test case 6.2.2.2 | F | 5.4.0 | 5.5.0 | R5s060055 |
| RP-32 | | RP-060325 | 1686 | - | Correction to approved GCF WI-10/2 InterRAT test case 6.2.2.1 | F | 5.4.0 | 5.5.0 | R5s060054 |
| RP-32 | | RP-060325 | 1687 | - | Corrections to IRU Measurement test cases for handling of UL only and Dl only compressed mode branches | F | 5.4.0 | 5.5.0 | R5s060051 |
| RP-32 | | RP-060325 | 1688 | - | Generic correction to test step 'ts\_MM\_IMSI\_Detach' | F | 5.4.0 | 5.5.0 | R5s060069 |
| RP-32 | | RP-060325 | 1689 | - | Correction to GCF WI-12 RAB Test Case 14.2.9 | F | 5.4.0 | 5.5.0 | R5s060068 |
| RP-32 | | RP-060325 | 1690 | - | Summary of regression errors in the wk09 GCF WI-10 and GCF WI-12 ATS | F | 5.4.0 | 5.5.0 | R5s060073 |
| RP-32 | | RP-060325 | 1691 | - | Corrections to GCF WI-10 IR\_U test case 6.2.1.7 and 6.2.1.8 | F | 5.4.0 | 5.5.0 | R5s060072 |
| RP-32 | | RP-060325 | 1692 | - | Correction to RRC test cases 8.1.1.1 and 8.1.1.9 | F | 5.4.0 | 5.5.0 | R5s060086 |
| RP-32 | | RP-060325 | 1693 | - | Correction to WI10 Idle Mode test case 6.1.2.6 | F | 5.4.0 | 5.5.0 | R5s060087 |
| RP-32 | | RP-060325 | 1694 | - | Correction to the IR\_U test case 6.2.2.3 | F | 5.4.0 | 5.5.0 | R5s060091 |
| RP-32 | | RP-060325 | 1695 | - | Correction to SM GCF WI 10 test case 11.3.1 | F | 5.4.0 | 5.5.0 | R5s060090 |
| RP-32 | | RP-060325 | 1696 | - | Correction to GCF WI-12 Testcase 9.4.3.3 | F | 5.4.0 | 5.5.0 | R5s060101 |
| RP-32 | | RP-060326 | 1697 | - | Correction to GCF WI-12 Testcase 9.4.5.4.6 | F | 5.4.0 | 5.5.0 | R5s060102 |
| RP-32 | | RP-060326 | 1698 | - | Correction to GCF WI-10 Testcase 8.1.7.1c | F | 5.4.0 | 5.5.0 | R5s060103 |
| RP-32 | | RP-060326 | 1699 | - | Correction to GCF WI-15 Test Cases | F | 5.4.0 | 5.5.0 | R5s060104 |
| RP-32 | | RP-060326 | 1700 | - | TTCN correction to Approved RRC TCs 8.3.4.1, 8.3.4.2 and 8.3.4.3 | F | 5.4.0 | 5.5.0 | R5s060096 |
| RP-32 | | RP-060326 | 1701 | - | TTCN correction to Approved RRC TC 8.4.1.14 | F | 5.4.0 | 5.5.0 | R5s060095 |
| RP-32 | | RP-060326 | 1702 | - | Correction of approved IR\_U test case 8.3.11.1. | F | 5.4.0 | 5.5.0 | R5s060097 |
| RP-32 | | RP-060326 | 1703 | - | Correction of approved HSD\_ENH\_R5 test cases 8.3.11.9, 8.3.11.13 and of 8.3.11.12 (under approval). | F | 5.4.0 | 5.5.0 | R5s060098 |
| RP-32 | | RP-060326 | 1704 | - | Correction to GCF WI-10 GMM test case 12.4.2.4 | F | 5.4.0 | 5.5.0 | R5s060110 |
| RP-32 | | RP-060326 | 1705 | - | Correction in TTCN for RLC Test cases 7.2.3.21, 7.2.3.22 and 7.2.3.24 | F | 5.4.0 | 5.5.0 | R5s060109 |
| RP-32 | | RP-060326 | 1706 | - | Correction to RRC GCF WI 12 test case 8.3.1.30 | F | 5.4.0 | 5.5.0 | R5s060106 |
| RP-32 | | RP-060326 | 1707 | - | Corrections to RAB testcase 14.2.41 | F | 5.4.0 | 5.5.0 | R5s060120 |
| RP-32 | | RP-060326 | 1708 | - | Correction to GCF WI-10 RRC Test Case 8.1.1.9 | F | 5.4.0 | 5.5.0 | R5s060119 |
| RP-32 | | RP-060326 | 1709 | - | Correction to the constraints used for the Radio Bearer Reconfiguration Message | F | 5.4.0 | 5.5.0 | R5s060113 |
| RP-32 | | RP-060326 | 1710 | - | Correction to RRC test cases 8.3.1.21 and 8.3.2.11 | F | 5.4.0 | 5.5.0 | R5s060112 |
| RP-32 | | RP-060326 | 1711 | - | Summary of regression errors in the wk11 ATS. | F | 5.4.0 | 5.5.0 | R5s060111 |
| RP-32 | | RP-060326 | 1712 | - | Corrections to TTCN test cases due to the review of 34.123-2 and, related, the implementation of test case selection expressions in the TTCN. | F | 5.4.0 | 5.5.0 | R5s060116 |
| RP-32 | | RP-060326 | 1713 | - | Empty all PCOs when TC begins | F | 5.4.0 | 5.5.0 | R5s060064 |
| RP-32 | | RP-060326 | 1714 | - | Correction to QOS parameters for UMTS only mobiles | F | 5.4.0 | 5.5.0 | R5s060041 |
| RP-32 | | RP-060326 | 1715 | - | Correction to GCF Test Case 8.4.1.25 | F | 5.4.0 | 5.5.0 | R5s060141 |
| RP-32 | | RP-060326 | 1716 | - | Correction to GCF WI-10 Testcase 7.2.3.21 | F | 5.4.0 | 5.5.0 | R5s060126 |
| RP-32 | | RP-060327 | 1717 | - | Correction to GCF WI-12 Testcase 9.4.3.3 | F | 5.4.0 | 5.5.0 | R5s060127 |
| RP-32 | | RP-060327 | 1718 | - | Correction to GCF WI-10 IR-U Test Case 6.2.2.3 | F | 5.4.0 | 5.5.0 | R5s060128 |
| RP-32 | | RP-060327 | 1719 | - | Correction to the RRC test case 6.1.2.8 | F | 5.4.0 | 5.5.0 | R5s060123 |
| RP-32 | | RP-060327 | 1720 | - | Correction to GCF WI-12 NAS Test Case 9.4.3.3 | F | 5.4.0 | 5.5.0 | R5s060122 |
| RP-32 | | RP-060327 | 1721 | - | Correction to GCF WI-10 SMS Test Case 16.x | F | 5.4.0 | 5.5.0 | R5s060136 |
| RP-32 | | RP-060327 | 1722 | - | Correction to the IR\_U test case 8.3.11.1 | F | 5.4.0 | 5.5.0 | R5s060130 |
| RP-32 | | RP-060327 | 1723 | - | Correction to the approved IR\_U test cases 8.3.7.1 and 8.3.7.3 | F | 5.4.0 | 5.5.0 | R5s060131 |
| RP-32 | | RP-060327 | 1724 | - | Correction to the GCF WI-12 test case 8.4.1.48 | F | 5.4.0 | 5.5.0 | R5s060134 |
| RP-32 | | RP-060327 | 1725 | - | Correction to the common security teststeps to add the default test step | F | 5.4.0 | 5.5.0 | R5s060133 |
| RP-32 | | RP-060327 | 1726 | - | Correction to Cell Broadcast test case 16.3 | F | 5.4.0 | 5.5.0 | R5s060125 |
| RP-32 | | RP-060327 | 1727 | - | Correction to the RRC test case 8.1.1.9 | F | 5.4.0 | 5.5.0 | R5s060124 |
| RP-32 | | RP-060327 | 1728 | - | Correction to the RRC compressed mode testcases | F | 5.4.0 | 5.5.0 | R5s060132 |
| RP-32 | | RP-060327 | 1729 | - | Correction of erroneous determination of OP-Mode in multiple ATSs | F | 5.4.0 | 5.5.0 | R5s060117 |
| RP-33 | | RP-060548 | 1730 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 5.5.0 | 5.6.0 | - |
| RP-33 | | RP-060555 | 1731 | - | Correction to the RRC testcase 8.4.1.23 | F | 5.5.0 | 5.6.0 | R5s060225 |
| RP-33 | | RP-060555 | 1732 | - | Correction to the RRC testcase 8.4.1.25 | F | 5.5.0 | 5.6.0 | R5s060226 |
| RP-33 | | RP-060555 | 1733 | - | Correction to the GMM test case 12.9.7b | F | 5.5.0 | 5.6.0 | R5s060223 |
| RP-33 | | RP-060555 | 1734 | - | Correction of Inter RAT testcase 12.8 | F | 5.5.0 | 5.6.0 | R5s060222 |
| RP-33 | | RP-060555 | 1735 | - | Summary of regression errors in wk29 GCF WI-10 ATS | F | 5.5.0 | 5.6.0 | R5s060227 |
| RP-33 | | RP-060555 | 1736 | - | Correction to GCF WI-010/1 approved test case 7.2.3.27 | F | 5.5.0 | 5.6.0 | R5s060230 |
| RP-33 | | RP-060555 | 1737 | - | Correction to GCF WI-12/1 approved test case 8.2.2.43 | F | 5.5.0 | 5.6.0 | R5s060231 |
| RP-33 | | RP-060569 | 1738 | - | Correction to test cases 14.6.4 | F | 5.5.0 | 5.6.0 | R5s060229 |
| RP-33 | | RP-060555 | 1739 | - | Correction to test cases 8.2.2.35 & tcv\_BcapMmedia | F | 5.5.0 | 5.6.0 | R5s060232 |
| RP-33 | | RP-060555 | 1740 | - | Correction to GCF WI10 RRC Test Case 8.4.1.5 | F | 5.5.0 | 5.6.0 | R5s060218 |
| RP-33 | | RP-060555 | 1741 | - | Correction to approved GCF WI-12 RAB test case 14.2.58a | F | 5.5.0 | 5.6.0 | R5s060221 |
| RP-33 | | RP-060555 | 1742 | - | Correction to approved GCF WI-12 RRC test cases 8.2.6.39 and 8.2.6.44 | F | 5.5.0 | 5.6.0 | R5s060220 |
| RP-33 | | RP-060555 | 1743 | - | Correction to approved GCF WI-10 RLC test case 7.2.3.17 | F | 5.5.0 | 5.6.0 | R5s060219 |
| RP-33 | | RP-060555 | 1744 | - | Summary of Regression Errors in NAS wk29 ATS | F | 5.5.0 | 5.6.0 | R5s060217 |
| RP-33 | | RP-060569 | 1745 | - | Correction GCF WI-14 HSDPA Test Case 8.2.1.27 | F | 5.5.0 | 5.6.0 | R5s060214 |
| RP-33 | | RP-060569 | 1746 | - | Correction to test cases 14.6.6 | F | 5.5.0 | 5.6.0 | R5s060215 |
| RP-33 | | RP-060555 | 1747 | - | Summary of Regression Errors in WK29 ATS | F | 5.5.0 | 5.6.0 | R5s060212 |
| RP-33 | | RP-060555 | 1748 | - | ASP enhancement for HSUPA testing | F | 5.5.0 | 5.6.0 | R5s060196 |
| RP-33 | | RP-060569 | 1749 | - | Summary of regression errors in the wk27 HSD Suite | F | 5.5.0 | 5.6.0 | R5s060209 |
| RP-33 | | RP-060555 | 1750 | - | Summary of regression errors in the wk27 RLC ATS | F | 5.5.0 | 5.6.0 | R5s060210 |
| RP-33 | | RP-060555 | 1751 | - | Corrections to GCF WI-12/1 approved test case 7.1.3.2 | F | 5.5.0 | 5.6.0 | R5s060208 |
| RP-33 | | RP-060554 | 1752 | - | Addition of GCF WI10 RRC test case 8.4.1.8 to RRC ATS v5.5.0 | B | 5.5.0 | 5.6.0 | R5s060201 |
| RP-33 | | RP-060555 | 1753 | - | Corrections to GCF WI-12/1 approved test case 12.9.7a. | F | 5.5.0 | 5.6.0 | R5s060206 |
| RP-33 | | RP-060569 | 1754 | - | Summary of Regression Errors in HSDPA ATS | F | 5.5.0 | 5.6.0 | R5s060207 |
| RP-33 | | RP-060555 | 1755 | - | Summary of regression errors in the wk27 GCF WI-10 and GCF WI-12 ATS | F | 5.5.0 | 5.6.0 | R5s060205 |
| RP-33 | | RP-060555 | 1756 | - | Correction to GCF WI-10 Idle Mode test case 6.1.2.5 | F | 5.5.0 | 5.6.0 | R5s060203 |
| RP-33 | | RP-060556 | 1757 | - | Correction to GCF WI-10 RRC test case 8.3.4.3 | F | 5.5.0 | 5.6.0 | R5s060204 |
| RP-33 | | RP-060556 | 1758 | - | Regression Error report for RRC & MAC ATS | F | 5.5.0 | 5.6.0 | R5s060199 |
| RP-33 | | RP-060559 | 1759 | - | Regression Error report for HSD\_ENH\_r5 ATS | F | 5.5.0 | 5.6.0 | R5s060200 |
| RP-33 | | RP-060559 | 1760 | - | Correction of CC procedure for multimedia calls | F | 5.5.0 | 5.6.0 | R5s060063 |
| RP-33 | | RP-060556 | 1761 | - | Corrections to GCF WI-10 RRC Test Case 8.4.1.24 and 8.4.1.25 | F | 5.5.0 | 5.6.0 | R5s060198 |
| RP-33 | | RP-060554 | 1762 | - | Addition of GCF WI-015 AGPS test case 17.2.3.7 to AGPS ATS V5.5.0 | B | 5.5.0 | 5.6.0 | R5s060193 |
| RP-33 | | RP-060554 | 1763 | - | Addition of GCF WI-015 AGPS test case 17.2.3.6 to AGPS ATS V5.5.0 | B | 5.5.0 | 5.6.0 | R5s060192 |
| RP-33 | | RP-060556 | 1764 | - | Correction to GCF WI-12 NAS Test Case 12.9.9 | F | 5.5.0 | 5.6.0 | R5s060197 |
| RP-33 | | RP-060556 | 1765 | - | Correction to the RRC testcase 8.2.3.8 | F | 5.5.0 | 5.6.0 | R5s060190 |
| RP-33 | | RP-060556 | 1766 | - | Correction to the RRC testcase 8.2.4.1 | F | 5.5.0 | 5.6.0 | R5s060191 |
| RP-33 | | RP-060556 | 1767 | - | Correction of GCF WI-10 RRC Test Case 8.3.1.10 and 8.3.2.4 | F | 5.5.0 | 5.6.0 | R5s060186 |
| RP-33 | | RP-060556 | 1768 | - | Correction to the Security procedure | F | 5.5.0 | 5.6.0 | R5s060189 |
| RP-33 | | RP-060556 | 1769 | - | Correction to GCF WI-10 NAS Test Case 11.1.1.1 | F | 5.5.0 | 5.6.0 | R5s060178 |
| RP-33 | | RP-060556 | 1770 | - | Correction to GCF WI-12 RRC Test Case 8.1.1.10 | F | 5.5.0 | 5.6.0 | R5s060187 |
| RP-33 | | RP-060556 | 1771 | - | Correction to the test step ts\_ToStateMOCompressMode\_CS\_6\_9\_PS\_6\_10 | F | 5.5.0 | 5.6.0 | R5s060188 |
| RP-33 | | RP-060561 | 1772 | - | Moving baseline to the June 06, Rel-6 | F | 5.5.0 | 5.6.0 | R5s060183 |
| RP-33 | | RP-060556 | 1773 | - | Corrections to GCF WI-10 SMS Test Cases 16.1.1 and 16.1.2 | F | 5.5.0 | 5.6.0 | R5s060185 |
| RP-33 | | RP-060559 | 1774 | - | Corrections to GCF WI-13 Test Case 8.3.11.13 | F | 5.5.0 | 5.6.0 | R5s060184 |
| RP-33 | | RP-060556 | 1775 | - | Correction GCF WI-12 Inter-RAT Test Case 8.4.1.48 | F | 5.5.0 | 5.6.0 | R5s060182 |
| RP-33 | | RP-060569 | 1776 | - | Corrections to GCF WI 14 test case 14.6.4 | F | 5.5.0 | 5.6.0 | R5s060181 |
| RP-33 | | RP-060556 | 1777 | - | Correction of GCF WI-10 Idle Mode Testcase 6.1.2.6 | F | 5.5.0 | 5.6.0 | R5s060180 |
| RP-33 | | RP-060556 | 1778 | - | Correction of value for t\_IdlePageTimer timer | F | 5.5.0 | 5.6.0 | R5s060175 |
| RP-33 | | RP-060556 | 1779 | - | Correction to GCF WI-12 NAS Test Case 12.9.9 | F | 5.5.0 | 5.6.0 | R5s060176 |
| RP-33 | | RP-060556 | 1780 | - | Correction to Approved GCF WI-10 NAS test case 12.9.6 | F | 5.5.0 | 5.6.0 | R5s060179 |
| RP-33 | | RP-060556 | 1781 | - | Summary of regression errors in wk23 GCF WI-10 and GCF WI-12 ATS | F | 5.5.0 | 5.6.0 | R5s060177 |
| RP-33 | | RP-060556 | 1782 | - | Correction to the test step ts\_U2GCellChange\_RAUpdate | F | 5.5.0 | 5.6.0 | R5s060174 |
| RP-33 | | RP-060556 | 1783 | - | Corrections to GCF WI 12/1 IR\_U test case 8\_4\_1\_48 | F | 5.5.0 | 5.6.0 | R5s060173 |
| RP-33 | | RP-060569 | 1784 | - | Correction to test case 8.2.6.48 | F | 5.5.0 | 5.6.0 | R5s060170 |
| RP-33 | | RP-060559 | 1785 | - | Correction to test case 8.1.6.5 | F | 5.5.0 | 5.6.0 | R5s060171 |
| RP-33 | | RP-060557 | 1786 | - | Correction to test step ts\_SS\_Rel | F | 5.5.0 | 5.6.0 | R5s060172 |
| RP-33 | | RP-060557 | 1787 | - | Correction to the GCF WI-12 RRC testcase 8.1.6.3 | F | 5.5.0 | 5.6.0 | R5s060169 |
| RP-33 | | RP-060557 | 1788 | - | Correction to the GCF WI-10 NAS test case 12.4.2.4 | F | 5.5.0 | 5.6.0 | R5s060166 |
| RP-33 | | RP-060557 | 1789 | - | Correction to the GCF WI-10 RRC test case 8.4.1.2 | F | 5.5.0 | 5.6.0 | R5s060167 |
| RP-33 | | RP-060557 | 1790 | - | Summary of regression errors in the wk21 GCF WI-10 and WI-12 ATS | F | 5.5.0 | 5.6.0 | R5s060168 |
| RP-33 | | RP-060569 | 1791 | - | Summary of regression errors in the wk21 HSD\_ENH ATS | F | 5.5.0 | 5.6.0 | R5s060165 |
| RP-33 | | RP-060569 | 1792 | - | Correction to GCF WI14 test case 8.2.6.39a and 8.2.6.39b | F | 5.5.0 | 5.6.0 | R5s060164 |
| RP-33 | | RP-060557 | 1793 | - | Correction of GCF WI-12 and 10 NAS Test cases 9.4.5.4.6 and 9.4.5.4.1 | F | 5.5.0 | 5.6.0 | R5s060163 |
| RP-33 | | RP-060554 | 1794 | - | Addition of GCF WI-012 MAC test case 7.1.3.2 to MAC ATS V5.4.0 | B | 5.5.0 | 5.6.0 | R5s060161 |
| RP-33 | | RP-060557 | 1795 | - | Correction of GCF WI-10 IR\_U Testcase 8.3.11.4 | F | 5.5.0 | 5.6.0 | R5s060158 |
| RP-33 | | RP-060569 | 1796 | - | Addition of GCF WI14/3 test case 14.6.6 to HSD\_ENH ATS V5.4.0 | B | 5.5.0 | 5.6.0 | R5s060159 |
| RP-33 | | RP-060569 | 1797 | - | Correction of GCF WI-14 HSDPA Testcase 8.3.11.10 | F | 5.5.0 | 5.6.0 | R5s060156 |
| RP-33 | | RP-060557 | 1798 | - | Correction of GCF WI-12 RRC Testcase 8.3.1.30 | F | 5.5.0 | 5.6.0 | R5s060157 |
| RP-33 | | RP-060569 | 1799 | - | Addition of GCF WI14/3 test case 14.6.1a to HSD\_ENH ATS V5.4.0 | B | 5.5.0 | 5.6.0 | R5s060154 |
| RP-33 | | RP-060557 | 1800 | - | Summary of regression errors in the wk18 GCF WI-10 and GCF WI-12 ATS | F | 5.5.0 | 5.6.0 | R5s060148 |
| RP-33 | | RP-060557 | 1801 | - | Correction to common teststeps ts\_RRC\_ReceiveUE\_CapabilityInfo and ts\_Check\_UE\_Capability | F | 5.5.0 | 5.6.0 | R5s060146 |
| RP-33 | | RP-060557 | 1802 | - | Correction to the constraint cbr\_108\_RRC\_SecModeCmpl in approved teststep ts\_RRC\_Security | F | 5.5.0 | 5.6.0 | R5s060147 |
| RP-33 | | RP-060569 | 1803 | - | Correction to test step ts\_RRC\_ConnRel\_AfterSwitchOff\_r5 | F | 5.5.0 | 5.6.0 | R5s060153 |
| RP-33 | | RP-060569 | 1804 | - | Correction of GCF WI-14 HSDPA MAC test case 7.1.5.4 | F | 5.5.0 | 5.6.0 | R5s060149 |
| RP-33 | | RP-060557 | 1805 | - | Proposed enhancement for calculation of DPCH Frame Offset | F | 5.5.0 | 5.6.0 | R5s060150 |
| RP-33 | | RP-060557 | 1806 | - | Correction of PLMN presentation in test step ts\_MMI\_PLMN\_SelPerf | F | 5.5.0 | 5.6.0 | R5s060152 |
| RP-33 | | RP-060557 | 1807 | - | Correction to InterRAT Idle Mode frequency lists | F | 5.5.0 | 5.6.0 | R5s060151 |
| RP-33 | | RP-060557 | 1808 | - | Correction to GCF WI-10 Idle Mode test case 6.1.2.3 | F | 5.5.0 | 5.6.0 | R5s060144 |
| RP-33 | | RP-060557 | 1809 | - | Correction of integrity error in TC 8.1.7.1d | F | 5.5.0 | 5.6.0 | R5s060145 |
| RP-33 | | RP-060569 | 1810 | - | TTCN correction to MAC-hs testcase 7.1.5.6 | F | 5.5.0 | 5.6.0 | R5s060143 |
| RP-33 | | RP-060558 | 1811 | - | Summary of regression errors in wk29 IRAT ATSs. | F | 5.5.0 | 5.6.0 | R5s060236 |
| RP-33 | | RP-060558 | 1812 | - | Correction to Approved GCF WI-10 NAS test case 12.4.1.1a | F | 5.5.0 | 5.6.0 | R5s060243 |
| RP-33 | | RP-060558 | 1813 | - | Summary of Regression Errors in RRC wk34 ATS | F | 5.5.0 | 5.6.0 | R5s060248 |
| RP-33 | | RP-060558 | 1814 | - | Summary of Regression Errors in NAS wk34 ATS | F | 5.5.0 | 5.6.0 | R5s060249 |
| RP-33 | | RP-060558 | 1815 | - | Summary of Regression Errors in SMS wk34 ATS | F | 5.5.0 | 5.6.0 | R5s060250 |
| RP-33 | | RP-060559 | 1816 | - | Summary of Regression Errors in HSD\_ENH wk34 ATS | F | 5.5.0 | 5.6.0 | R5s060256 |
| RP-33 | | RP-060558 | 1817 | - | Correction to GCF WI-12 IR\_U Test Case 8.4.1.48 | F | 5.5.0 | 5.6.0 | R5s060253 |
| RP-33 | | RP-060558 | 1818 | - | Summary of regression errors in wk34 GCF WI-10 and GCF WI-12 ATS | F | 5.5.0 | 5.6.0 | R5s060255 |
| RP-33 | | RP-060558 | 1819 | - | Correction to UE capability constraints | F | 5.5.0 | 5.6.0 | R5s060254 |
| RP-33 | | RP-060558 | 1820 | - | Addition of GCF WI-017 test case 8.3.7.17 to IR\_U\_r3 ATS V5.5.0. | B | 5.5.0 | 5.6.0 | R5s060234 |
| RP-33 | | RP-060564 | 1821 | - | CR to 34.123-3: ASP changes for EDCH test | F | 5.5.0 | 5.6.0 | R5-062325 |
| RP-33 | | RP-060551 | 1822 | - | New ASP and updated ASP to resolve SRB3 UL ciphering | F | 5.5.0 | 5.6.0 | R5-062534 |
| RP-33 | | RP-060553 | 1823 | - | Production of pointer version 5.6.0 of TS 34.123-3 with no technical contents | F | 5.5.0 | 5.6.0 | R5-062535 |
| RP-33 | | RP-060560 | 1824 | - | Upgrade TS 34.123-3 to version 6.0.0 | F | 5.5.0 | 6.0.0 | R5-062536 |
| RP-33 | | RP-060551 | 1825 | - | CR to 34.123-3: Update TSO and PIXIT | F | 5.5.0 | 5.6.0 | R5-062395 |
| RP-33 | | RP-060551 | 1826 | - | CR to 34.123-3: SFN offset issue in the CFN timing-maintained test | F | 5.5.0 | 5.6.0 | R5-062046 |
| RP-33 | | RP-060560 | 1827 | - | CR to 34.123-3: GERAN additional bands for interRAT test | F | 5.5.0 | 5.6.0 | R5-062537 |
| RP-34 | | RP-060744 | 1828 | - | CR to 34.123-3, Corrections of ASP and EDCH configurations | F | 6.0.0 | 6.1.0 | R5-063063 |
| RP-34 | | RP-060734 | 1829 | - | CR to 34.123-3: New PIXIT for band VI test | F | 6.0.0 | 6.1.0 | R5-063375 |
| RP-34 | | RP-060734 | 1830 | - | CR to 34.123-3: New annex guidance to TC executions | F | 6.0.0 | 6.1.0 | R5-063546 |
| RP-34 | | RP-060741 | 1831 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 6.0.0 | 6.1.0 | - |
| RP-34 | | RP-060745 | 1832 | - | Addition of E-DCH MAC test case 7.1.6.2.3 to HSU\_ENH ATS v5.5.0 | B | 6.0.0 | 6.1.0 | R5s060311 |
| RP-34 | | RP-060745 | 1833 | - | Addition of EDCH test case 8.2.6.50 to HSU ATS v5.5.0 | B | 6.0.0 | 6.1.0 | R5s060304 |
| RP-34 | | RP-060745 | 1834 | - | Addition of E-DCH RRC test case 8.3.1.41 to HSU\_ENH ATS v5.5.0 | B | 6.0.0 | 6.1.0 | R5s060286 |
| RP-34 | | RP-060745 | 1835 | - | Addition of E-DCH InterRAT test case 8.3.11.14 to HSU\_ENH\_r6 ATS. | B | 6.0.0 | 6.1.0 | R5s060272 |
| RP-34 | | RP-060745 | 1836 | - | Addition of GCF WI-25 E-DCH test case 14.7.1 to HSU\_ENH\_r6 ATS. | B | 6.0.0 | 6.1.0 | R5s060259 |
| RP-34 | | RP-060745 | 1837 | - | Addition of GCF WI-25 E-DCH test case 8.2.1.35 to HSU\_ENH\_r6 ATS. | B | 6.0.0 | 6.1.0 | R5s060270 |
| RP-34 | | RP-060736 | 1838 | - | Addition of GCF WI10 RRC test case 8.2.6.38 to RRC ATS v6.0.0 | B | 6.0.0 | 6.1.0 | R5s060295 |
| RP-34 | | RP-060736 | 1839 | - | Addition of GCF WI10 RRC test case 8.4.1.28 to RRC ATS v6.0.0 | B | 6.0.0 | 6.1.0 | R5s060265 |
| RP-34 | | RP-060736 | 1840 | - | Addition of GCF WI10 RRC test case 6.1.2.4 to RRC ATS v6.0.0 | B | 6.0.0 | 6.1.0 | R5s060257 |
| RP-34 | | RP-060738 | 1841 | - | Addition of HSDPA RAB test case 14.6.7 to HSD\_ENH ATS v5.5.0 | B | 6.0.0 | 6.1.0 | R5s060313 |
| RP-34 | | RP-060740 | 1842 | - | Addition of DSAC test case 8.1.2.16 to HSU\_ENH\_r6 ATS. | B | 6.0.0 | 6.1.0 | R5s060288 |
| RP-34 | | RP-060740 | 1843 | - | Addition of DSAC test case 12.4.2.12 to HSU\_ENH\_r6 ATS | B | 6.0.0 | 6.1.0 | R5s060283 |
| RP-34 | | RP-060740 | 1844 | - | Addition of DSAC test case 12.4.2.11 to HSU\_ENH\_r6 ATS. | B | 6.0.0 | 6.1.0 | R5s060281 |
| RP-34 | | RP-060740 | 1845 | - | Addition of GCF WI-24 DSAC test case 12.9.15 to HSU ATS v6.0.0 | B | 6.0.0 | 6.1.0 | R5s060263 |
| RP-34 | | RP-060740 | 1846 | - | Addition of DSAC test case 9.4.3.6 to HSU\_ENH\_ATS V5.5.0 | B | 6.0.0 | 6.1.0 | R5s060251 |
| RP-34 | | RP-060740 | 1847 | - | Addition of DSAC test case 12.2.1.12 to HSU\_ENH\_ATS V6.0.0 | B | 6.0.0 | 6.1.0 | R5s060246 |
| RP-34 | | RP-060740 | 1848 | - | Addition of DSAC test case 9.5.9 to HSU\_ENH\_ATS V6.0.0 | B | 6.0.0 | 6.1.0 | R5s060244 |
| RP-34 | | RP-060736 | 1849 | - | Correction to GCF WI-10 IR-U Test Case 8.3.7.1 | F | 6.0.0 | 6.1.0 | R5s060338 |
| RP-34 | | RP-060736 | 1850 | - | Summary of regression errors in wk38 GCF WI-10 and WI-12 ATS | F | 6.0.0 | 6.1.0 | R5s060337 |
| RP-34 | | RP-060736 | 1851 | - | Correction to SMS testcase 16.2.1 | F | 6.0.0 | 6.1.0 | R5s060320 |
| RP-34 | | RP-060736 | 1852 | - | Correction to the NAS Test Case 12.9.12 and 12.9.13 | F | 6.0.0 | 6.1.0 | R5s060334 |
| RP-34 | | RP-060736 | 1853 | - | Corrections to GCF WI-10 Test Cases 8.1.10.1 and 7.1.1.8 | F | 6.0.0 | 6.1.0 | R5s060332 |
| RP-34 | | RP-060736 | 1854 | - | Introduction of Band 6 to test cases | F | 6.0.0 | 6.1.0 | R5s060324 |
| RP-34 | | RP-060736 | 1855 | - | Summary of Regression Errors in RLC wk38 ATS | F | 6.0.0 | 6.1.0 | R5s060331 |
| RP-34 | | RP-060736 | 1856 | - | Corrections to GCF WI-12 RRC Test Cases 8.2.6.39 & 8.2.6.44 | F | 6.0.0 | 6.1.0 | R5s060330 |
| RP-34 | | RP-060736 | 1857 | - | Correction to GCF WI-10 RRC Test Case 6.1.1.7 | F | 6.0.0 | 6.1.0 | R5s060325 |
| RP-34 | | RP-060736 | 1858 | - | Correction to approved GCF WI-12/1 RAB test case 14.2.58a | F | 6.0.0 | 6.1.0 | R5s060321 |
| RP-34 | | RP-060736 | 1859 | - | Summary of regression errors in the wk38 InterRAT ATSs. | F | 6.0.0 | 6.1.0 | R5s060315 |
| RP-34 | | RP-060736 | 1860 | - | Summary of regression errors in wk38 GCF WI-10 and GCF WI-12 ATS | F | 6.0.0 | 6.1.0 | R5s060309 |
| RP-34 | | RP-060736 | 1861 | - | Correction to the RRC test case 8.4.1.8 | F | 6.0.0 | 6.1.0 | R5s060307 |
| RP-34 | | RP-060736 | 1862 | - | Corrections to GCF WI-10 RAB testcases 14.4.2.3 and 14.4.2a.3 | F | 6.0.0 | 6.1.0 | R5s060308 |
| RP-34 | | RP-060736 | 1863 | - | Correction to IR\_U testcase 8.4.1.48 | F | 6.0.0 | 6.1.0 | R5s060302 |
| RP-34 | | RP-060736 | 1864 | - | Correction of GCF WI-10 RRC testcase 8.1.10.1 | F | 6.0.0 | 6.1.0 | R5s060303 |
| RP-34 | | RP-060736 | 1865 | - | Correction to GCF WI-12 RRC Test Case 8.3.1.30 | F | 6.0.0 | 6.1.0 | R5s060306 |
| RP-34 | | RP-060737 | 1866 | - | Correction to IR\_U testcases for XID negotiation | F | 6.0.0 | 6.1.0 | R5s060298 |
| RP-34 | | RP-060737 | 1867 | - | Correction to RRC testcase 8.2.2.9 | F | 6.0.0 | 6.1.0 | R5s060299 |
| RP-34 | | RP-060737 | 1868 | - | Correction to RRC testcase 8.3.1.30 | F | 6.0.0 | 6.1.0 | R5s060300 |
| RP-34 | | RP-060737 | 1869 | - | iWD\_wk36 ATS Regression Errors Corrections | F | 6.0.0 | 6.1.0 | R5s060294 |
| RP-34 | | RP-060737 | 1870 | - | Summary of regression errors in the wk36 IR\_U\_r3 ATS. | F | 6.0.0 | 6.1.0 | R5s060290 |
| RP-34 | | RP-060737 | 1871 | - | TTCN Correction to GCF WI-10 RRC Test Cases 8.1.1.4, 8.1.1.5 and 8.1.1.6 | F | 6.0.0 | 6.1.0 | R5s060292 |
| RP-34 | | RP-060737 | 1872 | - | TTCN correction to GCF WI-10 RRC Test Cases 8.1.2.2 and 8.1.2.9 | F | 6.0.0 | 6.1.0 | R5s060293 |
| RP-34 | | RP-060737 | 1873 | - | Correction to WI 10/2 RRC testcase 8.4.1.8 | F | 6.0.0 | 6.1.0 | R5s060285 |
| RP-34 | | RP-060737 | 1874 | - | Summary of regression errors in wk36 GCF WI-10 and GCF WI-12 ATS | F | 6.0.0 | 6.1.0 | R5s060274 |
| RP-34 | | RP-060737 | 1875 | - | Summary of Regression Errors in wk36 ATS | F | 6.0.0 | 6.1.0 | R5s060280 |
| RP-34 | | RP-060737 | 1876 | - | Correction to approved GCF WI-010 Test Case 16.2.1 | F | 6.0.0 | 6.1.0 | R5s060278 |
| RP-34 | | RP-060737 | 1877 | - | Correction to GCF WI-12 RRC Test Case 8.2.2.43 | F | 6.0.0 | 6.1.0 | R5s060279 |
| RP-34 | | RP-060737 | 1878 | - | Correction to testcase 14.2.58 | F | 6.0.0 | 6.1.0 | R5s060267 |
| RP-34 | | RP-060737 | 1879 | - | TTCN CR to extend Guard Timer for GCF WI-10 and 12 RRC & RAB Test Cases | F | 6.0.0 | 6.1.0 | R5s060261 |
| RP-34 | | RP-060738 | 1880 | - | Correction to testcase 8.2.6.48 | F | 6.0.0 | 6.1.0 | R5s060335 |
| RP-34 | | RP-060738 | 1881 | - | Correction of PDP\_Context\_Status mandatory IE for Rel 5 and above | F | 6.0.0 | 6.1.0 | R5s060333 |
| RP-34 | | RP-060738 | 1882 | - | Corrections to GCF WI-14/1 test case 8.3.11.9 | F | 6.0.0 | 6.1.0 | R5s060323 |
| RP-34 | | RP-060738 | 1883 | - | Corrections to GCF WI 14/1 test case 8.2.3.35 | F | 6.0.0 | 6.1.0 | R5s060310 |
| RP-34 | | RP-060738 | 1884 | - | Correction to GCF WI 14 RRC testcases in Non Ciphering path. | F | 6.0.0 | 6.1.0 | R5s060301 |
| RP-34 | | RP-060738 | 1885 | - | Correction to HSDPA MRAT testcase 8.3.7.14 | F | 6.0.0 | 6.1.0 | R5s060297 |
| RP-34 | | RP-060738 | 1886 | - | Summary of regression errors in wk36 HSD\_ENH ATS | F | 6.0.0 | 6.1.0 | R5s060277 |
| RP-34 | | RP-060738 | 1887 | - | TTCN CR to extend Guard Timer for GCF WI-14 RAB Test Case | F | 6.0.0 | 6.1.0 | R5s060262 |
| RP-34 | | RP-060745 | 1888 | - | Addition of E-DCH MAC test case 7.1.6.2.7 to HSU\_ENH ATS v6.0.0 | B | 6.0.0 | 6.1.0 | R5s060343 |
| RP-34 | | RP-060745 | 1889 | - | Addition of E-DCH MAC test case 7.1.6.2.4 to HSU\_ENH ATS v6.0.0 | B | 6.0.0 | 6.1.0 | R5s060347 |
| RP-34 | | RP-060737 | 1890 | - | Correction to approved GCF WI-10/3 RRC test case 6.1.2.6 | F | 6.0.0 | 6.1.0 | R5s060339 |
| RP-34 | | RP-060737 | 1891 | - | Correction to GCF WI-10 Idle Mode Test Case 6.1.2.8 | F | 6.0.0 | 6.1.0 | R5s060340 |
| RP-34 | | RP-060737 | 1892 | - | Correction to GCF WI-10 RRC Test Case 8.3.1.31 | F | 6.0.0 | 6.1.0 | R5s060342 |
| RP-34 | | RP-060737 | 1896 | - | Corrections of approved GCF WI-12 test case 8.2.2.43. | F | 6.0.0 | 6.1.0 | R5s060317 |
| RP-34 | | RP-060737 | 1897 | - | Correction to GCF WI-10 RRC Test Case 8.4.1.8 | F | 6.0.0 | 6.1.0 | R5s060322 |
| RP-35 | | RP-070099 | 1898 |  | Addition of GCF WI-25 HSUPA MAC Test Case 7.1.6.4.3 | B | 6.1.0 | 6.2.0 | R5s060401 |
| RP-35 | | RP-070099 | 1899 |  | Addition of GCF WI-25 RAB Test Case 14.7.4 | B | 6.1.0 | 6.2.0 | R5s060399 |
| RP-35 | | RP-070099 | 1900 |  | Addition of GCF WI-25 HSUPA Test Case 7.1.6.2.10 | B | 6.1.0 | 6.2.0 | R5s060378 |
| RP-35 | | RP-070099 | 1901 |  | Addition of GCF WI-25 HSUPA MAC Test Case 7.1.6.4.2 | B | 6.1.0 | 6.2.0 | R5s060395 |
| RP-35 | | RP-070099 | 1902 |  | Addition of GCF WI-25 HSUPA Test Case 8.2.2.45 | B | 6.1.0 | 6.2.0 | R5s060384 |
| RP-35 | | RP-070099 | 1903 |  | Addition of GCF WI-25 HSUPA MAC Test Case 7.1.6.1.3 | B | 6.1.0 | 6.2.0 | R5s060380 |
| RP-35 | | RP-070099 | 1904 |  | Addition of GCF WI-25 HSUPA MAC Test Case 7.1.6.2.8 | B | 6.1.0 | 6.2.0 | R5s060376 |
| RP-35 | | RP-070099 | 1905 |  | Addition of GCF WI-25 HSUPA Test Case 7.1.6.2.9 | B | 6.1.0 | 6.2.0 | R5s060381 |
| RP-35 | | RP-070106 | 1906 |  | Addition of GCF WI-10 Idle mode test case 6.1.2.9a | B | 6.1.0 | 6.2.0 | R5s070027 |
| RP-35 | | RP-070106 | 1907 |  | Addition of GCF WI-10 Idle mode test case 6.1.2.9b | B | 6.1.0 | 6.2.0 | R5s070029 |
| RP-35 | | RP-070110 | 1908 |  | Addition of WB-AMR RAB test case 14.2.4b to HSD\_ENH\_r5 ATS V6.1.0 | B | 6.1.0 | 6.2.0 | R5s070033 |
| RP-35 | | RP-070099 | 1909 |  | Addition of E-DCH RAB test case 14.7.5 to HSU\_ENH\_r6 ATS V6.0.0 | B | 6.1.0 | 6.2.0 | R5s060328 |
| RP-35 | | RP-070099 | 1910 |  | Addition of E-DCH RAB test case 14.7.2 to HSU\_ENH\_r6 ATS V6.0.0 | B | 6.1.0 | 6.2.0 | R5s060326 |
| RP-35 | | RP-070099 | 1911 |  | Addition of E-DCH MAC test case 7.1.6.3.1 to HSU\_ENH\_r6 ATS V6.0.0 | B | 6.1.0 | 6.2.0 | R5s060364 |
| RP-35 | | RP-070099 | 1912 |  | Addition of E-DCH MAC test case 7.1.6.1.2 to HSU\_ENH\_r6 ATS V6.0.0 | B | 6.1.0 | 6.2.0 | R5s060362 |
| RP-35 | | RP-070099 | 1913 |  | Addition of E-DCH MAC test case 7.1.6.1.1 to HSU\_ENH\_r6 ATS V6.0.0 | B | 6.1.0 | 6.2.0 | R5s060360 |
| RP-35 | | RP-070099 | 1914 |  | Correction to GCF WI-025 test case 8.3.1.41 | F | 6.1.0 | 6.2.0 | R5s060404 |
| RP-35 | | RP-070099 | 1915 |  | Correction to GCF WI-25 RAB Test Case 14.7.5 | F | 6.1.0 | 6.2.0 | R5s060408 |
| RP-35 | | RP-070106 | 1916 |  | Summary of Regression Errors in NAS wk49 ATS | F | 6.1.0 | 6.2.0 | R5s060406 |
| RP-35 | | RP-070106 | 1917 |  | Summary of regression errors in wk49 ATS | F | 6.1.0 | 6.2.0 | R5s060405 |
| RP-35 | | RP-070106 | 1918 |  | Correction to GCF WI-10 SMS test case 16.3 | F | 6.1.0 | 6.2.0 | R5s070005 |
| RP-35 | | RP-070106 | 1919 |  | Correction to GCF WI-10 SMS test cases 16.1.1 and 16.1.2 | F | 6.1.0 | 6.2.0 | R5s070006 |
| RP-35 | | RP-070106 | 1920 |  | Correction to GCF WI-10 RRC test case 6.1.2.3 | F | 6.1.0 | 6.2.0 | R5s070007 |
| RP-35 | | RP-070106 | 1921 |  | Summary of regression errors in wk49 IRAT ATSs. | F | 6.1.0 | 6.2.0 | R5s070004 |
| RP-35 | | RP-070106 | 1922 |  | Correction to GCF WI-10 NAS Test Case 12.9.12 | F | 6.1.0 | 6.2.0 | R5s070001 |
| RP-35 | | RP-070106 | 1923 |  | Correction to GCF WI-10 RRC Test Case 8.4.1.25 and 8.4.1.48 | F | 6.1.0 | 6.2.0 | R5s070002 |
| RP-35 | | RP-070106 | 1924 |  | Correction to GCF WI-10 RAB Test Case 14.2.58 | F | 6.1.0 | 6.2.0 | R5s070003 |
| RP-35 | | RP-070099 | 1925 |  | Correction to GCF WI-025 test case 14.7.4 | F | 6.1.0 | 6.2.0 | R5s070019 |
| RP-35 | | RP-070106 | 1926 |  | Correction to GCF WI-10 RRC Test Case 8.4.1.2 | F | 6.1.0 | 6.2.0 | R5s070026 |
| RP-35 | | RP-070106 | 1927 |  | Correction to GCF WI-10 IR-U Test Case 12.8 | F | 6.1.0 | 6.2.0 | R5s070025 |
| RP-35 | | RP-070106 | 1928 |  | Corrections to GCF WI-17 DTM test case 8.3.7.17 | F | 6.1.0 | 6.2.0 | R5s070023 |
| RP-35 | | RP-070106 | 1929 |  | Correction to approved test case 8.4.1.8 | F | 6.1.0 | 6.2.0 | R5s070020 |
| RP-35 | | RP-070106 | 1930 |  | Correction to approved test case 8.2.6.38 | F | 6.1.0 | 6.2.0 | R5s070021 |
| RP-35 | | RP-070106 | 1931 |  | Correction to the NAS test case 9.2.2 | F | 6.1.0 | 6.2.0 | R5s070011 |
| RP-35 | | RP-070106 | 1932 |  | Correction to NAS test cases 12.4.1.1b and 12.9.9 | F | 6.1.0 | 6.2.0 | R5s070012 |
| RP-35 | | RP-070106 | 1933 |  | Correction to RRC testcase 8.4.1.2 | F | 6.1.0 | 6.2.0 | R5s070013 |
| RP-35 | | RP-070106 | 1934 |  | Correction to DSAC testcases 12.9.15, 12.4.2.11 and 12.4.2.12 | F | 6.1.0 | 6.2.0 | R5s070014 |
| RP-35 | | RP-070107 | 1935 |  | Correction to AGPS ASP Retri\_GPS\_AssistanceData\_CNF | F | 6.1.0 | 6.2.0 | R5s070015 |
| RP-35 | | RP-070107 | 1936 |  | Correction to the RRC testcase 8.3.4.8 | F | 6.1.0 | 6.2.0 | R5s070017 |
| RP-35 | | RP-070107 | 1937 |  | Summary of Regression Errors in wk49 ATSs | F | 6.1.0 | 6.2.0 | R5s070018 |
| RP-35 | | RP-070107 | 1938 |  | Introduction of Band 8 | F | 6.1.0 | 6.2.0 | R5s070008 |
| RP-35 | | RP-070107 | 1939 |  | Correction of CC procedure for multimedia calls | F | 6.1.0 | 6.2.0 | R5s070010 |
| RP-35 | | RP-070110 | 1940 |  | Correction to RRC TC 8.3.4.9 to avoid possible radio link failure. | F | 6.1.0 | 6.2.0 | R5s070022 |
| RP-35 | | RP-070110 | 1941 |  | Correction to GCF WI-14 HSDPA Test Case 14.6.4a | F | 6.1.0 | 6.2.0 | R5s070024 |
| RP-35 | | RP-070107 | 1942 |  | Step enhancement for the introduction of InterBand Test cases | F | 6.1.0 | 6.2.0 | R5s070031 |
| RP-35 | | RP-070107 | 1943 |  | Correction to GCF WI-10 RRC Test Case 8.3.1.5 | F | 6.1.0 | 6.2.0 | R5s070039 |
| RP-35 | | RP-070107 | 1944 |  | Correction to Inter-RAT testcase 8.3.7.3 | F | 6.1.0 | 6.2.0 | R5s070038 |
| RP-35 | | RP-070110 | 1945 |  | Correction to GCF WI-13 Test Case 8.3.1.40 | F | 6.1.0 | 6.2.0 | R5s070040 |
| RP-35 | | RP-070110 | 1946 |  | Correction to Idle mode testcase 6.1.2.10 | F | 6.1.0 | 6.2.0 | R5s070036 |
| RP-35 | | RP-070112 | 1947 |  | Correction to DSAC RRC testcase 8.1.2.16 | F | 6.1.0 | 6.2.0 | R5s070037 |
| RP-35 | | RP-070110 | 1948 |  | Correction to test case 8.2.6.39b & 8.3.4.9 | F | 6.1.0 | 6.2.0 | R5s070041 |
| RP-35 | | RP-070107 | 1949 |  | Correction to the NAS Test Case 12.3.2.1 | F | 6.1.0 | 6.2.0 | R5s060352 |
| RP-35 | | RP-070107 | 1950 |  | Correction to GCF WI-012 test case 12.3.2.7 | F | 6.1.0 | 6.2.0 | R5s060351 |
| RP-35 | | RP-070107 | 1951 |  | Correction to approved GCF WI-10 test case 8.3.7.1. | F | 6.1.0 | 6.2.0 | R5s060345 |
| RP-35 | | RP-070107 | 1952 |  | Correction of approved GCF WI-010 test case 8.1.7.1c | F | 6.1.0 | 6.2.0 | R5s060316 |
| RP-35 | | RP-070107 | 1953 |  | Correction to GCF WI-12 MAC Test Case 7.1.3.2 | F | 6.1.0 | 6.2.0 | R5s060354 |
| RP-35 | | RP-070107 | 1954 |  | Correction to QOS checking for UE not support AT commands to start MO PS call | F | 6.1.0 | 6.2.0 | R5s060353 |
| RP-35 | | RP-070112 | 1955 |  | Correction to GCF WI-24 DSAC Test Case 12.4.2.11 | F | 6.1.0 | 6.2.0 | R5s060355 |
| RP-35 | | RP-070107 | 1956 |  | Summary of regression errors in wk43 ATS | F | 6.1.0 | 6.2.0 | R5s060341 |
| RP-35 | | RP-070107 | 1957 |  | Correction to GCF WI 10/2 RRC testcase 8.4.1.8 | F | 6.1.0 | 6.2.0 | R5s060389 |
| RP-35 | | RP-070107 | 1958 |  | TTCN correction to GMM Test Case 12.4.1.4b | F | 6.1.0 | 6.2.0 | R5s060357 |
| RP-35 | | RP-070107 | 1959 |  | Summary of regression errors in wk47 IRAT ATSs. | F | 6.1.0 | 6.2.0 | R5s060372 |
| RP-35 | | RP-070107 | 1960 |  | Change of PDU type definition REGISTER used in MM test cases | F | 6.1.0 | 6.2.0 | R5s060388 |
| RP-35 | | RP-070107 | 1961 |  | Correction to GCF WI-10 RRC Test Case 8.4.1.25 | F | 6.1.0 | 6.2.0 | R5s060374 |
| RP-35 | | RP-070108 | 1962 |  | Summary of Regression Errors in NAS wk47 ATS – Batch2 | F | 6.1.0 | 6.2.0 | R5s060371 |
| RP-35 | | RP-070108 | 1963 |  | Summary of Regression Errors in NAS wk47 ATS | F | 6.1.0 | 6.2.0 | R5s060369 |
| RP-35 | | RP-070108 | 1964 |  | Summary of Regression Errors in RAB wk47 ATS | F | 6.1.0 | 6.2.0 | R5s060370 |
| RP-35 | | RP-070108 | 1965 |  | Correction to GCF WI-10 RRC Test Case 8.1.2.4 | F | 6.1.0 | 6.2.0 | R5s060367 |
| RP-35 | | RP-070108 | 1966 |  | Correction to GCF WI-10 RRC Test Case 6.1.2.1 | F | 6.1.0 | 6.2.0 | R5s060366 |
| RP-35 | | RP-070110 | 1967 |  | TTCN correction to GCF WI-014 RRC HSDPA Test Case 8.3.1.35 | F | 6.1.0 | 6.2.0 | R5s060359 |
| RP-35 | | RP-070110 | 1968 |  | Summary of Regression Errors in HSDPA wk47 ATS | F | 6.1.0 | 6.2.0 | R5s060368 |
| RP-35 | | RP-070099 | 1969 |  | Corrections to E-DCH test case 14.7.1 | F | 6.1.0 | 6.2.0 | R5s060403 |
| RP-35 | | RP-070099 | 1970 |  | Corrections to E-DCH test case 7.1.6.2.3 and 7.1.6.2.7 | F | 6.1.0 | 6.2.0 | R5s060394 |
| RP-35 | | RP-070099 | 1971 |  | Summary of Regression Errors in HSU wk47 ATS | F | 6.1.0 | 6.2.0 | R5s060375 |
| RP-35 | | RP-070108 | 1972 |  | Correction to approved test case 8.4.1.2, 8.4.1.6, 8.4.1.24 | F | 6.1.0 | 6.2.0 | R5s060391 |
| RP-35 | | RP-070110 | 1973 |  | Summary of regression errors in wk47 ATS | F | 6.1.0 | 6.2.0 | R5s060393 |
| RP-35 | | RP-070110 | 1974 |  | Correction to approved GCF WI-014 test case 8.2.6.48 | F | 6.1.0 | 6.2.0 | R5s060392 |
| RP-35 | | RP-070108 | 1975 |  | Correction to RRC constraint 'cr\_RRC\_RrcConnSetupCmplRadioCap\_BandList2' for Band VIII | F | 6.1.0 | 6.2.0 | R5s070035 |
| RP-35 | | RP-070108 | 1976 |  | Addition of GCF WI-010 P4 test case 8.2.6.37 to RRC ATS V6.1.0 | B | 6.1.0 | 6.2.0 | R5s070050 |
| RP-35 | | RP-070108 | 1977 |  | Correction to GCF WI-10 NAS test cases using SETUP ul constraints | F | 6.1.0 | 6.2.0 | R5s070043 |
| RP-35 | | RP-070108 | 1978 |  | Correction to GCF WI-10 NAS test cases 9.1 and 12.9.7c | F | 6.1.0 | 6.2.0 | R5s070044 |
| RP-35 | | RP-070108 | 1979 |  | Correction to GCF WI-10 NAS test case 9.4.2.2 Procedure 2 | F | 6.1.0 | 6.2.0 | R5s070045 |
| RP-35 | | RP-070100 | 1981 |  | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 6.1.0 | 6.2.0 | - |
| RP-35 | | RP-070108 | 1982 |  | Correction to the MAC suite for Band VI | F | 6.1.0 | 6.2.0 | R5s070052 |
| RP-35 | | RP-070108 | 1983 |  | Summary of regression errors in 07wk03 ATSs | F | 6.1.0 | 6.2.0 | R5s070053 |
| RP-35 | | RP-070108 | 1984 |  | Cell setup issue in 15 Idle Mode, RRC and NAS test cases | F | 6.1.0 | 6.2.0 | R5s070054 |
| RP-35 | | RP-070108 | 1985 |  | Correction to RRC testcase 6.1.2.6 | F | 6.1.0 | 6.2.0 | R5s070059 |
| RP-35 | | RP-070108 | 1986 |  | Correction to constraint cr\_UE\_CapabilityInfoAM\_BandList2 for Band VIII | F | 6.1.0 | 6.2.0 | R5s070061 |
| RP-35 | | RP-070108 | 1987 |  | Corrections to wk03 AGPS ATS | F | 6.1.0 | 6.2.0 | R5s070032 |
| RP-35 | | RP-070108 | 1988 |  | Recovering LAI checking in RRC CONNECTION REQUEST in 8.1.2.x. test cases | F | 6.1.0 | 6.2.0 | R5s070057 |
| RP-35 | | RP-070108 | 1989 |  | Correction to RRC testcase 8.4.1.2 | F | 6.1.0 | 6.2.0 | R5s070056 |
| RP-35 | | RP-070108 | 1990 |  | Cleaning of UE capability check procedure and band PICS | F | 6.1.0 | 6.2.0 | R5s070042 |
| RP-35 | | RP-070109 | 1991 |  | Correction to remove dependency on px\_CipheringOnOff in L2 test cases | F | 6.1.0 | 6.2.0 | R5s070055 |
| RP-35 | | RP-070110 | 1992 |  | Correction to HSDPA testcase 8.2.4.36 | F | 6.1.0 | 6.2.0 | R5s070060 |
| RP-35 | | RP-070099 | 1993 |  | Addition of GCF WI 25 RRC test case 8.2.3.36 to HSU\_ENH\_r6 ATS V6.1.0. | B | 6.1.0 | 6.2.0 | R5s070062 |
| RP-35 | | RP-070099 | 1994 |  | Addition of GCF WI-25 EDCH RRC test case 8.2.2.46 | B | 6.1.0 | 6.2.0 | R5s070064 |
| RP-35 | | RP-070109 | 1995 |  | Correction to RLC Test case 7.2.3.35 | F | 6.1.0 | 6.2.0 | R5s070058 |
| RP-35 | | RP-070098 | 1996 |  | Activation time in EDCH ASP and ASP order | F | 6.1.0 | 6.2.0 | R5-070033 |
| RP-35 | | RP-070087 | 1997 |  | MBMS test model and ASP | F | 6.1.0 | 6.2.0 | R5-070460 |
| RP-35 | | RP-070103 | 1998 |  | Correction of Band VIII test and Max. number of Almanac data | F | 6.1.0 | 6.2.0 | R5-070400 |
| RP-35 | | RP-070105 | 1999 |  | Documentation of a test configuration and other corrections | F | 6.1.0 | 6.2.0 | R5-070401 |
| RP-35 | | RP-070103 | 2000 |  | Corrections to AGPS asn.1 module | F | 6.1.0 | 6.2.0 | R5-070091 |
| RP-36 | | RP-070359 | 2001 |  | Addition of GCF WI 25 test case 8.3.4.10 to HSU\_ENH\_r6 ATS V6.1.0. | B | 6.2.0 | 6.3.0 | R5s070047 |
| RP-36 | | RP-070359 | 2002 |  | Addition of RRC test case 8.2.6.54 to HSD\_ENH\_r5 ATS V6.1.0 | B | 6.2.0 | 6.3.0 | R5s070112 |
| RP-36 | | RP-070359 | 2003 |  | Addition of GCF WI-25 EDCH test case 8.2.2.48 | B | 6.2.0 | 6.3.0 | R5s070079 |
| RP-36 | | RP-070359 | 2004 |  | Addition of GCF WI-25 EDCH test case 8.2.6.51 | B | 6.2.0 | 6.3.0 | R5s070140 |
| RP-36 | | RP-070359 | 2005 |  | Addition of E-DCH test case 7.1.6.2.2 to HSUPA ATS v6.1.0 | B | 6.2.0 | 6.3.0 | R5s070103 |
| RP-36 | | RP-070347 | 2006 |  | Addition of GCF WI-047 test case 8.4.1.25A to RRC ATS. | B | 6.2.0 | 6.3.0 | R5s070126 |
| RP-36 | | RP-070347 | 2007 |  | Addition of GCF WI-047 test case 8.4.1.2B to RRC ATS. | B | 6.2.0 | 6.3.0 | R5s070122 |
| RP-36 | | RP-070347 | 2008 |  | Addition of GCF WI-047 test case 8.2.1.34a to RRC ATS. | B | 6.2.0 | 6.3.0 | R5s070120 |
| RP-36 | | RP-070347 | 2009 |  | Addition of GCF WI-047 test case 8.2.1.24a to RRC ATS. | B | 6.2.0 | 6.3.0 | R5s070118 |
| RP-36 | | RP-070347 | 2010 |  | Addition of GCF WI-047 test case 6.1.2.10a to HSDPA ATS. | B | 6.2.0 | 6.3.0 | R5s070085 |
| RP-36 | | RP-070347 | 2011 |  | Addition of GCF WI-047 test case 8.1.2.10a to RRC ATS. | B | 6.2.0 | 6.3.0 | R5s070083 |
| RP-36 | | RP-070347 | 2012 |  | Addition of GCF WI-047 test case 6.1.2.1a to RRC ATS. | B | 6.2.0 | 6.3.0 | R5s070081 |
| RP-36 | | RP-070347 | 2013 |  | Addition of GCF WI10 RRC test case 8.4.1.42 to RRC ATS v6.1.0 | B | 6.2.0 | 6.3.0 | R5s070109 |
| RP-36 | | RP-070352 | 2014 |  | Addition of WB-AMR RAB test case 14.6.8 to HSD\_ENH\_r5 ATS V6.1.0 | B | 6.2.0 | 6.3.0 | R5s070072 |
| RP-36 | | RP-070352 | 2015 |  | Addition of WB-AMR RAB test case 14.2.62 to HSD\_ENH\_r5 ATS V6.1.0 | B | 6.2.0 | 6.3.0 | R5s070077 |
| RP-36 | | RP-070359 | 2016 |  | Summary of regression errors in 07wk08 HSUPA ATS | F | 6.2.0 | 6.3.0 | R5s070069 |
| RP-36 | | RP-070359 | 2017 |  | Correction to E-DCH testcases using rv0 | F | 6.2.0 | 6.3.0 | R5s070071 |
| RP-36 | | RP-070359 | 2018 |  | Correction to approved 8.3.1.41 test case | F | 6.2.0 | 6.3.0 | R5s070130 |
| RP-36 | | RP-070359 | 2019 |  | Correction to test steps ts\_InitVariablesHSU & ts\_SS\_RelDPCH\_E\_HS | F | 6.2.0 | 6.3.0 | R5s070098 |
| RP-36 | | RP-070359 | 2020 |  | Correction to E-DCH testcases 7.1.6.4.3 | F | 6.2.0 | 6.3.0 | R5s070095 |
| RP-36 | | RP-070359 | 2021 |  | Correction to GCF WI-25 test case 7.1.6.2.2 | F | 6.2.0 | 6.3.0 | R5s070138 |
| RP-36 | | RP-070359 | 2022 |  | Correction to E-DCH testcases 8.2.2.46 & 8.2.3.36 | F | 6.2.0 | 6.3.0 | R5s070115 |
| RP-36 | | RP-070347 | 2023 |  | Correction to GCF WI-10 NAS Test Case 12.4.1.4a | F | 6.2.0 | 6.3.0 | R5s070128 |
| RP-36 | | RP-070347 | 2024 |  | Correction to GCF WI-10 Test Cases 9.4.5.4.1, 6.1.2.9a and 6.1.2.9b | F | 6.2.0 | 6.3.0 | R5s070129 |
| RP-36 | | RP-070347 | 2025 |  | Summary of regression errors in wk11 ATS | F | 6.2.0 | 6.3.0 | R5s070111 |
| RP-36 | | RP-070347 | 2026 |  | Summary of regression errors in wk08 ATS | F | 6.2.0 | 6.3.0 | R5s070090 |
| RP-36 | | RP-070347 | 2027 |  | Correction to GCF WI-10 RRC Test Case 12.9.6 , 12.4.2.4 , 12.2.1.4.1 | F | 6.2.0 | 6.3.0 | R5s070092 |
| RP-36 | | RP-070347 | 2028 |  | Summary of Regression Errors in wk08 ATSs | F | 6.2.0 | 6.3.0 | R5s070087 |
| RP-36 | | RP-070347 | 2029 |  | Improvement on Guard Timer Timeout Handling | F | 6.2.0 | 6.3.0 | R5s070093 |
| RP-36 | | RP-070347 | 2030 |  | Summary of Regression errors in wk 11 IR\_U ATS | F | 6.2.0 | 6.3.0 | R5s070134 |
| RP-36 | | RP-070347 | 2031 |  | Correction to GCF WI-10 NAS test case 9.4.2.2 Procedure 2 | F | 6.2.0 | 6.3.0 | R5s070100 |
| RP-36 | | RP-070347 | 2032 |  | Correction to RRC testcase 8.4.1.8 & 8.4.1.28 | F | 6.2.0 | 6.3.0 | R5s070097 |
| RP-36 | | RP-070348 | 2033 |  | Correction to RRC testcase 8.4.1.2 & 8.4.1.6 | F | 6.2.0 | 6.3.0 | R5s070096 |
| RP-36 | | RP-070348 | 2034 |  | Removal of pc\_MS\_ClsmkFreqCap | F | 6.2.0 | 6.3.0 | R5s070094 |
| RP-36 | | RP-070348 | 2035 |  | Summary of regression errors in 07wk03 IRAT ATSs | F | 6.2.0 | 6.3.0 | R5s070049 |
| RP-36 | | RP-070348 | 2036 |  | Alignment of TTCN implementation of default radio configurations | F | 6.2.0 | 6.3.0 | R5s070135 |
| RP-36 | | RP-070348 | 2037 |  | Corrections to AGPS test cases 17.2.x (GCF WI-015) | F | 6.2.0 | 6.3.0 | R5s070075 |
| RP-36 | | RP-070348 | 2038 |  | Correction to RAB Test cases 14.4.2.1 and 14.4.2a.1 | F | 6.2.0 | 6.3.0 | R5s070099 |
| RP-36 | | RP-070348 | 2039 |  | Correction to MRAT Idle mode testcases 6.2.1.1 and 6.2.1.6 | F | 6.2.0 | 6.3.0 | R5s070066 |
| RP-36 | | RP-070348 | 2040 |  | Further correction to QOS checking for UE not support AT commands to start MO PS call | F | 6.2.0 | 6.3.0 | R5s070139 |
| RP-36 | | RP-070348 | 2041 |  | Rel-6 baseline upgrade | F | 6.2.0 | 6.3.0 | R5s070132 |
| RP-36 | | RP-070348 | 2042 |  | Summary of regression errors in wk11 ATS | F | 6.2.0 | 6.3.0 | R5s070142 |
| RP-36 | | RP-070348 | 2043 |  | Summary of regression errors in the wk08 HSDPA InterRAT ATS | F | 6.2.0 | 6.3.0 | R5s070067 |
| RP-36 | | RP-070348 | 2044 |  | Correction to GCF WI-10 Idle Mode test case 6.1.1.7 | F | 6.2.0 | 6.3.0 | R5s070114 |
| RP-36 | | RP-070348 | 2045 |  | Correction to GCF WI-10 NAS Test Case 12.2.1.6 Proc 1 and 2 | F | 6.2.0 | 6.3.0 | R5s070107 |
| RP-36 | | RP-070348 | 2046 |  | Correction to GCF WI-10 SMS Test Case 16.2.1 | F | 6.2.0 | 6.3.0 | R5s070117 |
| RP-36 | | RP-070348 | 2047 |  | Corrections to the GCF WI-010 P4 test case 8.2.6.37 | F | 6.2.0 | 6.3.0 | R5s070074 |
| RP-36 | | RP-070352 | 2048 |  | Correction to UM constraints used with type CRLC\_Config\_Req | F | 6.2.0 | 6.3.0 | R5s070070 |
| RP-36 | | RP-070352 | 2049 |  | Summary of regression errors in wk-11 MAC ATS | F | 6.2.0 | 6.3.0 | R5s070131 |
| RP-36 | | RP-070352 | 2050 |  | Correction to approved 8.2.6.39a and 8.2.6.39b test cases | F | 6.2.0 | 6.3.0 | R5s070076 |
| RP-36 | | RP-070352 | 2051 |  | Correction to WB-AMR RAB test cases 14.2.62,14.2.4b and 14.6.8 | F | 6.2.0 | 6.3.0 | R5s070136 |
| RP-36 | | RP-070352 | 2052 |  | Correction of approved GCF WI14 test case 8.3.7.14. | F | 6.2.0 | 6.3.0 | R5s070105 |
| RP-36 | | RP-070352 | 2053 |  | Corrections to WB-AMR RAB test cases 14.2.4b and 14.2.62 | F | 6.2.0 | 6.3.0 | R5s070108 |
| RP-36 | | RP-070348 | 2054 |  | Correction to GCF WI-10 NAS Test Case 12.8 | F | 6.2.0 | 6.3.0 | R5s070143 |
| RP-36 | | RP-070348 | 2055 |  | Correction to GCF WI-10 RRC test case 8.2.6.8 | F | 6.2.0 | 6.3.0 | R5s070137 |
| RP-36 | | RP-070359 | 2056 |  | Correction to GCF WI-25 test case 7.1.6.2.2 | F | 6.2.0 | 6.3.0 | R5s070144 |
| RP-36 | | RP-070348 | 2057 |  | Correction to GCF WI-10 Test Case 8.2.6.37 , 8.2.6.38 | F | 6.2.0 | 6.3.0 | R5s070145 |
| RP-36 | | RP-070347 | 2058 |  | Addition of GCF WI-047 test case 8.4.1.24A to RRC ATS. | B | 6.2.0 | 6.3.0 | R5s070124 |
| RP-36 | | RP-070348 | 2059 |  | Correction to GCF WI-10 Idle Mode Test Case 6.1.2.6 | F | 6.2.0 | 6.3.0 | R5s070146 |
| RP-36 | | RP-070347 | 2060 |  | Addition of GCF WI-047 test case 8.2.6.37b to RRC ATS | B | 6.2.0 | 6.3.0 | R5s070149 |
| RP-36 | | RP-070359 | 2061 |  | Correction to approved 7.1.6.4.3 test case | F | 6.2.0 | 6.3.0 | R5s070148 |
| RP-36 | | RP-070352 | 2062 |  | Corrections to GCF WI-13 and WI-14 WB-AMR Test Cases 14.2.4b,14.2.62 and 14.6.8 | F | 6.2.0 | 6.3.0 | R5s070147 |
| RP-36 | | RP-070355 | 2063 |  | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 6.2.0 | 6.3.0 | - |
| RP-36 | | RP-070358 | 2064 |  | ASP enhancement for configuration of stand-alone UL-DPCH | F | 6.2.0 | 6.3.0 | R5-071030 |
| RP-36 | | RP-070346 | 2065 |  | Documentation of TSO and recovering errorneously removed IE in ASP | F | 6.2.0 | 6.3.0 | R5-071433 |
| RP-36 | | RP-070354 | 2066 |  | Editorial corrections in the reference list | F | 6.2.0 | 6.3.0 | R5-071445 |
| RP-36 | | RP-070361 | 2067 |  | Allocation of channel Id for MBMS test | F | 6.2.0 | 6.3.0 | R5-071461 |
| RP-36 | | RP-070346 | 2068 |  | Guideline on MCC setting for the Primary band cell | F | 6.2.0 | 6.3.0 | R5-071478 |
| RP-37 | | RP-070605 | 2069 | - | Add a new ASP for MBMS test | F | 6.3.0 | 6.4.0 | R5-072050 |
| RP-37 | | RP-070593 | 2070 | - | RoHC test model and ASP | F | 6.3.0 | 6.4.0 | R5-072051 |
| RP-37 | | RP-070589 | 2071 | - | Addition of ASP for FMO & addition of IE paging cycle splitting | F | 6.3.0 | 6.4.0 | R5-072466 |
| RP-37 | | RP-070593 | 2072 | - | Correction to RB identities mapping | F | 6.3.0 | 6.4.0 | R5-072337 |
| RP-37 | | RP-070598 | 2073 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 6.3.0 | 6.4.0 | - |
| RP-37 | | RP-070590 | 2074 | - | TTCN Correction in testcases 8.3.7.16, 8.3.7.17 | F | 6.3.0 | 6.4.0 | R5s070209 |
| RP-37 | | RP-070590 | 2075 | - | Correction to GCF WI-10 RRC test case 8.4.1.14 | F | 6.3.0 | 6.4.0 | R5s070199 |
| RP-37 | | RP-070595 | 2076 | - | Corrections to GCF WI-14 HSD Test Cases 8.3.1.40 | F | 6.3.0 | 6.4.0 | R5s070179 |
| RP-37 | | RP-070590 | 2077 | - | TTCN Correction in testcases 8.1.7.1c, 8.2.6.39, 8.2.6.44, 8.3.1.25, 8.3.1.30 | F | 6.3.0 | 6.4.0 | R5s070187 |
| RP-37 | | RP-070590 | 2078 | - | Correction to RRC testcase 8.2.6.37 & 8.2.6.38 | F | 6.3.0 | 6.4.0 | R5s070198 |
| RP-37 | | RP-070590 | 2079 | - | Correction to IR\_U and IR\_G test suites to support split paging cycle on CCCH | F | 6.3.0 | 6.4.0 | R5s070190 |
| RP-37 | | RP-070603 | 2080 | - | Correction to GCF WI-25 HSUPA test case 8.2.6.54 | F | 6.3.0 | 6.4.0 | R5s070173 |
| RP-37 | | RP-070590 | 2081 | - | Correction to test step "ts\_AT\_CmdCBST" for setting correct speed in case of 3G324M Call. | F | 6.3.0 | 6.4.0 | R5s070200 |
| RP-37 | | RP-070590 | 2082 | - | Correction to the test cases to enable Fach Measurement Occasion in the SS | F | 6.3.0 | 6.4.0 | R5s070189 |
| RP-37 | | RP-070590 | 2083 | - | Corrections to GCF WI-10 Test Cases 8.4.1.14 | F | 6.3.0 | 6.4.0 | R5s070172 |
| RP-37 | | RP-070590 | 2084 | - | Corrections to GCF WI-14 RAB Testcase 14.6.3, 14.6.3a, 14.6.4, 14.6.4a, 14.6.7, 14.6.8 | F | 6.3.0 | 6.4.0 | R5s070195 |
| RP-37 | | RP-070590 | 2085 | - | Correction to PDU loopback control timer used in RAB test cases | F | 6.3.0 | 6.4.0 | R5s070197 |
| RP-37 | | RP-070590 | 2086 | - | TTCN Correction in SMS testcase 16.1.1 | F | 6.3.0 | 6.4.0 | R5s070188 |
| RP-37 | | RP-070606 | 2087 | - | Enhancement for new MBMS cells | F | 6.3.0 | 6.4.0 | R5s070184 |
| RP-37 | | RP-070590 | 2088 | - | Correction to GCF WI-15 AGPS test cases (17.2.4.1 to 9) | F | 6.3.0 | 6.4.0 | R5s070196 |
| RP-37 | | RP-070590 | 2089 | - | Corrections to GCF Interband Test Cases 6.1.2.1a and 6.1.2.10a for Band9 | F | 6.3.0 | 6.4.0 | R5s070191 |
| RP-37 | | RP-070590 | 2090 | - | Corrections to GCF WI-10 Test Cases 8.4.1.8 | F | 6.3.0 | 6.4.0 | R5s070180 |
| RP-37 | | RP-070590 | 2091 | - | Correction to Interband Test Cases 8.4.1.24A | F | 6.3.0 | 6.4.0 | R5s070177 |
| RP-37 | | RP-070590 | 2092 | - | Corrections to GCF WI-12 Test Case 8.2.2.43 | F | 6.3.0 | 6.4.0 | R5s070192 |
| RP-37 | | RP-070590 | 2093 | - | Summary of Regression Errors in wk23 ATSs | F | 6.3.0 | 6.4.0 | R5s070183 |
| RP-37 | | RP-070590 | 2094 | - | Summary of regression errors in wk23 ATS | F | 6.3.0 | 6.4.0 | R5s070166 |
| RP-37 | | RP-070590 | 2095 | - | TTCN Correction in testcases 8.2.2.41, 8.2.2.42, 8.2.3.31, 8.2.3.32, 8.2.3.33, 8.2.3.34, 8.2.3.35 | F | 6.3.0 | 6.4.0 | R5s070175 |
| RP-37 | | RP-070590 | 2096 | - | Summary of regression errors in the wk23 IR\_U ATS. | F | 6.3.0 | 6.4.0 | R5s070171 |
| RP-37 | | RP-070591 | 2097 | - | Correction to MAC testcase 7.1.3.2 | F | 6.3.0 | 6.4.0 | R5s070167 |
| RP-37 | | RP-070603 | 2098 | - | Correction to E-DCH RRC testcase 8.3.4.10 | F | 6.3.0 | 6.4.0 | R5s070170 |
| RP-37 | | RP-070591 | 2099 | - | Correction to RRC testcase 8.2.6.37, 8.2.6.37b & 8.4.1.14 | F | 6.3.0 | 6.4.0 | R5s070169 |
| RP-37 | | RP-070595 | 2100 | - | Correction to RRC testcase 8.4.1.47 | F | 6.3.0 | 6.4.0 | R5s070168 |
| RP-37 | | RP-070595 | 2101 | - | Correction to DSAC test cases | F | 6.3.0 | 6.4.0 | R5s070165 |
| RP-37 | | RP-070595 | 2102 | - | Summary of Regression Errors in wk21 ATSs | F | 6.3.0 | 6.4.0 | R5s070164 |
| RP-37 | | RP-070591 | 2103 | - | Summary of regression errors in wk21 ATS | F | 6.3.0 | 6.4.0 | R5s070163 |
| RP-37 | | RP-070591 | 2104 | - | Summary of Regression Errors in wk17 ATSs | F | 6.3.0 | 6.4.0 | R5s070157 |
| RP-37 | | RP-070591 | 2105 | - | Corrections to GCF WI-10 Test Cases 8.4.1.8 | F | 6.3.0 | 6.4.0 | R5s070161 |
| RP-37 | | RP-070591 | 2106 | - | Correction of approved GCF WI12 test case 8.2.6.44. | F | 6.3.0 | 6.4.0 | R5s070162 |
| RP-37 | | RP-070603 | 2107 | - | Addition of GCF WI-25 HSUPA test case 7.1.6.2.1 to HSU ATS v6.2.0 | B | 6.3.0 | 6.4.0 | R5s070158 |
| RP-37 | | RP-070603 | 2108 | - | Addition of WB-AMR RAB test case 14.7.8 to HSU\_ENH\_r6 ATS V6.1.0 | B | 6.3.0 | 6.4.0 | R5s070151 |
| RP-37 | | RP-070591 | 2109 | - | Summary of regression errors in wk18 ATS | F | 6.3.0 | 6.4.0 | R5s070154 |
| RP-37 | | RP-070591 | 2110 | - | Corrections to GCF WI-10 NAS Test Cases 9.4.8 | F | 6.3.0 | 6.4.0 | R5s070155 |
| RP-37 | | RP-070591 | 2111 | - | Correction to BMC Test Cases 16.3 and 14.4.4 | F | 6.3.0 | 6.4.0 | R5s070156 |
| RP-37 | | RP-070591 | 2112 | - | Correction of approved GCF WI12 test case 8.1.2.13. | F | 6.3.0 | 6.4.0 | R5s070153 |
| RP-37 | | RP-070591 | 2113 | - | Corrections to GCF WI-10 NAS Test Cases 8.3.9.1 | F | 6.3.0 | 6.4.0 | R5s070213 |
| RP-37 | | RP-070591 | 2114 | - | Corrections to GCF WI-10 RRC test case 8.4.1.28 | F | 6.3.0 | 6.4.0 | R5s070214 |
| RP-37 | | RP-070591 | 2115 | - | Cell setup issue in 16 Idle Mode, RRC and NAS test cases | F | 6.3.0 | 6.4.0 | R5s070210 |
| RP-37 | | RP-070591 | 2116 | - | Summary of regression errors in wk28 ATS | F | 6.3.0 | 6.4.0 | R5s070215 |
| RP-37 | | RP-070591 | 2117 | - | Addition of GCF WI-047 test case 8.3.1.1a to RRC ATS. | B | 6.3.0 | 6.4.0 | R5s070185 |
| RP-37 | | RP-070591 | 2118 | - | TTCN Correction in testcase 6.2.2.2 | F | 6.3.0 | 6.4.0 | R5s070216 |
| RP-37 | | RP-070591 | 2119 | - | Addition of GCF WI-047 test case 8.3.2.1a to RRC ATS. | B | 6.3.0 | 6.4.0 | R5s070193 |
| RP-37 | | RP-070603 | 2120 | - | Addition of GCF WI-25 HSUPA test case 8.4.1.49 to HSU ATS v6.3.0 | B | 6.3.0 | 6.4.0 | R5s070202 |
| RP-38 | | RP-070873 | 2121 |  | Correction of max bit rate in QoS and AT commands for different UE categories and other maintenance | F | 6.4.0 | 6.5.0 | R5-073030 |
| RP-38 | | RP-070873 | 2122 |  | Application of synchronized data sending on MTCH and other maintenance for MBMS | F | 6.4.0 | 6.5.0 | R5-073032 |
| RP-38 | | RP-070860 | 2123 |  | Handling RLP XID in CSD call | F | 6.4.0 | 6.5.0 | R5-073467 |
| RP-38 | | RP-070860 | 2124 |  | R99 routine maintenance for PIXIT etc | F | 6.4.0 | 6.5.0 | R5-073435 |
| RP-38 | | RP-070864 | 2125 |  | To add new RRC test case 8.2.1.8 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070283 |
| RP-38 | | RP-070864 | 2126 |  | To add new GMM test case 12.7 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070444 |
| RP-38 | | RP-070864 | 2127 |  | To add new RRC test case 8.1.1.1 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070281 |
| RP-38 | | RP-070864 | 2128 |  | To add new GMM test case 12.2.1.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070291 |
| RP-38 | | RP-070864 | 2129 |  | To add new test case 16.1.1 to the LCR TDD SMS ATS | B | 6.4.0 | 6.5.0 | R5s070293 |
| RP-38 | | RP-070864 | 2130 |  | To add new SM test case 11.1.1.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070301 |
| RP-38 | | RP-070864 | 2131 |  | To add new test case 18.1.2.6 to the LCR TDD RAB ATS | B | 6.4.0 | 6.5.0 | R5s070295 |
| RP-38 | | RP-070864 | 2132 |  | To add new test case 7.1.1.1 to the LCR TDD MAC ATS | B | 6.4.0 | 6.5.0 | R5s070297 |
| RP-38 | | RP-070864 | 2133 |  | To add new test case 7.2.3.12 to the LCR TDD RLC ATS | B | 6.4.0 | 6.5.0 | R5s070299 |
| RP-38 | | RP-070864 | 2134 |  | To add new test case 13.2.1.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070303 |
| RP-38 | | RP-070864 | 2135 |  | To add new RRC test case 8.1.1.4 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070309 |
| RP-38 | | RP-070864 | 2136 |  | To add new RRC test case 8.1.12 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070307 |
| RP-38 | | RP-070864 | 2137 |  | To add new RRC test case 8.1.5.4 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070323 |
| RP-38 | | RP-070864 | 2138 |  | To add new RRC test case 8.1.9 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070325 |
| RP-38 | | RP-070864 | 2139 |  | To add new RRC test case 8.2.2.11 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070331 |
| RP-38 | | RP-070864 | 2140 |  | To add new RRC test case 8.1.5.1 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070321 |
| RP-38 | | RP-070864 | 2141 |  | To add new RRC test case 8.2.2.9 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070329 |
| RP-38 | | RP-070864 | 2142 |  | To add new RRC test case 8.2.2.8 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070327 |
| RP-38 | | RP-070864 | 2143 |  | To add new RRC test case 8.2.3.7 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070335 |
| RP-38 | | RP-070864 | 2144 |  | To add new RRC test case 8.2.3.11 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070339 |
| RP-38 | | RP-070865 | 2145 |  | To add new RRC test case 8.2.3.9 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070337 |
| RP-38 | | RP-070865 | 2146 |  | To add new RRC test case 8.2.2.17 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070333 |
| RP-38 | | RP-070865 | 2147 |  | To add new RRC test case 8.2.6.7 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070347 |
| RP-38 | | RP-070865 | 2148 |  | To add new RRC test case 8.2.3.29 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070345 |
| RP-38 | | RP-070865 | 2149 |  | To add new RRC test case 8.2.6.11 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070349 |
| RP-38 | | RP-070865 | 2150 |  | To add new RRC test case 8.2.3.15 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070341 |
| RP-38 | | RP-070865 | 2151 |  | To add new RRC test case 8.4.1.17 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070353 |
| RP-38 | | RP-070865 | 2152 |  | To add new MM test case 9.2.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070358 |
| RP-38 | | RP-070865 | 2153 |  | To add new RRC test case 8.2.6.20 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070351 |
| RP-38 | | RP-070865 | 2154 |  | To add new RRC test case 8.4.1.24 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070355 |
| RP-38 | | RP-070865 | 2155 |  | To add new MM test case 9.5.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070362 |
| RP-38 | | RP-070865 | 2156 |  | To add new MM test case 9.4.4 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070360 |
| RP-38 | | RP-070865 | 2157 |  | To add new CC test case 10.1.2.2.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070368 |
| RP-38 | | RP-070865 | 2158 |  | To add new CC test case 10.1.2.2.3 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070370 |
| RP-38 | | RP-070865 | 2159 |  | To add new test case 13.2.2.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070480 |
| RP-38 | | RP-070865 | 2160 |  | To add new RRC test case 8.4.1.16 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070285 |
| RP-38 | | RP-070865 | 2161 |  | To add new CC test case 10.1.2.2.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070366 |
| RP-38 | | RP-070865 | 2162 |  | To add new CC test case 10.1.2.4.6 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070384 |
| RP-38 | | RP-070865 | 2163 |  | To add new CC test case 10.1.2.7.3 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070408 |
| RP-38 | | RP-070865 | 2164 |  | To add new GMM test case 12.4.3.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070440 |
| RP-38 | | RP-070866 | 2165 |  | To add new GMM test case 12.5 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070442 |
| RP-38 | | RP-070866 | 2166 |  | To add new test case 7.1.1.8 to the LCR TDD MAC ATS | B | 6.4.0 | 6.5.0 | R5s070470 |
| RP-38 | | RP-070866 | 2167 |  | To add new test case 7.2.3.34 to the LCR TDD RLC ATS | B | 6.4.0 | 6.5.0 | R5s070474 |
| RP-38 | | RP-070866 | 2168 |  | To add new CC test case 10.1.3.3.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070412 |
| RP-38 | | RP-070866 | 2169 |  | To add new GMM test case 12.3.1.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070428 |
| RP-38 | | RP-070866 | 2170 |  | To add new RRC test case 8.1.1.7 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070311 |
| RP-38 | | RP-070866 | 2171 |  | To add new MM test case 9.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070287 |
| RP-38 | | RP-070866 | 2172 |  | To add new CC test case 10.1.2.4.8 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070388 |
| RP-38 | | RP-070866 | 2173 |  | To add new GMM test case 12.4.1.1b to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070436 |
| RP-38 | | RP-070866 | 2174 |  | To add new SM test case 11.3.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070476 |
| RP-38 | | RP-070866 | 2175 |  | To add new GMM test case 12.3.1.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070430 |
| RP-38 | | RP-070866 | 2176 |  | To add new test case 16.1.9.2 to the LCR TDD SMS ATS | B | 6.4.0 | 6.5.0 | R5s070458 |
| RP-38 | | RP-070866 | 2177 |  | To add new CC test case 10.1.2.3.3 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070376 |
| RP-38 | | RP-070866 | 2178 |  | To add new CC test case 10.1.2.3.7 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070378 |
| RP-38 | | RP-070866 | 2179 |  | To add new CC test case 10.1.2.3.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070374 |
| RP-38 | | RP-070866 | 2180 |  | To add new CC test case 10.1.2.7.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070406 |
| RP-38 | | RP-070866 | 2181 |  | To add new GMM test case 12.9.4 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070452 |
| RP-38 | | RP-070866 | 2182 |  | To add new GMM test case 12.9.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070448 |
| RP-38 | | RP-070866 | 2183 |  | To add new CC test case 10.1.3.3.4 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070416 |
| RP-38 | | RP-070866 | 2184 |  | To add new RRC test case 8.1.3.3 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070319 |
| RP-38 | | RP-070867 | 2185 |  | To add new CC test case 10.1.3.3.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070414 |
| RP-38 | | RP-070867 | 2186 |  | To add new GMM test case 12.4.2.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070438 |
| RP-38 | | RP-070867 | 2187 |  | To add new CC test case 10.1.2.4.9 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070390 |
| RP-38 | | RP-070867 | 2188 |  | To add new test case 18.1.2.13.2 to the LCR TDD RAB ATS | B | 6.4.0 | 6.5.0 | R5s070462 |
| RP-38 | | RP-070867 | 2189 |  | To add new CC test case 10.1.2.4.10 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070392 |
| RP-38 | | RP-070867 | 2190 |  | To add new CC test case 10.1.2.4.7 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070386 |
| RP-38 | | RP-070867 | 2191 |  | To add new RRC test case 8.1.3.1 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070317 |
| RP-38 | | RP-070867 | 2192 |  | To add new CC test case 10.1.2.1.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070289 |
| RP-38 | | RP-070867 | 2193 |  | To add new CC test case 10.1.2.4.4 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070382 |
| RP-38 | | RP-070867 | 2194 |  | To add new test case 18.1.2.7 to the LCR TDD RAB ATS | B | 6.4.0 | 6.5.0 | R5s070460 |
| RP-38 | | RP-070867 | 2195 |  | To add new CC test case 10.1.2.6.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070398 |
| RP-38 | | RP-070867 | 2196 |  | To add new GMM test case 12.2.1.3 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070422 |
| RP-38 | | RP-070867 | 2197 |  | To add new GMM test case 12.9.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070446 |
| RP-38 | | RP-070867 | 2198 |  | To add new CC test case 10.1.2.5.2 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070394 |
| RP-38 | | RP-070867 | 2199 |  | To add new CC test case 10.1.2.6.3 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070400 |
| RP-38 | | RP-070867 | 2200 |  | To add new CC test case 10.1.2.6.6 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070402 |
| RP-38 | | RP-070867 | 2201 |  | To add new CC test case 10.1.2.9.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070410 |
| RP-38 | | RP-070867 | 2202 |  | To add new MM test case 9.5.4 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070364 |
| RP-38 | | RP-070867 | 2203 |  | To add new CC test case 10.1.2.4.3 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070380 |
| RP-38 | | RP-070867 | 2204 |  | To add new CC test case 10.1.2.3.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070372 |
| RP-38 | | RP-070868 | 2205 |  | To add new CC test case 10.1.2.5.5 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070396 |
| RP-38 | | RP-070868 | 2206 |  | To add new test case 18.1.2.15 to the LCR TDD RAB ATS | B | 6.4.0 | 6.5.0 | R5s070464 |
| RP-38 | | RP-070868 | 2207 |  | To add new RRC test case 8.1.1.8 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070313 |
| RP-38 | | RP-070868 | 2208 |  | To add new GMM test case 12.9.14 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070454 |
| RP-38 | | RP-070868 | 2209 |  | To add new test case 13.2.2.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070478 |
| RP-38 | | RP-070868 | 2210 |  | To add new RRC test case 8.2.3.19 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070343 |
| RP-38 | | RP-070868 | 2211 |  | To add new test case 16.1.2 to the LCR TDD SMS ATS | B | 6.4.0 | 6.5.0 | R5s070456 |
| RP-38 | | RP-070868 | 2212 |  | To add new CC test case 10.1.2.7.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070404 |
| RP-38 | | RP-070868 | 2213 |  | To add new GMM test case 12.2.1.7 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070424 |
| RP-38 | | RP-070868 | 2214 |  | To add new test case 18.1.2.26 to the LCR TDD RAB ATS | B | 6.4.0 | 6.5.0 | R5s070466 |
| RP-38 | | RP-070868 | 2215 |  | To add new CC test case 10.1.3.5.6 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070420 |
| RP-38 | | RP-070868 | 2216 |  | To add new test case 7.1.3.1 to the LCR TDD MAC ATS | B | 6.4.0 | 6.5.0 | R5s070472 |
| RP-38 | | RP-070868 | 2217 |  | To add new GMM test case 12.9.3 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070450 |
| RP-38 | | RP-070868 | 2218 |  | To add new RRC test case 8.1.2.7 to the LCR TDD RRC ATS | B | 6.4.0 | 6.5.0 | R5s070315 |
| RP-38 | | RP-070868 | 2219 |  | To add new CC test case 10.1.3.4.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070418 |
| RP-38 | | RP-070868 | 2220 |  | To add new GMM test case 12.2.2.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070426 |
| RP-38 | | RP-070868 | 2221 |  | To add new test case 7.1.1.2 to the LCR TDD MAC ATS | B | 6.4.0 | 6.5.0 | R5s070468 |
| RP-38 | | RP-070868 | 2222 |  | To add new GMM test case 12.3.2.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070434 |
| RP-38 | | RP-070868 | 2223 |  | To add new GMM test case 12.3.1.5 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070432 |
| RP-38 | | RP-070868 | 2224 |  | To add new NAS test case 9.3.1 to the LCR TDD NAS ATS | B | 6.4.0 | 6.5.0 | R5s070217 |
| RP-38 | | RP-070890 | 2225 |  | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 6.4.0 | 6.5.0 | - |
| RP-38 | | RP-070862 | 2226 |  | Corrections to GCF WI-10 and Interband RRC testcase 8.2.6.37 and 8.2.6.37b | F | 6.4.0 | 6.5.0 | R5s070357 |
| RP-38 | | RP-070861 | 2227 |  | Correction to testcase 8.4.1.49 & 8.3.4.10 | F | 6.4.0 | 6.5.0 | R5s070483 |
| RP-38 | | RP-070861 | 2228 |  | Correction to GCF WI-010 RRC test case 8.3.1.6 | F | 6.4.0 | 6.5.0 | R5s070482 |
| RP-38 | | RP-070861 | 2229 |  | Handling of A5\_1 for UE not supporting GSM. | F | 6.4.0 | 6.5.0 | R5s070484 |
| RP-38 | | RP-070862 | 2230 |  | TTCN Correction in HSUPA testcases | F | 6.4.0 | 6.5.0 | R5s070276 |
| RP-38 | | RP-070861 | 2231 |  | Corrections to GCF WI-10 RRC test case 6.1.2.1 | F | 6.4.0 | 6.5.0 | R5s070225 |
| RP-38 | | RP-070861 | 2232 |  | Introduction of wait timer for RRC Connection Request in preamble | F | 6.4.0 | 6.5.0 | R5s070221 |
| RP-38 | | RP-070861 | 2233 |  | Correction to GCF WI-013 InterRAT test case 8.3.11.13 | F | 6.4.0 | 6.5.0 | R5s070222 |
| RP-38 | | RP-070870 | 2234 |  | Corrections to GCF WI-014 WB-AMR test case 14.6.8 | F | 6.4.0 | 6.5.0 | R5s070224 |
| RP-38 | | RP-070861 | 2235 |  | Corrections to GCF WI-10 IR\_U test cases 6.2.1.X, 8.3.7.1, 8.3.7.3 | F | 6.4.0 | 6.5.0 | R5s070219 |
| RP-38 | | RP-070861 | 2236 |  | Correction to AGPS test cases 17.2.3.2, 17.2.3.3, 17.2.3.4, 17.2.3.8, 17.2.3.9 | F | 6.4.0 | 6.5.0 | R5s070220 |
| RP-38 | | RP-070861 | 2237 |  | Correction to the RRC test case 8.2.2.43, 8.2.6.39 and 8.2.6.44 | F | 6.4.0 | 6.5.0 | R5s070226 |
| RP-38 | | RP-070875 | 2238 |  | Addition of GCF WI-25 EDCH RRC test case 8.2.1.36 | B | 6.4.0 | 6.5.0 | R5s070248 |
| RP-38 | | RP-070875 | 2239 |  | Addition of GCF WI-25 HSUPA test case 8.2.2.44 to HSU ATS v6.3.0 | B | 6.4.0 | 6.5.0 | R5s070245 |
| RP-38 | | RP-070875 | 2240 |  | Addition of GCF WI-25 EDCH RRC test case 8.2.2.47 | B | 6.4.0 | 6.5.0 | R5s070243 |
| RP-38 | | RP-070861 | 2241 |  | Wk36 Regression errors in testcase 6.2.1.8 | F | 6.4.0 | 6.5.0 | R5s070257 |
| RP-38 | | RP-070861 | 2242 |  | Summary of regression errors in wk36 ATS | F | 6.4.0 | 6.5.0 | R5s070255 |
| RP-38 | | RP-070875 | 2243 |  | Modification of UL and DL max bit rate in QoS for HSPA | F | 6.4.0 | 6.5.0 | R5s070254 |
| RP-38 | | RP-070875 | 2244 |  | Addition of GCF WI-024 test case 6.2.2.4 to HSU\_ENH\_r6 ATS V6.3.0. | B | 6.4.0 | 6.5.0 | R5s070227 |
| RP-38 | | RP-070875 | 2245 |  | Modification of Logical Channel Id for RB25 in multicall scenario | F | 6.4.0 | 6.5.0 | R5s070256 |
| RP-38 | | RP-070875 | 2246 |  | Addition of GCF WI-024 test case 6.2.2.5 to HSU\_ENH\_r6 ATS V6.3.0. | B | 6.4.0 | 6.5.0 | R5s070235 |
| RP-38 | | RP-070861 | 2247 |  | Addition of RRC test case 8.2.2.50 | B | 6.4.0 | 6.5.0 | R5s070263 |
| RP-38 | | RP-070875 | 2248 |  | Asn.1 6d0 patch for the support of F-DPCH Support Indicator | F | 6.4.0 | 6.5.0 | R5s070223 |
| RP-38 | | RP-070861 | 2249 |  | Summary of regression errors in wk38 ATS | F | 6.4.0 | 6.5.0 | R5s070258 |
| RP-38 | | RP-070870 | 2250 |  | Correction to GCF WI-14 Test Case 8.2.6.48 | F | 6.4.0 | 6.5.0 | R5s070267 |
| RP-38 | | RP-070861 | 2251 |  | Corrections to GCF WI-10 RRC test case 6.1.2.1 | F | 6.4.0 | 6.5.0 | R5s070266 |
| RP-38 | | RP-070875 | 2252 |  | TTCN Correction in GMM testcase 12.9.15 | F | 6.4.0 | 6.5.0 | R5s070269 |
| RP-38 | | RP-070861 | 2253 |  | TTCN Correction in testcases 9.5.4, 9.5.5, 9.5.7.1 | F | 6.4.0 | 6.5.0 | R5s070268 |
| RP-38 | | RP-070875 | 2254 |  | Introduce a more strict detection of the usage of RACH TF2 for UL CCCH transmission | F | 6.4.0 | 6.5.0 | R5s070270 |
| RP-38 | | RP-070875 | 2255 |  | Correction to GCF WI-25 test cases 8.3.1.41 and 8.2.6.50 | F | 6.4.0 | 6.5.0 | R5s070272 |
| RP-38 | | RP-070875 | 2256 |  | Removal of GSM ciphering algorithm A5/2 | F | 6.4.0 | 6.5.0 | R5s070275 |
| RP-38 | | RP-070861 | 2257 |  | Correction to RRC testcase 8.4.1.42 | F | 6.4.0 | 6.5.0 | R5s070306 |
| RP-38 | | RP-070861 | 2258 |  | Correction to GCF Testcase 8.1.2.1, 8.1.2.7, 8.1.2.11, 8.1.5.1, 8.1.5.4, 8.1.7.1, 8.1.7.1b, 8.1.7.1c, 8.1.7.2, 8.1.12 | F | 6.4.0 | 6.5.0 | R5s070279 |
| RP-38 | | RP-070861 | 2259 |  | Correction to RRC testcase 8.1.10.1 | F | 6.4.0 | 6.5.0 | R5s070305 |
| RP-38 | | RP-070861 | 2260 |  | Summary of regression errors in wk38 ATS | F | 6.4.0 | 6.5.0 | R5s070271 |
| RP-38 | | RP-070861 | 2261 |  | Correction to the TTCN to Handle optional Packet Resource Request message | F | 6.4.0 | 6.5.0 | R5s070277 |
| RP-38 | | RP-070862 | 2262 |  | Summary of regression errors in wk38 ATS | F | 6.4.0 | 6.5.0 | R5s070278 |
| RP-39 | | RP-080097 | 2263 |  | Update RLP and MBMS RLC test models | F | 6.5.0 | 6.6.0 | R5-080364 |
| RP-39 | | RP-080098 | 2264 |  | Correction to AT commands used in 3GPP ATSs | F | 6.5.0 | 6.6.0 | R5-080218 |
| RP-39 | | RP-080091 | 2265 |  | Corrections to the PIXIT items | F | 6.5.0 | 6.6.0 | R5-080269 |
| RP-39 | | RP-080098 | 2266 |  | Removal of PDF version in formal delivries | F | 6.5.0 | 6.6.0 | R5-080566 |
| RP-39 | | RP-080110 | 2267 |  | Introducing Rel-7 test model | F | 6.5.0 | 6.6.0 | R5-080044r3 |
| RP-39 | | RP-080090 | 2269 |  | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 6.5.0 | 6.6.0 | - |
| RP-39 | | RP-080099 | 2270 |  | Summary of regression errors in MBMS wk03 ATS | F | 6.5.0 | 6.6.0 | R5s080013 |
| RP-39 | | RP-080092 | 2271 |  | Correction to GCF WI-010 RRC test case 8.3.3.1 | F | 6.5.0 | 6.6.0 | R5s080007 |
| RP-39 | | RP-080094 | 2272 |  | Correction to testcase 7.1.5.6 | F | 6.5.0 | 6.6.0 | R5s080005 |
| RP-39 | | RP-080099 | 2273 |  | Upgrade RRC asn.1 for tc 8.5.2.1 – UE supporting MBMS service change for a ptp RB | F | 6.5.0 | 6.6.0 | R5s080012 |
| RP-39 | | RP-080092 | 2274 |  | Summary of regression errors in wk49 ATS | F | 6.5.0 | 6.6.0 | R5s080002 |
| RP-39 | | RP-080092 | 2275 |  | Correction to PDU definition DTMINFORMATION in IRU ATS | F | 6.5.0 | 6.6.0 | R5s080003 |
| RP-39 | | RP-080099 | 2276 |  | Correction to SIB5 in MBMS ATS | F | 6.5.0 | 6.6.0 | R5s080006 |
| RP-39 | | RP-080099 | 2277 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.3.2 | B | 6.5.0 | 6.6.0 | R5s070571 |
| RP-39 | | RP-080099 | 2278 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.5.2 | B | 6.5.0 | 6.6.0 | R5s070584 |
| RP-39 | | RP-080099 | 2279 |  | Addition to MBMS RRC test case 8.5.5.1 | B | 6.5.0 | 6.6.0 | R5s070596 |
| RP-39 | | RP-080099 | 2280 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.5.3 | B | 6.5.0 | 6.6.0 | R5s070586 |
| RP-39 | | RP-080099 | 2281 |  | Corrections to GCF WI-24 Network Sharing test case 6.2.2.4 | F | 6.5.0 | 6.6.0 | R5s070592 |
| RP-39 | | RP-080099 | 2282 |  | Addition of RRC test case 6.1.1.9 to HSU\_ENH\_r6 ATS V6.4.0 | B | 6.5.0 | 6.6.0 | R5s070526 |
| RP-39 | | RP-080092 | 2283 |  | TTCN Correction in 8.3.1.30 | F | 6.5.0 | 6.6.0 | R5s070593 |
| RP-39 | | RP-080099 | 2284 |  | Addition of RRC test case 6.1.1.8 to HSU\_ENH\_r6 ATS V6.4.0 | B | 6.5.0 | 6.6.0 | R5s070524 |
| RP-39 | | RP-080092 | 2285 |  | Summary of regression errors in wk49 ATS | F | 6.5.0 | 6.6.0 | R5s070562 |
| RP-39 | | RP-080092 | 2286 |  | Summary of regression errors in wk49 ATS | F | 6.5.0 | 6.6.0 | R5s070600 |
| RP-39 | | RP-080099 | 2287 |  | Addition of RRC test case 8.3.3.4 to HSU\_ENH\_r6 ATS | B | 6.5.0 | 6.6.0 | R5s070508 |
| RP-39 | | RP-080099 | 2288 |  | Addition of GCF WI-25 EDCH RRC test case 8.2.2.49 | B | 6.5.0 | 6.6.0 | R5s070504 |
| RP-39 | | RP-080099 | 2289 |  | Addition of GCF WI-024 test case 6.2.1.10 to HSU\_ENH\_r6 ATS V6.5.0. | B | 6.5.0 | 6.6.0 | R5s070273 |
| RP-39 | | RP-080099 | 2290 |  | Addition to MBMS RRC test case 8.5.5.7 | B | 6.5.0 | 6.6.0 | R5s070598 |
| RP-39 | | RP-080099 | 2291 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.1.12 | B | 6.5.0 | 6.6.0 | R5s070563 |
| RP-39 | | RP-080099 | 2292 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.1.2 | B | 6.5.0 | 6.6.0 | R5s070569 |
| RP-39 | | RP-080092 | 2293 |  | Summary of regression errors in wk49 ATS | F | 6.5.0 | 6.6.0 | R5s070591 |
| RP-39 | | RP-080099 | 2294 |  | Addition of GCF WI-25 EDCH RRC test case 8.2.1.36a | B | 6.5.0 | 6.6.0 | R5s070594 |
| RP-39 | | RP-080099 | 2295 |  | Addition of RRC test case 8.1.1.11 to HSU\_ENH\_r6 ATS | B | 6.5.0 | 6.6.0 | R5s070530 |
| RP-39 | | RP-080099 | 2296 |  | Addition of GCF WI 49 MBMS NAS test case 12.9.17 | B | 6.5.0 | 6.6.0 | R5s070528 |
| RP-39 | | RP-080099 | 2297 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.4.1 | B | 6.5.0 | 6.6.0 | R5s070573 |
| RP-39 | | RP-080100 | 2298 |  | Addition of GCF WI-25 EDCH RRC test case 8.2.6.52 | B | 6.5.0 | 6.6.0 | R5s070522 |
| RP-39 | | RP-080100 | 2299 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.5.4 | B | 6.5.0 | 6.6.0 | R5s070588 |
| RP-39 | | RP-080100 | 2300 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.1.13 | B | 6.5.0 | 6.6.0 | R5s070565 |
| RP-39 | | RP-080100 | 2301 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.1.9 | B | 6.5.0 | 6.6.0 | R5s070582 |
| RP-39 | | RP-080100 | 2302 |  | Addition of GCF WI-25 EDCH RRC Testcase 8.1.2.18 to HSU\_ENH\_r6 ATS v6.5.0 | B | 6.5.0 | 6.6.0 | R5s070575 |
| RP-39 | | RP-080092 | 2303 |  | Summary of regression errors in wk47 ATS | F | 6.5.0 | 6.6.0 | R5s070520 |
| RP-39 | | RP-080100 | 2304 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.1.11 | B | 6.5.0 | 6.6.0 | R5s070567 |
| RP-39 | | RP-080100 | 2305 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.1.3 | B | 6.5.0 | 6.6.0 | R5s070516 |
| RP-39 | | RP-080100 | 2306 |  | Correction to GCF WI-25 Test Case 8.2.2.47 | F | 6.5.0 | 6.6.0 | R5s070521 |
| RP-39 | | RP-080100 | 2307 |  | Addition of GCF WI 25 EDCH RRC test case 8.3.1.42a | B | 6.5.0 | 6.6.0 | R5s070510 |
| RP-39 | | RP-080100 | 2308 |  | Addition of GCF WI-25 EDCH RRC test case 8.3.1.43 | B | 6.5.0 | 6.6.0 | R5s070512 |
| RP-39 | | RP-080100 | 2309 |  | Addition of GCF WI 25 EDCH RAB test case 14.7.3 | B | 6.5.0 | 6.6.0 | R5s070559 |
| RP-39 | | RP-080100 | 2310 |  | Addition of GCF WI 25 EDCH RRC test case 8.2.2.47a | B | 6.5.0 | 6.6.0 | R5s070557 |
| RP-39 | | RP-080100 | 2311 |  | Addition of GCF WI-25 EDCH RRC test case 8.3.1.42 | B | 6.5.0 | 6.6.0 | R5s070499 |
| RP-39 | | RP-080094 | 2312 |  | TTCN Correction in testcase 8.3.1.34 | F | 6.5.0 | 6.6.0 | R5s070497 |
| RP-39 | | RP-080100 | 2313 |  | Addition of GCF WI-25 EDCH RRC Testcase 8.1.2.17 to HSU\_ENH\_r6 ATS v6.4.0 | B | 6.5.0 | 6.6.0 | R5s070514 |
| RP-39 | | RP-080100 | 2314 |  | Addition of GCF WI 49 MBMS RRC test case 14.4.5 | B | 6.5.0 | 6.6.0 | R5s070518 |
| RP-39 | | RP-080100 | 2315 |  | Addition of GCF WI-24 Network Sharing test case 6.1.2.11 to HSU\_ENH\_r6 ATS v6.4.0 | B | 6.5.0 | 6.6.0 | R5s070501 |
| RP-39 | | RP-080100 | 2316 |  | Addition of GCF WI-25 EDCH RRC test case 8.2.2.44a | B | 6.5.0 | 6.6.0 | R5s070506 |
| RP-39 | | RP-080100 | 2317 |  | Summary of regression errors in the wk43 InterRAT ATSs. | F | 6.5.0 | 6.6.0 | R5s070486 |
| RP-39 | | RP-080092 | 2318 |  | TTCN Correction in testcase 8.4.1.42 | F | 6.5.0 | 6.6.0 | R5s070498 |
| RP-39 | | RP-080092 | 2319 |  | Correction to the TTCN to update ASP G\_CL1\_ComingFN\_REQ | F | 6.5.0 | 6.6.0 | R5s070496 |
| RP-39 | | RP-080092 | 2320 |  | Summary of regression errors in wk43 ATS | F | 6.5.0 | 6.6.0 | R5s070280 |
| RP-39 | | RP-080100 | 2321 |  | Corrections to GCF WI-24 Network Sharing test case 6.2.2.4 | F | 6.5.0 | 6.6.0 | R5s070494 |
| RP-39 | | RP-080092 | 2322 |  | Summary of regression errors in wk43 ATS | F | 6.5.0 | 6.6.0 | R5s070495 |
| RP-39 | | RP-080092 | 2323 |  | Correction to testcase 8.2.6.37, 8.2.6.37b & 8.3.4.3 | F | 6.5.0 | 6.6.0 | R5s070485 |
| RP-39 | | RP-080100 | 2324 |  | Addition of MBMS RAB test case 14.4.7 | B | 6.5.0 | 6.6.0 | R5s070233 |
| RP-39 | | RP-080101 | 2325 |  | Addition of MBMS RAB test case 14.4.6 | B | 6.5.0 | 6.6.0 | R5s070241 |
| RP-39 | | RP-080101 | 2326 |  | Addition of MBMS RRC test case 8.5.1.5 | B | 6.5.0 | 6.6.0 | R5s070252 |
| RP-39 | | RP-080101 | 2327 |  | Addition of MBMS RRC test case 8.5.1.4 | B | 6.5.0 | 6.6.0 | R5s070250 |
| RP-39 | | RP-080101 | 2328 |  | Addition of MBMS RRC test case 8\_5\_4\_3 | B | 6.5.0 | 6.6.0 | R5s080010 |
| RP-39 | | RP-080101 | 2329 |  | Addition of GCF WI 49 RRC MBMS test case 8.5.2.2 | B | 6.5.0 | 6.6.0 | R5s080008 |
| RP-39 | | RP-080092 | 2330 |  | Summary of regression errors in wk03 ATS | F | 6.5.0 | 6.6.0 | R5s080035 |
| RP-39 | | RP-080092 | 2331 |  | Correction to GCF WI-10 RRC Testcase 8.4.1.42 | F | 6.5.0 | 6.6.0 | R5s080023 |
| RP-39 | | RP-080101 | 2332 |  | Addition of GCF WI 25 HSUPA RAB test case 14.7.7 | B | 6.5.0 | 6.6.0 | R5s080033 |
| RP-39 | | RP-080101 | 2333 |  | Addition of GCF WI 25 HSUPA RAB test case 14.7.6 | B | 6.5.0 | 6.6.0 | R5s080031 |
| RP-39 | | RP-080092 | 2334 |  | TTCN Correction in testcase 8.1.1.9 | F | 6.5.0 | 6.6.0 | R5s080028 |
| RP-39 | | RP-080094 | 2335 |  | TTCN Correction in testcase 8.1.6.5 | F | 6.5.0 | 6.6.0 | R5s080024 |
| RP-39 | | RP-080092 | 2336 |  | Correction to testcase 8.4.1.42 | F | 6.5.0 | 6.6.0 | R5s080027 |
| RP-39 | | RP-080092 | 2337 |  | Correction to testcase 8.3.4.1 & 8.3.4.2 | F | 6.5.0 | 6.6.0 | R5s080026 |
| RP-39 | | RP-080092 | 2338 |  | Correction to Interband Testcase 8.3.1.1a | F | 6.5.0 | 6.6.0 | R5s080022 |
| RP-39 | | RP-080092 | 2339 |  | Correction to testcase 12.4.1.4c2 | F | 6.5.0 | 6.6.0 | R5s080025 |
| RP-39 | | RP-080098 | 2268 |  | Production of pointer version 6.6.0 of TS 34.123-3 with no technical contents | F | 6.5.0 | 6.6.0 | R5-080554 |
| RP-39 | |  |  |  | Upgraded to Rel-7 without technical change (on request of RAN5) |  | 6.6.0 | 7.0.0 |  |
| RP-40 | | RP-080430 | 2381 |  | ASP corrections for Rel-7 test model |  | 7.0.0 | 7.1.0 | [R5-081510](../../../../../../../../C:%5CISI%5CRAN5%5Cisi_prod%5CTdoc%5CR5-081510.zip) |
| RP-40 | | RP-080429 | 2382 |  | ASP improvement when configuring MICH and PICH |  | 7.0.0 | 7.1.0 | [R5-081523](../../../../../../../../C:%5CISI%5CRAN5%5Cisi_prod%5CTdoc%5CR5-081523.zip) |
| RP-40 | | RP-080363 | 2383 |  | R99 TSO routine maintenance |  | 7.0.0 | 7.1.0 | [R5-081058](../../../../../../../../C:%5CISI%5CRAN5%5Cisi_prod%5CTdoc%5CR5-081058.zip) |
| RP-40 | | RP-080430 | 2384 |  | PIXIT for UE LCS Notification timeout timer added |  | 7.0.0 | 7.1.0 | [R5-081571](../../../../../../../../C:%5CISI%5CRAN5%5Cisi_prod%5CTdoc%5CR5-081571.zip) |
| RP-40 | | RP-080370 | 2385 |  | Guidance of test execution when Introducing Operating Bands XII, XIII and XIV |  | 7.0.0 | 7.1.0 | [R5-081536](../../../../../../../../C:%5CISI%5CRAN5%5Cisi_prod%5CTdoc%5CR5-081536.zip) |
| RP-40 | | RP-080366 | 2340 |  | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A |  | 7.0.0 | 7.1.0 | - |
| RP-40 | | RP-080367 | 2341 |  | Addition of GCF WI 49 RRC MBMS test case 8.5.2.3 |  | 7.0.0 | 7.1.0 | R5s080016 |
| RP-40 | | RP-080367 | 2342 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.5.8 |  | 7.0.0 | 7.1.0 | R5s080018 |
| RP-40 | | RP-080367 | 2343 |  | Addition of GCF WI 49 MBMS test case 7.2.4.2 |  | 7.0.0 | 7.1.0 | R5s080020 |
| RP-40 | | RP-080367 | 2344 |  | Addition to MBMS RLC test case 7.2.4.3 |  | 7.0.0 | 7.1.0 | R5s080029 |
| RP-40 | | RP-080367 | 2345 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.4.2 |  | 7.0.0 | 7.1.0 | R5s080038 |
| RP-40 | | RP-080367 | 2346 |  | Addition of GCF WI 49 RRC MBMS test case 12.9.16 |  | 7.0.0 | 7.1.0 | R5s080041 |
| RP-40 | | RP-080367 | 2347 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.3.1 |  | 7.0.0 | 7.1.0 | R5s080043 |
| RP-40 | | RP-080367 | 2348 |  | Addition of GCF WI 24 RRC test case 8.1.1.6a |  | 7.0.0 | 7.1.0 | R5s080050 |
| RP-40 | | RP-080367 | 2349 |  | Addition of InterRAT test case 8.3.7.1a |  | 7.0.0 | 7.1.0 | R5s080053 |
| RP-40 | | RP-080367 | 2350 |  | Addition of GCF WI-49-MBMS RRC test case 8.5.6.1 |  | 7.0.0 | 7.1.0 | R5s080047 |
| RP-40 | | RP-080367 | 2351 |  | Addition of E-DCH MAC test case 7.1.6.4.1 to HSU\_ENH\_r6 ATS |  | 7.0.0 | 7.1.0 | R5s080060 |
| RP-40 | | RP-080367 | 2352 |  | Addition of GCF WI 49 MBMS NAS test case 11.8.2 |  | 7.0.0 | 7.1.0 | R5s080065 |
| RP-40 | | RP-080367 | 2353 |  | Addition of GCF WI 49 RRC MBMS test case 8.5.3.3 |  | 7.0.0 | 7.1.0 | R5s080080 |
| RP-40 | | RP-080367 | 2354 |  | Addition of GCF WI 49 MBMS RRC test case 8.5.2.4 |  | 7.0.0 | 7.1.0 | R5s080083 |
| RP-40 | | RP-080367 | 2355 |  | Addition of MBMS RAB test case 14.6.10 |  | 7.0.0 | 7.1.0 | R5s080088 |
| RP-40 | | RP-080367 | 2356 |  | Addition of MBMS RAB test case 14.6.9 and 14.6.10 |  | 7.0.0 | 7.1.0 | R5s080086 |
| RP-40 | | RP-080367 | 2357 |  | Correction to Selection Expression for test cases 16.1.9.1 and 16.1.9.2 |  | 7.0.0 | 7.1.0 | R5s080037 |
| RP-40 | | RP-080367 | 2358 |  | Correction to Testcase selection expressions of 8.1.7.1c, 8.2.6.39, 8.2.6.44, 8.3.1.25, 8.3.1.30, 8.2.3.36 |  | 7.0.0 | 7.1.0 | R5s080040 |
| RP-40 | | RP-080367 | 2359 |  | Correction to GCF WI-14 HSDPA RRC Testcase 8.2.2.42 |  | 7.0.0 | 7.1.0 | R5s080045 |
| RP-40 | | RP-080367 | 2360 |  | Correction to GCF WI-14 HSDPA RRC Testcase 8.2.3.33 |  | 7.0.0 | 7.1.0 | R5s080046 |
| RP-40 | | RP-080368 | 2361 |  | TTCN Correction in testcases 8.1.1.7, 8.1.1.8, 8.1.1.10 |  | 7.0.0 | 7.1.0 | R5s080049 |
| RP-40 | | RP-080368 | 2362 |  | Correction to Rel-5 RAB test cases |  | 7.0.0 | 7.1.0 | R5s080052 |
| RP-40 | | RP-080368 | 2363 |  | Summary of regression errors in wk07 ATS |  | 7.0.0 | 7.1.0 | R5s080055 |
| RP-40 | | RP-080368 | 2364 |  | Correction to GCF WI-49 MBMS RRC test case 8.5.1.5 |  | 7.0.0 | 7.1.0 | R5s080057 |
| RP-40 | | RP-080368 | 2365 |  | Summary of regression errors in wk07 MBMS ATS |  | 7.0.0 | 7.1.0 | R5s080058 |
| RP-40 | | RP-080368 | 2366 |  | Correction to E-DCH RRC testcase 8.2.6.52 |  | 7.0.0 | 7.1.0 | R5s080059 |
| RP-40 | | RP-080368 | 2367 |  | Summary of regression errors in MBMS wk10 ATS |  | 7.0.0 | 7.1.0 | R5s080064 |
| RP-40 | | RP-080368 | 2368 |  | Summary of regression errors in wk10 ATS |  | 7.0.0 | 7.1.0 | R5s080062 |
| RP-40 | | RP-080368 | 2369 |  | Correction of UE radio access capability extension |  | 7.0.0 | 7.1.0 | R5s080070 |
| RP-40 | | RP-080368 | 2370 |  | Summary of regression errors in 08wk10 MBMS ATS |  | 7.0.0 | 7.1.0 | R5s080071 |
| RP-40 | | RP-080368 | 2371 |  | Correction to Selection Expression for test cases 9.4.5.2, 9.5.2, 9.5.4, 9.5.5 and 9.5.7.1 |  | 7.0.0 | 7.1.0 | R5s080075 |
| RP-40 | | RP-080368 | 2372 |  | ASP update for Explicit TFC restriction |  | 7.0.0 | 7.1.0 | R5s080068 |
| RP-40 | | RP-080368 | 2373 |  | Correction to RAB test cases |  | 7.0.0 | 7.1.0 | R5s080056 |
| RP-40 | | RP-080368 | 2374 |  | Correction of handling of Structured Type- and Tabular Pdu types constraints in all 3GPP UMTS ATSs. |  | 7.0.0 | 7.1.0 | R5s080069 |
| RP-40 | | RP-080368 | 2375 |  | Configuration of associated physical channels. |  | 7.0.0 | 7.1.0 | R5s080074 |
| RP-40 | | RP-080368 | 2376 |  | Correction to MICH configuration. |  | 7.0.0 | 7.1.0 | R5s080076 |
| RP-40 | | RP-080368 | 2377 |  | Summary of regression errors in D08wk10 for GCF WI-025 |  | 7.0.0 | 7.1.0 | R5s080082 |
| RP-40 | | RP-080368 | 2378 |  | Baseline upgrade to March-08 Rel-7 |  | 7.0.0 | 7.1.0 | R5s080067 |
| RP-40 | | RP-080368 | 2379 |  | Correction to GCF WI-49 MBMS RRC test case 7.2.4.3 |  | 7.0.0 | 7.1.0 | R5s080090 |
| RP-40 | | RP-080368 | 2380 |  | Correction to SMS test cases 16.2.1 and 16.2.2 |  | 7.0.0 | 7.1.0 | R5s080079 |
| RP-41 | | RP-080613 | 2386 | - | Documentation of TTCN routine maintenance | F | 7.1.0 | 7.2.0 | R5-083585 |
| RP-41 | | RP-080613 | 2387 | - | ASP corrections for Rel-7 | F | 7.1.0 | 7.2.0 | R5-083637 |
| RP-41 | | RP-080653 | 2388 |  | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 7.1.0 | 7.2.0 | - |
| RP-41 | | RP-080613 | 2389 |  | Correction to the HSDPA RRC testcase 8.2.1.29, 8.2.1.31 and 8.2.1.32 | F | 7.1.0 | 7.2.0 | R5s080102 |
| RP-41 | | RP-080613 | 2390 |  | Summary of regression errors in wk17 ATS | F | 7.1.0 | 7.2.0 | R5s080092 |
| RP-41 | | RP-080613 | 2391 | - | Correction to Selection Expression for test case 12.3.1.5 | F | 7.1.0 | 7.2.0 | R5s080103 |
| RP-41 | | RP-080613 | 2392 | - | Correction to RRC test case 8.3.2.1a | F | 7.1.0 | 7.2.0 | R5s080094 |
| RP-41 | | RP-080613 | 2393 | - | Correction to RAB "Combinations on SCCPCH" Test Cases | F | 7.1.0 | 7.2.0 | R5s080099 |
| RP-41 | | RP-080613 | 2394 | - | Regression CR for Wk16 on IR\_U Test cases | F | 7.1.0 | 7.2.0 | R5s080091 |
| RP-41 | | RP-080613 | 2395 | - | Correction to the IR\_U test case 6.2.2.3 | F | 7.1.0 | 7.2.0 | R5s080097 |
| RP-41 | | RP-080613 | 2396 | - | Correction to the RRC testcase 8.3.1.18 | F | 7.1.0 | 7.2.0 | R5s080095 |
| RP-41 | | RP-080613 | 2397 | - | Correction to RLP implementation in wk17 ATS. | F | 7.1.0 | 7.2.0 | R5s080098 |
| RP-41 | | RP-080613 | 2398 | - | Corrections to GCF WI-010 RRC test cases 8\_1\_7\_1 | F | 7.1.0 | 7.2.0 | R5s080100 |
| RP-41 | | RP-080613 | 2399 | - | Upgrade RRC asn.1 for Rel-7 | F | 7.1.0 | 7.2.0 | R5s080093 |
| RP-41 | | RP-080613 | 2400 | - | Correction to test cases 8.3.1.34, 8.3.1.35, 8.3.1.36 and 8.3.1.37 | F | 7.1.0 | 7.2.0 | R5s080104 |
| RP-41 | | RP-080613 | 2401 | - | Correction to GCF testcase 8.4.1.2 | F | 7.1.0 | 7.2.0 | R5s080072 |
| RP-41 | | RP-080613 | 2402 | - | Addition of GCF WI-24 Network Sharing test case 6.2.1.11 to HSU\_ENH\_r6 ATS v7.0.0 | F | 7.1.0 | 7.2.0 | R5s080077 |
| RP-41 | | RP-080613 | 2403 | - | TTCN Correction in test cases 8.1.1.7, 8.1.1.8, 8.1.1.10, 8.1.2.16 | F | 7.1.0 | 7.2.0 | R5s080105 |
| RP-41 | | RP-080613 | 2404 | - | Correction to HSUPA RRC Test case 8.3.1.42a | F | 7.1.0 | 7.2.0 | R5s080108 |
| RP-41 | | RP-080613 | 2405 | - | Summary of regression errors in wk21 ATS | F | 7.1.0 | 7.2.0 | R5s080110 |
| RP-41 | | RP-080613 | 2406 | - | Addition of GCF WI-025 EDCH MAC test case 7.1.6.2.5 to HSU\_ENH\_r6 ATS v7.0.0 | F | 7.1.0 | 7.2.0 | R5s080106 |
| RP-41 | | RP-080613 | 2407 | - | Renaming of test suite parameter pc\_MS\_ClsmkA5\_3 to pc\_MS\_ClsmkA5\_3\_Bool | F | 7.1.0 | 7.2.0 | R5s080112 |
| RP-41 | | RP-080613 | 2408 | - | Correction to E-DCH GCF WI-25 test case 8.2.2.45 | F | 7.1.0 | 7.2.0 | R5s080113 |
| RP-41 | | RP-080614 | 2409 | - | Correction to GCF WI-10 RAB test cases | F | 7.1.0 | 7.2.0 | R5s080118 |
| RP-41 | | RP-080614 | 2410 | - | Correction to common test steps used in HSD ATS | F | 7.1.0 | 7.2.0 | R5s080129 |
| RP-41 | | RP-080614 | 2411 | - | Addition of GCF WI-068 Enhanced Layer2 MAC-ehs test case 7.1.5a.3 to HS\_ENH\_r7 ATS v7.1.0 | F | 7.1.0 | 7.2.0 | R5s080126 |
| RP-41 | | RP-080614 | 2412 | - | Addition of GCF WI-068 Enhanced Layer2 MAC-ehs test case 7.1.5a.2 to HS\_ENH\_r7 ATS v7.1.0 | F | 7.1.0 | 7.2.0 | R5s080124 |
| RP-41 | | RP-080614 | 2413 | - | Addition of GCF WI-068 Enhanced Layer2 MAC-ehs test case 7.1.5a.1 to HS\_ENH\_r7 ATS v7.1.0 | F | 7.1.0 | 7.2.0 | R5s080122 |
| RP-41 | | RP-080614 | 2414 | - | Correction to testcase 8.2.2.18 | F | 7.1.0 | 7.2.0 | R5s080132 |
| RP-41 | | RP-080614 | 2415 | - | Correction to RLP handling in default procedures | F | 7.1.0 | 7.2.0 | R5s080133 |
| RP-41 | | RP-080614 | 2416 | - | Corrections to GCF WI-024 Network Sharing test case 6.2.1.11 | F | 7.1.0 | 7.2.0 | R5s080131 |
| RP-41 | | RP-080614 | 2417 | - | Correction to the definition of the structure "SI6RO". | F | 7.1.0 | 7.2.0 | R5s080128 |
| RP-41 | | RP-080614 | 2418 | - | ASP update for Rel-7 test model | F | 7.1.0 | 7.2.0 | R5s080121 |
| RP-41 | | RP-080614 | 2419 | - | Correction of Traffic Volume Measurement Procedure for GCF WI-010 RRC TCs | F | 7.1.0 | 7.2.0 | R5s080120 |
| RP-41 | | RP-080614 | 2420 | - | TTCN Correction in test case 8.2.2.43 | F | 7.1.0 | 7.2.0 | R5s080141 |
| RP-41 | | RP-080614 | 2421 | - | Correction to Test cases tc\_16\_1\_1,tc\_16\_1\_2,tc\_16\_1\_9\_2,tc\_9\_5\_7\_2,tc\_10\_1\_2\_6\_6,tc\_10\_1\_2\_7\_1,tc\_10\_1\_2\_7\_2,tc\_10\_1\_2\_7\_3 | F | 7.1.0 | 7.2.0 | R5s080136 |
| RP-41 | | RP-080614 | 2422 | - | TTCN Correction in test case 8.1.1.11 | F | 7.1.0 | 7.2.0 | R5s080140 |
| RP-41 | | RP-080614 | 2423 | - | Addition of GCF Enhanced Layer2 MAC-ehs test case 7.1.5a.4 to HS\_ENH\_r7 ATS v7.1.0 | F | 7.1.0 | 7.2.0 | R5s080134 |
| RP-41 | | RP-080614 | 2424 | - | Summary of regression errors in wk27 ATS | F | 7.1.0 | 7.2.0 | R5s080142 |
| RP-41 | | RP-080614 | 2425 | - | Correction to Test cases tc\_8\_3\_7\_2 and tc\_8\_3\_7\_3 | F | 7.1.0 | 7.2.0 | R5s080147 |
| RP-41 | | RP-080614 | 2426 | - | Correction to TTCN for the RRC test cases 8.1.3.9, 8.2.6.37, 8.2.6.37b | F | 7.1.0 | 7.2.0 | R5s080149 |
| RP-41 | | RP-080614 | 2427 | - | Correction to HSUPA test case 14.7.6 and 14.7.7 | F | 7.1.0 | 7.2.0 | R5s080150 |
| RP-42 | | RP-080960 | 2428 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 7.2.0 | 7.3.0 | - |
| RP-42 | | RP-080957 | 2429 | - | Summary of regression errors in MBMS wk21 ATS | F | 7.2.0 | 7.3.0 | R5s080111 |
| RP-42 | | RP-080957 | 2430 | - | Correction to GCF WI 10 and WI 14 RRC test cases | F | 7.2.0 | 7.3.0 | R5s080156 |
| RP-42 | | RP-080957 | 2431 | - | Summary of regression errors in wk27 ATSs | F | 7.2.0 | 7.3.0 | R5s080154 |
| RP-42 | | RP-080957 | 2432 | - | Correction to RRC test case 8.4.1.2 | F | 7.2.0 | 7.3.0 | R5s080155 |
| RP-42 | | RP-080957 | 2433 | - | Correction to RAB R5 test cases | F | 7.2.0 | 7.3.0 | R5s080153 |
| RP-42 | | RP-080957 | 2434 | - | Correction to the test step ts\_TestPointExecute\_Rb25 | F | 7.2.0 | 7.3.0 | R5s080157 |
| RP-42 | | RP-080957 | 2435 | - | Correction to Rel-7 MAC test case 7.1.5a.4 | F | 7.2.0 | 7.3.0 | R5s080159 |
| RP-42 | | RP-080957 | 2436 | - | Correction to Rel-7 MAC test cases 7.1.5a.1 and 7.1.5a.2 | F | 7.2.0 | 7.3.0 | R5s080160 |
| RP-42 | | RP-080957 | 2437 | - | Correction to RAB Test cases | F | 7.2.0 | 7.3.0 | R5s080158 |
| RP-42 | | RP-080957 | 2438 | - | Addition of GCF WI-025 HSUPA testcase 7.1.6.2.6 to HSU\_ENH\_r6 ATS v7.1.0 | B | 7.2.0 | 7.3.0 | R5s080161 |
| RP-42 | | RP-080957 | 2439 | - | Summary of regression errors in wk36 ATS | F | 7.2.0 | 7.3.0 | R5s080163 |
| RP-42 | | RP-080957 | 2440 | - | Correction to testcase 14.7.6 & 14.7.7 | F | 7.2.0 | 7.3.0 | R5s080166 |
| RP-42 | | RP-080957 | 2441 | - | Correction to testcase 8.4.1.27 | F | 7.2.0 | 7.3.0 | R5s080164 |
| RP-42 | | RP-080957 | 2442 | - | Summary of regression errors in wk36 ATS | F | 7.2.0 | 7.3.0 | R5s080173 |
| RP-42 | | RP-080957 | 2443 | - | TTCN Correction in test cases 8.2.6.39,8.2.6.44,8.3.1.25 and 8.3.1.30 | F | 7.2.0 | 7.3.0 | R5s080170 |
| RP-42 | | RP-080957 | 2444 | - | Correction to GCF WI-10 IR\_U Testcase 8.3.9.1 | F | 7.2.0 | 7.3.0 | R5s080172 |
| RP-42 | | RP-080957 | 2445 | - | Correction to GCF WI 25 HSUPA MAC test case 7.1.6.2.9 | F | 7.2.0 | 7.3.0 | R5s080169 |
| RP-42 | | RP-080957 | 2446 | - | Addition of Rel7 CPC RRC testcase 8.2.1.38 to HS\_ENH\_r6 ATS v7.1.0 | B | 7.2.0 | 7.3.0 | R5s080174 |
| RP-42 | | RP-080957 | 2447 | - | Addition of Rel7 CPC RRC testcase 8.1.2.19 to HS\_ENH\_r7 ATS v7.2.0 | B | 7.2.0 | 7.3.0 | R5s080178 |
| RP-42 | | RP-080957 | 2448 | - | Correction to GCF WI 25 HSUPA RRC test cases | F | 7.2.0 | 7.3.0 | R5s080181 |
| RP-42 | | RP-080958 | 2449 | - | Correction to No. of HARQ Process in RAB test cases for HSDPA CAT 10 UE | F | 7.2.0 | 7.3.0 | R5s080183 |
| RP-42 | | RP-080958 | 2450 | - | Correction in the preamble test step ts\_GMM\_IdleUpdated to include USIM insertion related MMI command. | F | 7.2.0 | 7.3.0 | R5s080184 |
| RP-42 | | RP-080958 | 2451 | - | Correction to RRC test cases for RLP | F | 7.2.0 | 7.3.0 | R5s080182 |
| RP-42 | | RP-080958 | 2452 | - | Addition of Rel7 CPC RRC testcase 8.2.2.56 to HS\_ENH\_r7 ATS v7.2.0 | B | 7.2.0 | 7.3.0 | R5s080176 |
| RP-42 | | RP-080958 | 2453 | - | TTCN Correction to Test case tc\_8\_4\_1\_42 | F | 7.2.0 | 7.3.0 | R5s080185 |
| RP-42 | | RP-080958 | 2454 | - | TTCN Correction to Test cases tc\_8\_2\_6\_39 and tc\_8\_2\_6\_44 | F | 7.2.0 | 7.3.0 | R5s080180 |
| RP-42 | | RP-080958 | 2455 | - | Correction to the test step used to send CLOSE UE TEST LOOP in MBMS testcases | F | 7.2.0 | 7.3.0 | R5s080287 |
| RP-42 | | RP-080958 | 2456 | - | Correction to GCF WI 14 HSDPA RRC test case 8.3.1.34 | F | 7.2.0 | 7.3.0 | R5s080290 |
| RP-42 | | RP-080958 | 2457 | - | Addition of Rel7 CPC RRC InterRAT testcase 8.3.11.15 to HS\_ENH\_r7 ATS v7.2.0 | B | 7.2.0 | 7.3.0 | R5s080291 |
| RP-42 | | RP-080958 | 2458 | - | Addition of Rel7 CPC RRC testcase 8.2.2.54 to HS\_ENH\_r7 ATS v7.2.0 | B | 7.2.0 | 7.3.0 | R5s080295 |
| RP-42 | | RP-080958 | 2459 | - | Correction to the CPC testcase 8.2.1.38 | F | 7.2.0 | 7.3.0 | R5s080297 |
| RP-42 | | RP-080958 | 2460 | - | Correction to the CPC testcase 8.1.2.19 | F | 7.2.0 | 7.3.0 | R5s080298 |
| RP-42 | | RP-080958 | 2461 | - | Addition of Rel7 CPC RRC testcase 8.2.2.52 to HS\_ENH\_r7 ATS v7.2.0 | B | 7.2.0 | 7.3.0 | R5s080288 |
| RP-42 | | RP-080958 | 2462 | - | New PIXIT for RAB test cases execution | F | 7.2.0 | 7.3.0 | R5-085056 |
| RP-42 | | RP-080958 | 2463 | - | Rel-7 test model enhancement for LCR TDD | F | 7.2.0 | 7.3.0 | R5-085436 |
| RP-42 | | RP-080958 | 2464 | - | Rel-7 test model routine maintenance | F | 7.2.0 | 7.3.0 | R5-085437 |
| RP-42 | | RP-081067 | 2465 |  | To add new RAB test case 18.1.2.13.1 to the LCR TDD RAB ATS | B | 7.2.0 | 7.3.0 | R5s080232 |
| RP-42 | | RP-081067 | 2466 |  | To add new HSD\_ENH test case 8.3.1.37 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080284 |
| RP-42 | | RP-081067 | 2467 |  | To add new HSD\_ENH test case 8.3.1.36 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080282 |
| RP-42 | | RP-081067 | 2468 |  | To add new HSD\_ENH test case 8.3.1.35 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080280 |
| RP-42 | | RP-081067 | 2469 |  | To add new HSD\_ENH test case 8.3.1.34 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080278 |
| RP-42 | | RP-081067 | 2470 |  | To add new HSD\_ENH test case 8.3.1.32 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080276 |
| RP-42 | | RP-081067 | 2471 |  | To add new HSD\_ENH test case 8.2.6.49 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080274 |
| RP-42 | | RP-081067 | 2472 |  | To add new HSD\_ENH test case 8.2.6.46 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080272 |
| RP-42 | | RP-081067 | 2473 |  | To add new HSD\_ENH test case 8.2.6.42 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080270 |
| RP-42 | | RP-081067 | 2474 |  | To add new HSD\_ENH test case 8.2.6.40a to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080268 |
| RP-42 | | RP-081067 | 2475 |  | To add new HSD\_ENH test case 8.2.6.39b to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080266 |
| RP-42 | | RP-081067 | 2476 |  | To add new HSD\_ENH test case 8.2.3.35 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080264 |
| RP-42 | | RP-081067 | 2477 |  | To add new HSD\_ENH test case 8.2.3.34 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080262 |
| RP-42 | | RP-081067 | 2478 |  | To add new HSD\_ENH test case 8.2.3.33 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080260 |
| RP-42 | | RP-081067 | 2479 |  | To add new HSD\_ENH test case 8.2.3.32 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080258 |
| RP-42 | | RP-081067 | 2480 |  | To add new HSD\_ENH test case 8.2.3.30 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080256 |
| RP-42 | | RP-081067 | 2481 |  | To add new HSD\_ENH test case 8.2.2.42 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080254 |
| RP-42 | | RP-081067 | 2482 |  | To add new HSD\_ENH test case 8.2.2.41 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080252 |
| RP-42 | | RP-081067 | 2483 |  | To add new HSD\_ENH test case 8.2.2.40 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080250 |
| RP-42 | | RP-081067 | 2484 |  | To add new HSD\_ENH test case 8.2.2.39 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080248 |
| RP-42 | | RP-081067 | 2485 |  | To add new HSD\_ENH test case 8.2.2.38 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080246 |
| RP-42 | | RP-081067 | 2486 |  | To add new HSD\_ENH test case 8.2.1.32 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080244 |
| RP-42 | | RP-081067 | 2487 |  | To add new HSD\_ENH test case 8.2.1.31 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080242 |
| RP-42 | | RP-081067 | 2488 |  | To add new HSD\_ENH test case 8.2.1.30 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080240 |
| RP-42 | | RP-081067 | 2489 |  | To add new HSD\_ENH test case 8.2.1.29 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080238 |
| RP-42 | | RP-081068 | 2490 |  | To add new HSD\_ENH test case 8.2.1.28 to the LCR TDD HSD\_ENH ATS | B | 7.2.0 | 7.3.0 | R5s080236 |
| RP-42 | | RP-081068 | 2491 |  | To add new RAB test case 18.1.2.27 to the LCR TDD RAB ATS | B | 7.2.0 | 7.3.0 | R5s080234 |
| RP-42 | | RP-081068 | 2492 |  | To add new NAS test case 12.9.9 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080230 |
| RP-42 | | RP-081068 | 2493 |  | To add new NAS test case 12.9.8 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080228 |
| RP-42 | | RP-081068 | 2494 |  | To add new NAS test case 12.6.1.3.2 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080226 |
| RP-42 | | RP-081068 | 2495 |  | To add new NAS test case 12.6.1.3.1 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080224 |
| RP-42 | | RP-081068 | 2496 |  | To add new NAS test case 12.6.1.2 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080222 |
| RP-42 | | RP-081068 | 2497 |  | To add new NAS test case 12.6.1.1 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080220 |
| RP-42 | | RP-081068 | 2498 |  | To add new NAS test case 12.2.1.6.2 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080218 |
| RP-42 | | RP-081068 | 2499 |  | To add new NAS test case 12.2.1.6.1 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080216 |
| RP-42 | | RP-081068 | 2500 |  | To add new NAS test case 12.2.1.5a.2 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080214 |
| RP-42 | | RP-081068 | 2501 |  | To add new NAS test case 11.3.2 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080212 |
| RP-42 | | RP-081068 | 2502 |  | To add new NAS test case 9.5.5 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080210 |
| RP-42 | | RP-081068 | 2503 |  | To add new NAS test case 9.2.4 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080206 |
| RP-42 | | RP-081068 | 2504 |  | To add new NAS test case 9.2.3 to the LCR TDD NAS ATS | B | 7.2.0 | 7.3.0 | R5s080204 |
| RP-42 | | RP-081068 | 2505 |  | To add new RRC test case 8.2.2.7 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080202 |
| RP-42 | | RP-081068 | 2506 |  | To add new RRC test case 8.2.2.4 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080200 |
| RP-42 | | RP-081068 | 2507 |  | To add new RRC test case 8.2.1.24 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080198 |
| RP-42 | | RP-081068 | 2508 |  | To add new RRC test case 8.2.1.10 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080196 |
| RP-42 | | RP-081068 | 2509 |  | To add new RRC test case 8.2.1.7 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080194 |
| RP-42 | | RP-081068 | 2510 |  | To add new RRC test case 8.2.1.4 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080192 |
| RP-42 | | RP-081068 | 2511 |  | To add new RRC test case 8.2.1.1 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080190 |
| RP-42 | | RP-081068 | 2512 |  | To add new RRC test case 8.1.6.1 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080188 |
| RP-42 | | RP-081068 | 2513 |  | To add new RRC test case 8.1.2.9 to the LCR TDD RRC ATS | B | 7.2.0 | 7.3.0 | R5s080186 |
| SP-42 | | - |  |  | Update of TS 34.123-3 from Rel-7 to Rel-8 |  | 7.3.0 | 8.0.0 | - |
| RP-43 | | RP-090205 | 2514 |  | Update of TS 34.123-3 from Rel-7 to Rel-8 | F | 8.0.0 | 8.1.0 | R5-090767 |
| RP-43 | | RP-090206 | 2515 |  | Correction to Rel-7 CPC test cases 8.3.1.44 | F | 8.0.0 | 8.1.0 | R5s090016 |
| RP-43 | | RP-090206 | 2516 |  | Correction of GCF WI-068 Improved L2 Flexible RLC AM test case  7.2.3.36 | F | 8.0.0 | 8.1.0 | R5s090008 |
| RP-43 | | RP-090206 | 2517 |  | Addition of GCF WI-070 CPC RRC testcase 8.2.6.61 to HS\_ENH\_r7 ATS v7.2.0 | B | 8.0.0 | 8.1.0 | R5s090002 |
| RP-43 | | RP-090206 | 2518 |  | Correction to the GCF WI 25 HSUPA RRC test case 8.2.6.52 | F | 8.0.0 | 8.1.0 | R5s090001 |
| RP-43 | | RP-090206 | 2519 |  | Correction to RRC test cases 8.2.6.39 and 8.2.6.44 | F | 8.0.0 | 8.1.0 | R5s090015 |
| RP-43 | | RP-090206 | 2520 |  | Addition of GCF WI-068 RAB test case 14.6.1b to HS\_ENH\_r7 ATS | B | 8.0.0 | 8.1.0 | R5s090009 |
| RP-43 | | RP-090206 | 2521 |  | Summary of Regressions Error for HS\_ENH\_r7 wk50 | F | 8.0.0 | 8.1.0 | R5s090011 |
| RP-43 | | RP-090206 | 2522 |  | Addition of GCF WI 70 CPC RRC test case 8.2.6.59 | B | 8.0.0 | 8.1.0 | R5s090006 |
| RP-43 | | RP-090206 | 2523 |  | Correction to Rel-7 CPC testcase 8.3.1.46 | F | 8.0.0 | 8.1.0 | R5s090013 |
| RP-43 | | RP-090206 | 2524 |  | Correction to GCF WI-24 HSU\_ENH Testcase 6.2.1.11 | F | 8.0.0 | 8.1.0 | R5s090012 |
| RP-43 | | RP-090206 | 2525 |  | Addition of GCF WI 70 CPC RRC test case 8.3.1.46 | B | 8.0.0 | 8.1.0 | R5s080328 |
| RP-43 | | RP-090206 | 2526 |  | Corrections to HS-ENH-R7 wk48 ATS | F | 8.0.0 | 8.1.0 | R5s080323 |
| RP-43 | | RP-090206 | 2527 |  | Addition of GCF WI-068 Improved L2 Flexible RLC AM test case 7.2.3.36 to HS\_ENH\_r7ATS v7.2.0 | B | 8.0.0 | 8.1.0 | R5s080311 |
| RP-43 | | RP-090206 | 2528 |  | Addition of Rel7 Improved L2 Flexible RLC UM testcase 7.2.2.14 to HS\_ENH\_r7 ATS v7.2.0 | B | 8.0.0 | 8.1.0 | R5s080309 |
| RP-43 | | RP-090206 | 2529 |  | Correction to the test case 8.3.1.40 | F | 8.0.0 | 8.1.0 | R5s080325 |
| RP-43 | | RP-090206 | 2530 |  | Addition of HSDPA SM test case 11.1.1.1a | B | 8.0.0 | 8.1.0 | R5s080326 |
| RP-43 | | RP-090206 | 2531 |  | Addition of Rel7 CPC RRC testcase 8.2.6.57 to HS\_ENH\_r7 ATS v7.2.0 | B | 8.0.0 | 8.1.0 | R5s080319 |
| RP-43 | | RP-090206 | 2532 |  | Addition of GCF WI-070 CPC RRC testcase 8.3.1.44 to HS\_ENH\_r7 ATS v7.2.0 | B | 8.0.0 | 8.1.0 | R5s080321 |
| RP-43 | | RP-090206 | 2533 |  | Correction to NAS test case 12\_4\_1\_4a | F | 8.0.0 | 8.1.0 | R5s080324 |
| RP-43 | | RP-090206 | 2534 |  | Summary of Regression Errors in HS\_ENH\_r7 wk48 | F | 8.0.0 | 8.1.0 | R5s080318 |
| RP-43 | | RP-090206 | 2535 |  | Correction to the Rel-7 CPC testcases | F | 8.0.0 | 8.1.0 | R5s080305 |
| RP-43 | | RP-090206 | 2536 |  | Addition of Rel7 CPC RRC testcase 8.2.2.51 to HS\_ENH\_r7 ATS v7.2.0 | B | 8.0.0 | 8.1.0 | R5s080303 |
| RP-43 | | RP-090206 | 2537 |  | Correction to SIB5 and SIB5bis for IE "Frequency Band Indicator" for band VIII and higher | F | 8.0.0 | 8.1.0 | R5s080306 |
| RP-43 | | RP-090206 | 2538 |  | Correction in the preamble test steps for the automation of the majority of 34.123-1 test cases when the USIM removal without powering down is supported by the UE under test. | F | 8.0.0 | 8.1.0 | R5s080308 |
| RP-43 | | RP-090206 | 2539 |  | Correction to MBMS test step ts\_TriggerRequestPTPRB | F | 8.0.0 | 8.1.0 | R5s080301 |
| RP-43 | | RP-090206 | 2540 |  | Corrections to HS-ENH-R7 wk43 ATS | F | 8.0.0 | 8.1.0 | R5s080302 |
| RP-43 | | RP-090206 | 2541 |  | Addition of Rel7 CPC RRC testcase 8.2.6.60 to HS\_ENH\_r7 ATS v7.2.0 | B | 8.0.0 | 8.1.0 | R5s080293 |
| RP-43 | | RP-090206 | 2542 |  | Correction to NAS test case 12\_4\_1\_4b | F | 8.0.0 | 8.1.0 | R5s080300 |
| RP-43 | | RP-090206 | 2543 |  | LCR TDD: Addition of new test cases 12.2.1.2 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080450 |
| RP-43 | | RP-090206 | 2544 |  | LCR TDD: Addition of new test cases 18.1.2.4 to RAB ATS | B | 8.0.0 | 8.1.0 | R5s080448 |
| RP-43 | | RP-090206 | 2545 |  | LCR TDD: Addition of new test cases 16.2.2 to SMS ATS | B | 8.0.0 | 8.1.0 | R5s080446 |
| RP-43 | | RP-090206 | 2546 |  | LCR TDD: Addition of new test cases 16.2.1 to SMS ATS | B | 8.0.0 | 8.1.0 | R5s080444 |
| RP-43 | | RP-090206 | 2547 |  | LCR TDD: Addition of new test cases 16.1.9.1 to SMS ATS | B | 8.0.0 | 8.1.0 | R5s080442 |
| RP-43 | | RP-090206 | 2548 |  | LCR TDD: Addition of new test cases 12.9.7c to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080440 |
| RP-43 | | RP-090206 | 2549 |  | LCR TDD: Addition of new test cases 12.9.7b to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080438 |
| RP-43 | | RP-090206 | 2550 |  | LCR TDD: Addition of new test cases 12.9.7a to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080436 |
| RP-43 | | RP-090206 | 2551 |  | LCR TDD: Addition of new test cases 12.9.6 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080434 |
| RP-43 | | RP-090206 | 2552 |  | LCR TDD: Addition of new test cases 12.4.3.4 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080432 |
| RP-43 | | RP-090206 | 2553 |  | LCR TDD: Addition of new test cases 12.4.2.5a.1 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080430 |
| RP-43 | | RP-090206 | 2554 |  | LCR TDD: Addition of new test cases 12.4.2.1 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080428 |
| RP-43 | | RP-090206 | 2555 |  | LCR TDD: Addition of new test cases 12.4.1.4d.1 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080426 |
| RP-43 | | RP-090206 | 2556 |  | LCR TDD: Addition of new test cases 12.4.1.4c.1 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080424 |
| RP-43 | | RP-090206 | 2557 |  | LCR TDD: Addition of new test cases 12.4.1.3 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080422 |
| RP-43 | | RP-090206 | 2558 |  | LCR TDD: Addition of new test cases 12.4.1.2 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080420 |
| RP-43 | | RP-090206 | 2559 |  | LCR TDD: Addition of new test cases 12.4.1.1a to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080416 |
| RP-43 | | RP-090206 | 2560 |  | LCR TDD: Addition of new test cases 12.3.2.7 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080414 |
| RP-43 | | RP-090206 | 2561 |  | LCR TDD: Addition of new test cases 12.2.1.11 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080412 |
| RP-43 | | RP-090206 | 2562 |  | LCR TDD: Addition of new test cases 12.2.1.10 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080410 |
| RP-43 | | RP-090206 | 2563 |  | LCR TDD: Addition of new test cases 12.2.1.5d to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080408 |
| RP-43 | | RP-090206 | 2564 |  | LCR TDD: Addition of new test cases 12.2.1.5b to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080406 |
| RP-43 | | RP-090206 | 2565 |  | LCR TDD: Addition of new test cases 12.2.1.5a.1 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080404 |
| RP-43 | | RP-090206 | 2566 |  | LCR TDD: Addition of new test cases 9.4.5.2 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080402 |
| RP-43 | | RP-090206 | 2567 |  | LCR TDD: Addition of new test cases 9.4.2.4.1 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080400 |
| RP-43 | | RP-090206 | 2568 |  | LCR TDD: Addition of new test cases 9.4.1 to NAS ATS | B | 8.0.0 | 8.1.0 | R5s080398 |
| RP-43 | | RP-090206 | 2569 |  | LCR TDD: Addition of new test cases 8.4.1.8A to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080396 |
| RP-43 | | RP-090206 | 2570 |  | LCR TDD: Addition of new test cases 8.4.1.6A to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080394 |
| RP-43 | | RP-090206 | 2571 |  | LCR TDD: Addition of new test cases 8.4.1.5A to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080392 |
| RP-43 | | RP-090206 | 2572 |  | LCR TDD: Addition of new test cases 8.4.1.3A to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080390 |
| RP-43 | | RP-090206 | 2573 |  | LCR TDD: Addition of new test cases 8.4.1.2A to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080388 |
| RP-43 | | RP-090206 | 2574 |  | LCR TDD: Addition of new test cases 8.4.1.1A to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080386 |
| RP-43 | | RP-090206 | 2575 |  | LCR TDD: Addition of new test cases 8.3.3.1 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080384 |
| RP-43 | | RP-090206 | 2576 |  | LCR TDD: Addition of new test cases 8.3.2.1 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080382 |
| RP-43 | | RP-090206 | 2577 |  | LCR TDD: Addition of new test cases 8.3.1.25 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080380 |
| RP-43 | | RP-090206 | 2578 |  | LCR TDD: Addition of new test cases 8.3.1.17 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080378 |
| RP-43 | | RP-090206 | 2579 |  | LCR TDD: Addition of new test cases 8.3.1.6 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080376 |
| RP-43 | | RP-090206 | 2580 |  | LCR TDD: Addition of new test cases 8.3.1.5 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080374 |
| RP-43 | | RP-090206 | 2581 |  | LCR TDD: Addition of new test cases 8.3.1.2 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080372 |
| RP-43 | | RP-090206 | 2582 |  | LCR TDD: Addition of new test cases 8.2.6.19 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080370 |
| RP-43 | | RP-090206 | 2583 |  | LCR TDD: Addition of new test cases 8.2.6.12 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080368 |
| RP-43 | | RP-090206 | 2584 |  | LCR TDD: Addition of new test cases 8.2.6.9 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080366 |
| RP-43 | | RP-090206 | 2585 |  | LCR TDD: Addition of new test cases 8.2.6.8 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080364 |
| RP-43 | | RP-090206 | 2586 |  | LCR TDD: Addition of new test cases 8.2.6.2 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080362 |
| RP-43 | | RP-090206 | 2587 |  | LCR TDD: Addition of new test cases 8.2.6.1 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080360 |
| RP-43 | | RP-090206 | 2588 |  | LCR TDD: Addition of new test cases 8.2.4.10a to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080358 |
| RP-43 | | RP-090206 | 2589 |  | LCR TDD: Addition of new test cases 8.2.4.4a to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080356 |
| RP-43 | | RP-090206 | 2590 |  | LCR TDD: Addition of new test cases 8.2.4.3 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080354 |
| RP-43 | | RP-090206 | 2591 |  | LCR TDD: Addition of new test cases 8.2.3.18 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080352 |
| RP-43 | | RP-090206 | 2592 |  | LCR TDD: Addition of new test cases 8.2.3.1 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080350 |
| RP-43 | | RP-090206 | 2593 |  | LCR TDD: Addition of new test cases 8.2.2.23 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080348 |
| RP-43 | | RP-090206 | 2594 |  | LCR TDD: Addition of new test cases 8.2.2.19 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080346 |
| RP-43 | | RP-090206 | 2595 |  | LCR TDD: Addition of new test cases 8.2.2.1 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080344 |
| RP-43 | | RP-090206 | 2596 |  | LCR TDD: Addition of new test cases 8.2.1.9 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080342 |
| RP-43 | | RP-090206 | 2597 |  | LCR TDD: Addition of new test cases 8.1.2.10 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080338 |
| RP-43 | | RP-090206 | 2598 |  | LCR TDD: Addition of new test cases 8.1.2.4 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080336 |
| RP-43 | | RP-090206 | 2599 |  | LCR TDD: Addition of new test cases 8.1.1.5 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080334 |
| RP-43 | | RP-090206 | 2600 |  | LCR TDD: Addition of new test cases 8.1.1.3 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080332 |
| RP-43 | | RP-090206 | 2601 |  | LCR TDD: Addition of new test cases 8.1.1.2 to RRC ATS | B | 8.0.0 | 8.1.0 | R5s080330 |
| RP-43 | | RP-090206 | 2602 |  | TTCN Correction to testcases 8.3.11.9,8.3.11.10,8.3.7.14,8.3.11.14 | F | 8.0.0 | 8.1.0 | R5s090020 |
| RP-43 | | RP-090206 | 2603 |  | Corrections to GCF WI-014 HSD Test Case 8.3.1.34 | F | 8.0.0 | 8.1.0 | R5s090014 |
| RP-43 | | RP-090211 | 2604 |  | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.0.0 | 8.1.0 | - |
| RP-43 | | RP-090205 | 2605 |  | Cleanup USIM parameters for Idle mode test | F | 8.0.0 | 8.1.0 | R5-090057 |
| RP-43 | | RP-090205 | 2608 |  | Test model enhancement for CS Voice over HSPA and Enhanced FACH | F | 8.0.0 | 8.1.0 | R5-090752 |
| RP-44 | | RP-090436 | 2609 |  | UTRA ASP enhancement for Rel-8 | F | 8.1.0 | 8.2.0 | R5-092565 |
| RP-44 | | RP-090436 | 2610 |  | TTCN correction to the test cases 8.1.7.1d. | F | 8.1.0 | 8.2.0 | R5s090062 |
| RP-44 | | RP-090436 | 2611 |  | Addition of GCF WI 70 CPC RRC test case 8.3.1.45 | B | 8.1.0 | 8.2.0 | R5s090058 |
| RP-44 | | RP-090436 | 2612 |  | Correction to HSDPA RAB testcases (CAT 1 to 5 & 11) | F | 8.1.0 | 8.2.0 | R5s090064 |
| RP-44 | | RP-090436 | 2613 |  | Corrections to GCF WI-025 HSUPA TC 7.1.6.2.2 | F | 8.1.0 | 8.2.0 | R5s090063 |
| RP-44 | | RP-090436 | 2614 |  | TTCN Correction to test steps in UE capability testcases which use the constraints cr\_UE\_CapabilityInfoAM\_BandList2\_r6 and cr\_RRC\_RrcConnSetupCmplRadioCap\_BandList2\_r6. | F | 8.1.0 | 8.2.0 | R5s090065 |
| RP-44 | | RP-090436 | 2615 |  | Summary of regression errors in wk16 ATS | F | 8.1.0 | 8.2.0 | R5s090073 |
| RP-44 | | RP-090436 | 2616 |  | Correction to HSUPA test case 6.1.2.11 | F | 8.1.0 | 8.2.0 | R5s090027 |
| RP-44 | | RP-090436 | 2617 |  | Correction to RRC test cases 8.1.3.4 and 8.3.1.15 | F | 8.1.0 | 8.2.0 | R5s090025 |
| RP-44 | | RP-090436 | 2618 |  | Corrections to GCF WI-070 CPC Test Cases 8.2.6.69 | F | 8.1.0 | 8.2.0 | R5s090026 |
| RP-44 | | RP-090436 | 2619 |  | Correction to HSD MAC test case 7.1.5.6 | F | 8.1.0 | 8.2.0 | R5s090024 |
| RP-44 | | RP-090436 | 2620 |  | Corrections to GCF WI-010 RLC Test Case 7.2.3.24 | F | 8.1.0 | 8.2.0 | R5s090034 |
| RP-44 | | RP-090436 | 2621 |  | Addition of GCF WI-070 CPC RRC testcase 8.2.6.55 to HS\_ENH\_r7 ATS v8.0.0 | B | 8.1.0 | 8.2.0 | R5s090035 |
| RP-44 | | RP-090436 | 2622 |  | Correction to GCF WI-010 Test Case 14.2.57 | F | 8.1.0 | 8.2.0 | R5s090032 |
| RP-44 | | RP-090436 | 2623 |  | Correction to RRC test cases 8.2.6.37 and 8.2.6.37b | F | 8.1.0 | 8.2.0 | R5s090029 |
| RP-44 | | RP-090436 | 2624 |  | Corrections to GCF WI-024 Network Sharing Test Cases 6.1.1.8 and 6.1.1.9 | F | 8.1.0 | 8.2.0 | R5s090031 |
| RP-44 | | RP-090436 | 2625 |  | Corrections to MAC\_eHS\_PDU & ReorderingPDU definitions | F | 8.1.0 | 8.2.0 | R5s090030 |
| RP-44 | | RP-090436 | 2626 |  | Correction of GCF WI-068 Improved L2 Flexible RLC UM test case  7.2.2.14 | F | 8.1.0 | 8.2.0 | R5s090022 |
| RP-44 | | RP-090436 | 2627 |  | TTCN Correction in TCs 8.2.6.39, 8.2.6.44 | F | 8.1.0 | 8.2.0 | R5s090028 |
| RP-44 | | RP-090436 | 2628 |  | Correction to the Network Sharing test cases | F | 8.1.0 | 8.2.0 | R5s090038 |
| RP-44 | | RP-090436 | 2629 |  | Correction to Rel-7 CPC testcase 8.2.6.61 | F | 8.1.0 | 8.2.0 | R5s090037 |
| RP-44 | | RP-090436 | 2630 |  | TTCN Correction to testcase 8.3.1.30 | F | 8.1.0 | 8.2.0 | R5s090041 |
| RP-44 | | RP-090436 | 2631 |  | Addition of GCF WI-070 CPC RRC testcase 8.2.1.40 to HS\_ENH\_r7 ATS v8.0.0 | B | 8.1.0 | 8.2.0 | R5s090039 |
| RP-44 | | RP-090436 | 2632 |  | Addition of GCF WI-068 MAC test case 7.1.5a.5.2 to HSPA7\_ENH ATS | B | 8.1.0 | 8.2.0 | R5s090043 |
| RP-44 | | RP-090436 | 2633 |  | TTCN Correction to constraint c\_DynamicAllocationPRR used to send PACKET UPLINK ASSIGNMENT, in test step ts\_LLC\_XID. | F | 8.1.0 | 8.2.0 | R5s090046 |
| RP-44 | | RP-090436 | 2634 |  | TTCN Correction to RLC test cases ( 7.2.2.3, 7.2.2.4, 7.2.2.5 , 7.2.2.6 ) for Rel-7 and later UEs. | F | 8.1.0 | 8.2.0 | R5s090055 |
| RP-44 | | RP-090436 | 2635 |  | Addition of GCF WI-070 CPC RRC testcase 8.2.2.53 to HS\_ENH\_r7 ATS v8.1.0 | B | 8.1.0 | 8.2.0 | R5s090056 |
| RP-44 | | RP-090436 | 2636 |  | TTCN Correction in test case 12.9.7b | F | 8.1.0 | 8.2.0 | R5s090053 |
| RP-44 | | RP-090436 | 2637 |  | Baseline upgrade to March-09 Rel-8 | F | 8.1.0 | 8.2.0 | R5s090045 |
| RP-44 | | RP-090436 | 2638 |  | Correction to HSU Network Sharing test cases and some generic changes | F | 8.1.0 | 8.2.0 | R5s090052 |
| RP-44 | | RP-090436 | 2639 |  | Corrections to GCF WI-070 CPC Test Cases 8.2.6.61 | F | 8.1.0 | 8.2.0 | R5s090048 |
| RP-44 | | RP-090436 | 2640 |  | TTCN correction to the test cases 8.3.7.1a ( Support of A5/3 algorithm) for Rel-99 UE | F | 8.1.0 | 8.2.0 | R5s090054 |
| RP-44 | | RP-090436 | 2641 |  | Correction to the Network Sharing test cases | F | 8.1.0 | 8.2.0 | R5s090047 |
| RP-44 | | RP-090436 | 2642 |  | Correction to RAB test case variables, "tcv\_Background" and "tcv\_Streaming" | F | 8.1.0 | 8.2.0 | R5s090051 |
| RP-44 | | RP-090436 | 2643 |  | Correction to GCF WI 25 HSU test case 8.1.2.18 | F | 8.1.0 | 8.2.0 | R5s090050 |
| RP-44 | | RP-090436 | 2644 |  | Correction to RRC test case 8.3.2.12 | F | 8.1.0 | 8.2.0 | R5s090049 |
| RP-44 | | RP-090436 | 2645 |  | Corrections to handle v7b0NonCriticalExtensions in RRC Connection Req message (Rel-7). | F | 8.1.0 | 8.2.0 | R5s090061 |
| RP-44 | | RP-090436 | 2646 |  | Corrections to GCF WI-024 Network Sharing Test Cases 6.1.1.8, 6.1.1.9, 6.1.2.11, 6.2.2.4 | F | 8.1.0 | 8.2.0 | R5s090060 |
| RP-44 | | RP-090435 | 2647 |  | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.1.0 | 8.2.0 | - |
| RP-45 | | RP-090796 | 2648 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.2.0 | 8.3.0 | - |
| RP-45 | | RP-090797 | 2649 | - | Addition of GCF WI-069 64 QAM MAC test case 7.1.5a.5.3 to HSPA7\_ENH ATS | B | 8.2.0 | 8.3.0 | R5s090074 |
| RP-45 | | RP-090797 | 2650 | - | Corrections to GCF WI-070 CPC Test Cases 8.2.6.61 | F | 8.2.0 | 8.3.0 | R5s090079 |
| RP-45 | | RP-090797 | 2651 | - | Correction to GCF WI-012 RRC Testcase 8.3.1.30 | F | 8.2.0 | 8.3.0 | R5s090078 |
| RP-45 | | RP-090797 | 2652 | - | Addition of GCF WI-069 64QAM RAB test case 14.6.1c to HSPA7\_ENH ATS | B | 8.2.0 | 8.3.0 | R5s090076 |
| RP-45 | | RP-090797 | 2653 | - | Addition of GCF WI-068 Improved L2 RAB testcase 14.7.6b to HS\_ENH\_r7 ATS v8.1.0 | B | 8.2.0 | 8.3.0 | R5s090070 |
| RP-45 | | RP-090797 | 2654 | - | Addition of GCF WI-068 Improved L2 RAB testcase 14.6.6a to HS\_ENH\_r7 ATS v8.1.0 | B | 8.2.0 | 8.3.0 | R5s090068 |
| RP-45 | | RP-090797 | 2655 | - | Correction to GCF WI 70 CPC RRC test cases | F | 8.2.0 | 8.3.0 | R5s090080 |
| RP-45 | | RP-090797 | 2656 | - | Correction to the wk19 TTCN for Packet Uplink Assignment message | F | 8.2.0 | 8.3.0 | R5s090081 |
| RP-45 | | RP-090797 | 2657 | - | TTCN Correction to testcase 9.4.2.2.1. | F | 8.2.0 | 8.3.0 | R5s090082 |
| RP-45 | | RP-090797 | 2658 | - | Addition of GCF WI-070 CPC RRC testcase 8.2.6.58 to HS\_ENH\_r7 ATS v8.2.0 | B | 8.2.0 | 8.3.0 | R5s090083 |
| RP-45 | | RP-090797 | 2659 | - | Improvement of Rel-7 security steps | F | 8.2.0 | 8.3.0 | R5s090087 |
| RP-45 | | RP-090797 | 2660 | - | Correction to Bcap type definition to support 9 speech versions | F | 8.2.0 | 8.3.0 | R5s090089 |
| RP-45 | | RP-090797 | 2661 | - | Correction to the CPC test case 8.2.6.58 | F | 8.2.0 | 8.3.0 | R5s090093 |
| RP-45 | | RP-090797 | 2662 | - | Correction to the MRAT test case 8.3.7.14 | F | 8.2.0 | 8.3.0 | R5s090092 |
| RP-45 | | RP-090797 | 2663 | - | Addition of CS Voice over HSPA test case 7.3.7.1 | B | 8.2.0 | 8.3.0 | R5s090090 |
| RP-45 | | RP-090797 | 2664 | - | Addition of GCF WI-069 64QAM RAB test case 14.6.6b to HSPA7\_ENH ATS v8.2.0 | B | 8.2.0 | 8.3.0 | R5s090085 |
| RP-45 | | RP-090797 | 2665 | - | Correction to DualCarrierFreqParam Structured Type Definition | F | 8.2.0 | 8.3.0 | R5s090102 |
| RP-45 | | RP-090797 | 2666 | - | Corrections to GCF WI-068 and WI-069 test cases 14.6.1c and 7.1.5a.5.2 and 7.1.5a.5.3. | F | 8.2.0 | 8.3.0 | R5s090101 |
| RP-45 | | RP-090797 | 2667 | - | Correction to GCF WI 24/1 test case 6.1.2.11 | F | 8.2.0 | 8.3.0 | R5s090100 |
| RP-45 | | RP-090797 | 2668 | - | Correction to GCF WI-010 IR-U test cases 8.3.9.5 | F | 8.2.0 | 8.3.0 | R5s090097 |
| RP-45 | | RP-090797 | 2669 | - | Correction to GCF WI-025 HSUPA TC 7.1.6.2.2 | F | 8.2.0 | 8.3.0 | R5s090106 |
| RP-45 | | RP-090797 | 2670 | - | Addition of GCF WI-068 IMPROVED L2 RRC testcase 8.2.2.57 to HS\_ENH\_r7 ATS v8.2.0 | B | 8.2.0 | 8.3.0 | R5s090098 |
| RP-45 | | RP-090797 | 2671 | - | Addition of Rel-8 RRC test case 8.2.2.58 | B | 8.2.0 | 8.3.0 | R5s090094 |
| RP-45 | | RP-090797 | 2672 | - | Packet Uplink Assignment should be sent on PACCH instead of PAGCH | F | 8.2.0 | 8.3.0 | R5s090103 |
| RP-45 | | RP-090794 | 2673 | - | Documentation of LCR TDD ASP changes | F | 8.2.0 | 8.3.0 | R5-094070 |
| RP-45 | | RP-090799 | 2674 | - | ASP enhancement for Improved Layer 2 UL and 64QAM+MIMO | F | 8.2.0 | 8.3.0 | R5-095029 |
| RP-45 | | RP-090794 | 2675 | - | ASP corrections for Enhanced FACH DL | F | 8.2.0 | 8.3.0 | R5-095190 |
| RP-46 | | RP-091119 | 2676 |  | Routine maintenance for divergent updates | F | 8.3.0 | 8.4.0 | R5-096431 |
| RP-46 | | RP-091115 | 2677 |  | Removal of GPRS P-channels from GERAN test model and ASPs | F | 8.3.0 | 8.4.0 | R5-096432 |
| RP-46 | | RP-091113 | 2678 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.3.0 | 8.4.0 | - |
| RP-46 | | RP-091114 | 2679 | - | Addition of GCF WI-101 Rel-7 Ciphering test case 8.2.2.43a to HSPA7\_ENH ATS | B | 8.3.0 | 8.4.0 | R5s090107 |
| RP-46 | | RP-091114 | 2680 | - | Addition of GCF WI-101 Rel-7 Ciphering test case 8.1.7.4 to HSPA7\_ENH ATS | B | 8.3.0 | 8.4.0 | R5s090109 |
| RP-46 | | RP-091114 | 2681 | - | Addition of GCF WI 70 Rel-7 CPC test case 8.2.3.37 | B | 8.3.0 | 8.4.0 | R5s090104 |
| RP-46 | | RP-091114 | 2682 | - | Correction to CPC RRC test case 8.2.2.53 | F | 8.3.0 | 8.4.0 | R5s090111 |
| RP-46 | | RP-091114 | 2683 | - | Correction to GCF WI 24/1 test case 6.2.1.10 | F | 8.3.0 | 8.4.0 | R5s090112 |
| RP-46 | | RP-091114 | 2684 | - | Corrections to CPC testcases | F | 8.3.0 | 8.4.0 | R5s090122 |
| RP-46 | | RP-091114 | 2685 | - | Corrections to RAB Test Cases | F | 8.3.0 | 8.4.0 | R5s090126 |
| RP-46 | | RP-091114 | 2686 | - | Corrections to GCF Rel 99, Rel-5 and Rel-6 test cases | F | 8.3.0 | 8.4.0 | R5s090123 |
| RP-46 | | RP-091114 | 2687 | - | Correction to the test step ts\_RRC\_receiveConnSetupCmpl\_CheckA5\_3 | F | 8.3.0 | 8.4.0 | R5s090119 |
| RP-46 | | RP-091114 | 2688 | - | Correction to the GCF WI-014 HSDPA TC 8.2.1.27, 8.3.4.9, 8.2.6.40 | F | 8.3.0 | 8.4.0 | R5s090124 |
| RP-46 | | RP-091114 | 2689 | - | Addition of GCF WI-101 Rel-7 Ciphering test case 8.1.7.3c to HSPA7\_ENH ATS | B | 8.3.0 | 8.4.0 | R5s090117 |
| RP-46 | | RP-091114 | 2690 | - | Addition of GCF WI-101 Rel-7 Ciphering test case 8.1.7.3b to HSPA7\_ENH ATS | B | 8.3.0 | 8.4.0 | R5s090115 |
| RP-46 | | RP-091114 | 2691 | - | Addition of GCF WI-101 Rel-7 Ciphering test case 8.1.7.3 to HSPA7\_ENH ATS | B | 8.3.0 | 8.4.0 | R5s090113 |
| RP-46 | | RP-091114 | 2692 | - | Correction to GCF WI 24/1 test case 6.1.1.9 | F | 8.3.0 | 8.4.0 | R5s090120 |
| RP-46 | | RP-091114 | 2693 | - | Correction to R99 FACH to DCH and DCH to FACH transition RRC test cases | F | 8.3.0 | 8.4.0 | R5s090125 |
| RP-46 | | RP-091114 | 2694 | - | Correction to GCF WI 68 RRC test case 8.2.2.57 | F | 8.3.0 | 8.4.0 | R5s090121 |
| RP-46 | | RP-091114 | 2695 | - | Correction to GCF WI-10 IR\_U test case 8.4.1.33 | F | 8.3.0 | 8.4.0 | R5s090129 |
| RP-46 | | RP-091114 | 2696 | - | Correction to WK37 TTCN | F | 8.3.0 | 8.4.0 | R5s090132 |
| RP-46 | | RP-091114 | 2697 | - | Correction to GCF WI-101 SNOW 3G TC 8.2.2.43a | F | 8.3.0 | 8.4.0 | R5s090131 |
| RP-46 | | RP-091114 | 2698 | - | TTCN Correction in TC 6.1.2.6 | F | 8.3.0 | 8.4.0 | R5s090130 |
| RP-46 | | RP-091114 | 2699 | - | Addition of GCF WI-101 Rel-7 SNOW Ciphering test case 8.3.11.1a to HS\_ENH\_r7 ATS v8.2.0. | B | 8.3.0 | 8.4.0 | R5s090127 |
| RP-46 | | RP-091114 | 2700 | - | Correction to ts\_TransitToURA\_PCH\_P17\_P18 in RRC ATS | F | 8.3.0 | 8.4.0 | R5s090136 |
| RP-46 | | RP-091114 | 2701 | - | Correction to RRC Connection Request test steps to update Release Indication | F | 8.3.0 | 8.4.0 | R5s090133 |
| RP-46 | | RP-091114 | 2702 | - | Correction to HSDPA, HSUPA and HSPA7 DCH to FACH and FACH to DCH transition test cases | F | 8.3.0 | 8.4.0 | R5s090147 |
| RP-46 | | RP-091114 | 2703 | - | Corrections to Rel-6 testcases to make F-DPCH optional | F | 8.3.0 | 8.4.0 | R5s090143 |
| RP-46 | | RP-091114 | 2704 | - | Corrections to Rel-7 testcases to make F-DPCH optional | F | 8.3.0 | 8.4.0 | R5s090158 |
| RP-46 | | RP-091114 | 2705 | - | Correction to Rel-7 Enhanced L2 test case 8.2.2.57 | F | 8.3.0 | 8.4.0 | R5s090146 |
| RP-46 | | RP-091114 | 2706 | - | Corrections to Rel-7 64QAM testcase 14.6.6b | F | 8.3.0 | 8.4.0 | R5s090159 |
| RP-46 | | RP-091114 | 2707 | - | Correction to GCF WI-101 Rel-7 Ciphering test case 8.2.2.43a | F | 8.3.0 | 8.4.0 | R5s090162 |
| RP-46 | | RP-091114 | 2708 | - | Addition of GCF WI-101 GCF Rel-7 Ciphering test case 8.2.2.43b to HSPA7\_ENH ATS | B | 8.3.0 | 8.4.0 | R5s090173 |
| RP-46 | | RP-091114 | 2709 | - | Addition of GCF WI-101 Rel-7 Ciphering test case 8.1.7.3d to HSPA7\_ENH ATS | B | 8.3.0 | 8.4.0 | R5s090169 |
| RP-46 | | RP-091114 | 2710 | - | Addition of CS voice over HSPA RAB test case 14.7.9 | B | 8.3.0 | 8.4.0 | R5s090134 |
| RP-46 | | RP-091114 | 2711 | - | Addition of GCF WI 70 Rel-7 CPC MAC test case 7.1.6.3.4 | B | 8.3.0 | 8.4.0 | R5s090151 |
| RP-46 | | RP-091114 | 2712 | - | Addition of GCF WI 70 Rel-7 CPC MAC test case 7.1.6.3.3 | B | 8.3.0 | 8.4.0 | R5s090149 |
| RP-46 | | RP-091114 | 2713 | - | Addition of RFT067 test case 6.2.1.8a.2 | B | 8.3.0 | 8.4.0 | R5s090187 |
| RP-46 | | RP-091114 | 2714 | - | Addition of RFT067 test case 6.2.1.8a.1 | B | 8.3.0 | 8.4.0 | R5s090185 |
| RP-46 | | RP-091114 | 2715 | - | Addition of RFT067 test case 6.2.1.2a | B | 8.3.0 | 8.4.0 | R5s090183 |
| RP-46 | | RP-091114 | 2716 | - | Incorrect implementation of CR R5s090082 | F | 8.3.0 | 8.4.0 | R5s090182 |
| RP-46 | | RP-091114 | 2717 | - | Addition of GCF WI 101 Rel-7 Snow 3G InterRAT test case 8.3.11.1b | B | 8.3.0 | 8.4.0 | R5s090190 |
| RP-46 | | RP-091114 | 2718 | - | Corrections to test steps and constraints with identical names | F | 8.3.0 | 8.4.0 | R5s090206 |
| RP-46 | | RP-091114 | 2719 | - | Corrections to L2 Enhancement RAB test case 14.7.6b | F | 8.3.0 | 8.4.0 | R5s090208 |
| RP-46 | | RP-091114 | 2720 | - | Addition of GCF WI 101 Rel-7 Snow 3G InterRAT test case 8.3.7.1b | B | 8.3.0 | 8.4.0 | R5s090192 |
| RP-47 | | RP-100144 | 2721 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.4.0 | 8.5.0 | - |
| RP-47 | | RP-100145 | 2722 | - | Correction to HSPA7 Enhanced L2 test case 8.2.2.57 | F | 8.4.0 | 8.5.0 | R5s090305 |
| RP-47 | | RP-100145 | 2723 | - | Correction to RRC HSDPA test case 8.3.1.40 | F | 8.4.0 | 8.5.0 | R5s090308 |
| RP-47 | | RP-100145 | 2724 | - | Correction to the test cases 8.2.6.55 and 14.7.9 | F | 8.4.0 | 8.5.0 | R5s090309 |
| RP-47 | | RP-100145 | 2725 | - | Corrections to GMM test case 12.9.12 | F | 8.4.0 | 8.5.0 | R5s090207 |
| RP-47 | | RP-100145 | 2726 | - | Addition of RFT067 test case 6.2.1.8a.3 | B | 8.4.0 | 8.5.0 | R5s090338 |
| RP-47 | | RP-100145 | 2727 | - | Addition of RFT080 test case 8.1.2.22a | B | 8.4.0 | 8.5.0 | R5s090329 |
| RP-47 | | RP-100145 | 2728 | - | Addition of RFT080 test case 8.1.2.22 | B | 8.4.0 | 8.5.0 | R5s090327 |
| RP-47 | | RP-100145 | 2729 | - | Addition of RFT080 test case 8.1.2.21a | B | 8.4.0 | 8.5.0 | R5s090325 |
| RP-47 | | RP-100145 | 2730 | - | Addition of RFT 80 test case 8.1.2.21 | B | 8.4.0 | 8.5.0 | R5s090323 |
| RP-47 | | RP-100145 | 2731 | - | Correction to RRC test case 8.1.7.1, 8.1.7.1b, 8.1.7.1c and 8.1.7.2 | F | 8.4.0 | 8.5.0 | R5s090372 |
| RP-47 | | RP-100145 | 2732 | - | Correction to Rel-7 CPC testcase 8.2.2.53 | F | 8.4.0 | 8.5.0 | R5s090370 |
| RP-47 | | RP-100145 | 2733 | - | Correction to RRC test cases 8.1.1.1 and 8.1.1.9 | F | 8.4.0 | 8.5.0 | R5s090374 |
| RP-47 | | RP-100145 | 2734 | - | Addition of GCF WI 80 Rel-7 CPC RRC test case 8.2.2.55 | B | 8.4.0 | 8.5.0 | R5s100010 |
| RP-47 | | RP-100145 | 2735 | - | Correction to the test cases 8.3.1.39 from HSD\_ENH\_r5 test suite | F | 8.4.0 | 8.5.0 | R5s100026 |
| RP-47 | | RP-100145 | 2736 | - | Corrections to CPC testcases 7.1.6.3.3 & 7.1.6.3.4 | F | 8.4.0 | 8.5.0 | R5s100023 |
| RP-47 | | RP-100145 | 2737 | - | TTCN Correction to testcase 7.1.6.2.10 | F | 8.4.0 | 8.5.0 | R5s100027 |
| RP-47 | | RP-100145 | 2738 | - | TTCN Correction to test step ts\_CC\_EnterU10\_MO | F | 8.4.0 | 8.5.0 | R5s100028 |
| RP-47 | | RP-100145 | 2739 | - | Correction to R99 testcase 8.2.2.35 | F | 8.4.0 | 8.5.0 | R5s100036 |
| RP-47 | | RP-100145 | 2740 | - | Corrections to Rel-7 test step ts\_InitVariablesRel7 | F | 8.4.0 | 8.5.0 | R5s100037 |
| RP-47 | | RP-100145 | 2741 | - | Corrections to CPC RRC testcase 8.2.2.55 | F | 8.4.0 | 8.5.0 | R5s100045 |
| RP-47 | | RP-100145 | 2742 | - | Correction to HSPA7 suite | F | 8.4.0 | 8.5.0 | R5s100048 |
| RP-47 | | RP-100145 | 2743 | - | Corrections to R99 NAS ATS | F | 8.4.0 | 8.5.0 | R5s100046 |
| RP-47 | | RP-100145 | 2744 | - | Correction to CPC test case 8.2.2.55 | F | 8.4.0 | 8.5.0 | R5s100050 |
| RP-47 | | RP-100145 | 2745 | - | AGPS baseline upgrade to March 09 in Rel-8 | F | 8.4.0 | 8.5.0 | R5s090224 |
| RP-47 | | RP-100145 | 2746 | - | Corrections to GCF WI 25 HSU test case 8.2.6.52 | F | 8.4.0 | 8.5.0 | R5s090216 |
| RP-47 | | RP-100145 | 2747 | - | Correction to test cases 8.3.11.1a and 8.3.11.1b | F | 8.4.0 | 8.5.0 | R5s090303 |
| RP-47 | | RP-100145 | 2748 | - | Regression CR on wk46 TTCN | F | 8.4.0 | 8.5.0 | R5s090304 |
| RP-47 | | RP-100145 | 2749 | - | LCR TDD: Addition of NAS test case 12.4.1.5 | B | 8.4.0 | 8.5.0 | R5s090299 |
| RP-47 | | RP-100145 | 2750 | - | LCR TDD: Addition of RRC test case 8.1.2.1 | B | 8.4.0 | 8.5.0 | R5s090297 |
| RP-47 | | RP-100145 | 2751 | - | LCR TDD: Addition of RLC test case 7.2.3.28 | B | 8.4.0 | 8.5.0 | R5s090295 |
| RP-47 | | RP-100145 | 2752 | - | LCR TDD: Addition of RLC test case 7.2.3.17 | B | 8.4.0 | 8.5.0 | R5s090285 |
| RP-47 | | RP-100145 | 2753 | - | LCR TDD: Addition of RAB test case 18.1.2.32.1 | B | 8.4.0 | 8.5.0 | R5s090301 |
| RP-47 | | RP-100145 | 2754 | - | LCR TDD: Addition of RLC test case 7.2.3.26 | B | 8.4.0 | 8.5.0 | R5s090293 |
| RP-47 | | RP-100145 | 2755 | - | LCR TDD: Addition of RLC test case 7.2.3.22 | B | 8.4.0 | 8.5.0 | R5s090291 |
| RP-47 | | RP-100145 | 2756 | - | LCR TDD: Addition of RLC test case 7.2.3.20 | B | 8.4.0 | 8.5.0 | R5s090289 |
| RP-47 | | RP-100145 | 2757 | - | LCR TDD: Addition of RLC test case 7.2.3.18 | B | 8.4.0 | 8.5.0 | R5s090287 |
| RP-47 | | RP-100145 | 2758 | - | LCR TDD: Addition of RLC test case 7.2.3.16 | B | 8.4.0 | 8.5.0 | R5s090283 |
| RP-47 | | RP-100145 | 2759 | - | LCR TDD: Addition of RLC test case 7.2.3.15 | B | 8.4.0 | 8.5.0 | R5s090281 |
| RP-47 | | RP-100145 | 2760 | - | LCR TDD: Addition of RLC test case 7.2.3.13 | B | 8.4.0 | 8.5.0 | R5s090279 |
| RP-47 | | RP-100145 | 2761 | - | LCR TDD: Addition of RLC test case 7.2.3.6 | B | 8.4.0 | 8.5.0 | R5s090277 |
| RP-47 | | RP-100145 | 2762 | - | LCR TDD: Addition of RLC test case 7.2.3.5 | B | 8.4.0 | 8.5.0 | R5s090275 |
| RP-47 | | RP-100145 | 2763 | - | LCR TDD: Addition of RLC test case 7.2.3.4 | B | 8.4.0 | 8.5.0 | R5s090273 |
| RP-47 | | RP-100145 | 2764 | - | LCR TDD: Addition of MAC test case 7.1.1.5 | B | 8.4.0 | 8.5.0 | R5s090271 |
| RP-47 | | RP-100145 | 2765 | - | LCR TDD: Addition of MAC test case 7.1.1.4 | B | 8.4.0 | 8.5.0 | R5s090269 |
| RP-47 | | RP-100145 | 2766 | - | LCR TDD: Addition of MAC test case 7.1.1.3 | B | 8.4.0 | 8.5.0 | R5s090267 |
| RP-47 | | RP-100145 | 2767 | - | Correction to RRC test cases 6.1.2.2, 8.3.1.24 and 8.3.2.13 | F | 8.4.0 | 8.5.0 | R5s090371 |
| RP-47 | | RP-100145 | 2768 | - | Correction to HSD, HSU and HS7 test cases | F | 8.4.0 | 8.5.0 | R5s100056 |
| RP-47 | | RP-100145 | 2769 | - | Addition of CS Over HSPA test case 14.7.10 | B | 8.4.0 | 8.5.0 | R5s100059 |
| RP-47 | | RP-100145 | 2770 | - | Addition of GCF WI 25 HSUPA MAC test case 7.1.6.3.2 | B | 8.4.0 | 8.5.0 | R5s100061 |
| RP-47 | | RP-100153 | 2771 | - | UTRA LCR TDD ASP enhancement for Rel-8 | F | 8.4.0 | 8.5.0 | R5-100047 |
| RP-47 | | RP-100137 | 2772 | - | Routine maintenance for divergent updates | F | 8.4.0 | 8.5.0 | R5-101042 |
| RP-47 | | RP-100149 | 2773 | - | Update ASP for FDD dual cell test | F | 8.4.0 | 8.5.0 | R5-101047 |
| RP-47 | | RP-100150 | 2774 | - | FDD ASP enhancement for the enhanced UL of FACH test | F | 8.4.0 | 8.5.0 | R5-101048 |
| RP-48 | | RP-100512 | 2775 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.5.0 | 8.6.0 | - |
| RP-48 | | RP-100506 | 2790 | - | Routine maintenance of TS 34.123-3 | F | 8.5.0 | 8.6.0 | R5-103530 |
| RP-48 | | RP-100519 | 2791 | - | ASP correction for Enhanced FACH uplink | F | 8.5.0 | 8.6.0 | R5-103645 |
| RP-48 | | RP-100517 | 2792 | - | ASP corrections for Dual Cell | F | 8.5.0 | 8.6.0 | R5-103863 |
| RP-48 | | RP-100513 | 2776 | - | Correction to HSU test cases. | F | 8.5.0 | 8.6.0 | R5s100064 |
| RP-48 | | RP-100513 | 2777 | - | Corrections to HSUPA MAC testcase 7.1.6.2.6 | F | 8.5.0 | 8.6.0 | R5s100069 |
| RP-48 | | RP-100513 | 2779 | - | Regression CR for UMTS ATS | F | 8.5.0 | 8.6.0 | R5s100070 |
| RP-48 | | RP-100513 | 2778 | - | Corrections to RRC testcase 8.2.6.37 & 8.2.6.37b | F | 8.5.0 | 8.6.0 | R5s100071 |
| RP-48 | | RP-100513 | 2780 | - | Correction to Rel-7 RAB test cases on HARQ number of processes initialization | F | 8.5.0 | 8.6.0 | R5s100108 |
| RP-48 | | RP-100513 | 2781 | - | Regression CR for WK10 TTCN | F | 8.5.0 | 8.6.0 | R5s100115 |
| RP-48 | | RP-100513 | 2782 | - | Correction to WI-101 HS\_ENH\_r7 test case 8.3.7.1b | F | 8.5.0 | 8.6.0 | R5s100121 |
| RP-48 | | RP-100513 | 2783 | - | Correction to WI-070 CPC test case 8.2.2.53 | F | 8.5.0 | 8.6.0 | R5s100122 |
| RP-48 | | RP-100513 | 2784 | - | Addition of GCF WI-114 64 QAM RRC test case 8.2.2.63 to HSPA7\_ENH ATS | B | 8.5.0 | 8.6.0 | R5s100123 |
| RP-48 | | RP-100513 | 2785 | - | Addition of GCF WI-114 64 QAM RRC test case 8.2.6.62 to HSPA7\_ENH ATS | B | 8.5.0 | 8.6.0 | R5s100125 |
| RP-48 | | RP-100513 | 2786 | - | Correction to testcases 8.3.2.12, 6.2.2.2 | F | 8.5.0 | 8.6.0 | R5s100164 |
| RP-48 | | RP-100513 | 2788 | - | Correction to RRC Connection Release test steps in RAB R99 - R8 test cases | F | 8.5.0 | 8.6.0 | R5s100165 |
| RP-48 | | RP-100513 | 2789 | - | Correction to the Out of Service area test cases. | F | 8.5.0 | 8.6.0 | R5s100168 |
| RP-48 | | RP-100513 | 2787 | - | Baseline upgrade of UTRA ATS to March-10 Rel-8 | F | 8.5.0 | 8.6.0 | R5s100171 |
| RP-49 | | RP-100985 | 2793 | - | ASP documentation for TDD and maintenance | F | 8.6.0 | 8.7.0 | R5-104203 |
| RP-49 | | RP-100985 | 2794 | - | Routine maintenance of TS 34.123-3 | F | 8.6.0 | 8.7.0 | R5-105034 |
| RP-49 | | RP-100985 | 2795 | - | Add new PIXIT related to GERAN UE classmarks | F | 8.6.0 | 8.7.0 | R5-105027 |
| RP-49 | | RP-100824 | 2796 | - | Correction to the GCF WI-24 test case 6.2.1.11 | F | 8.6.0 | 8.7.0 | R5s100185 |
| RP-49 | | RP-100824 | 2797 | - | Corrections to Rel-99 NAS testcases | F | 8.6.0 | 8.7.0 | R5s100207 |
| RP-49 | | RP-100824 | 2798 | - | Corrections to Rel-7 testcases | F | 8.6.0 | 8.7.0 | R5s100206 |
| RP-49 | | RP-100824 | 2799 | - | Regression CR on wk16 UMTS ATS | F | 8.6.0 | 8.7.0 | R5s100186 |
| RP-49 | | RP-100824 | 2800 | - | Correction to GCF WI-025 E\_DCH Testcase 7.1.6.2.1 | F | 8.6.0 | 8.7.0 | R5s100255 |
| RP-49 | | RP-100824 | 2801 | - | Correction to GCF WI 25 HSU test cases 7.1.6.4.2 and 7.1.6.2.1 | F | 8.6.0 | 8.7.0 | R5s100276 |
| RP-49 | | RP-100824 | 2802 | - | Corrections to Rel-6 HSUPA MAC test cases | F | 8.6.0 | 8.7.0 | R5s100290 |
| RP-49 | | RP-100824 | 2803 | - | Regression CR on wk21 UMTS ATS | F | 8.6.0 | 8.7.0 | R5s100275 |
| RP-49 | | RP-100824 | 2804 | - | Correction to GCF WI-070 CPC Test Cases 7.1.6.3.3, 7.1.6.3.4 | F | 8.6.0 | 8.7.0 | R5s100280 |
| RP-49 | | RP-100824 | 2805 | - | Correction to Rel-99 SMS test case 16.3 | F | 8.6.0 | 8.7.0 | R5s100297 |
| RP-49 | | RP-100824 | 2806 | - | Correction to GCF WI 25 HSUPA MAC test case 7.1.6.3.2 | F | 8.6.0 | 8.7.0 | R5s100328 |
| RP-49 | | RP-100824 | 2807 | - | Addition of GCF WI 70 Rel-7 CPC test case 8.3.4.11 | F | 8.6.0 | 8.7.0 | R5s100277 |
| RP-49 | | RP-100824 | 2808 | - | Correction to GCF WI 25 HSUPA test case 7.1.6.3.2 | B | 8.6.0 | 8.7.0 | R5s100355 |
| RP-49 | | RP-100824 | 2809 | - | Correction to GCF WI-070 CPC test case 8.2.3.37 | F | 8.6.0 | 8.7.0 | R5s100484 |
| RP-49 | | RP-100824 | 2810 | - | Correction to GCF WI-025 HSUPA test case 7.1.6.3.2 | F | 8.6.0 | 8.7.0 | R5s100483 |
| RP-49 | | RP-100824 | 2811 | - | Correction to GCF WI-070 CPC Test Cases 7.1.6.3.3, 7.1.6.3.4 | F | 8.6.0 | 8.7.0 | R5s100404 |
| RP-49 | | RP-100824 | 2812 | - | Correction to GCF WI 10 RRC test case 6.1.2.2. | F | 8.6.0 | 8.7.0 | R5s100397 |
| RP-49 | | RP-100824 | 2813 | - | Correction to GCF WI 10 IR\_U test case 8.3.9.5. | F | 8.6.0 | 8.7.0 | R5s100396 |
| RP-49 | | RP-100824 | 2814 | - | Corrections to R7 CPC test cases | F | 8.6.0 | 8.7.0 | R5s100482 |
| RP-49 | | RP-100824 | 2815 | - | Corrections to HSUPA MAC test case 7.1.6.3.2 & 7.1.6.2.6 | F | 8.6.0 | 8.7.0 | R5s100481 |
| RP-49 | | RP-100823 | 2816 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.6.0 | 8.7.0 | - |
| - | | - | - | - | Updated the lists of approved test cases for FDD and LCR TDD in Annex A to align with TTCN. | - | 8.6.0 | 8.7.0 | - |
| RP-50 | | RP-101148 | 2819 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.7.0 | 8.8.0 | - |
| RP-50 | | RP-101146 | 2817 | - | New channel configurations for LCR TDD RB tests | F | 8.7.0 | 8.8.0 | R5-106065 |
| RP-50 | | RP-101146 | 2818 | - | Routine maintenance | F | 8.7.0 | 8.8.0 | R5-106547 |
| RP-50 | | RP-101149 | 2822 | - | Addition of GCF WI-110 Enhanced Cell FACH DL MAC test case 7.1.5a.6 to HSPA7\_ENH ATS | F | 8.7.0 | 8.8.0 | R5s100509 |
| RP-50 | | RP-101149 | 2821 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.1.2.20 to HSPA7\_ENH ATS | F | 8.7.0 | 8.8.0 | R5s100511 |
| RP-50 | | RP-101149 | 2820 | - | Correction to GCF WI 10 SMS test case 16.1.1 | F | 8.7.0 | 8.8.0 | R5s100514 |
| RP-50 | | RP-101149 | 2824 | - | Correction to GCF WI-024 network sharing test case 6.2.1.11 | F | 8.7.0 | 8.8.0 | R5s100518 |
| RP-50 | | RP-101149 | 2823 | - | Correction for GCF WI-010 NAS test case 12.2.1.11 | F | 8.7.0 | 8.8.0 | R5s100519 |
| RP-50 | | RP-101149 | 2826 | - | Regression CR on wk36 UMTS ATS | F | 8.7.0 | 8.8.0 | R5s100540 |
| RP-50 | | RP-101149 | 2828 | - | Corrections to Rel-7 Enhanced Cell-FACH DL test cases | F | 8.7.0 | 8.8.0 | R5s100543 |
| RP-50 | | RP-101149 | 2827 | - | Corrections to Rel-7 L2-Enhancement test case 8.2.2.57 | F | 8.7.0 | 8.8.0 | R5s100544 |
| RP-50 | | RP-101149 | 2825 | - | Corrections to Rel-7 CPC test case 8.2.6.58 and Rel-7 L2 Enh test case 8.2.2.57 | F | 8.7.0 | 8.8.0 | R5s100547 |
| RP-50 | | RP-101149 | 2834 | - | Correction to GCF WI-025 testcase 7.1.6.3.2 | F | 8.7.0 | 8.8.0 | R5s100551 |
| RP-50 | | RP-101149 | 2833 | - | Corrections to Rel-8 CSVoice over HSPA test cases | F | 8.7.0 | 8.8.0 | R5s100552 |
| RP-50 | | RP-101149 | 2832 | - | Corrections to Rel-6 test cases 8.2.1.36 and 8.2.1.36a | F | 8.7.0 | 8.8.0 | R5s100553 |
| RP-50 | | RP-101149 | 2831 | - | Correction to GCF WI-025 testcase 7.1.6.2.10 | F | 8.7.0 | 8.8.0 | R5s100554 |
| RP-50 | | RP-101149 | 2830 | - | Addition of GCF WI-067 MiMo RAB test case 14.6.1d to HSPA7\_ENH ATS | F | 8.7.0 | 8.8.0 | R5s100567 |
| RP-50 | | RP-101149 | 2829 | - | Addition of GCF WI-067 MiMo RAB test case 14.6.6c to HSPA7\_ENH ATS | F | 8.7.0 | 8.8.0 | R5s100569 |
| RP-50 | | RP-101149 | 2835 | - | Correction to UE Network Capability in UMTS | F | 8.7.0 | 8.8.0 | R5s100574 |
| RP-50 | | RP-101149 | 2836 | - | Correction to UMTS Security Capabilities. | F | 8.7.0 | 8.8.0 | R5s100578 |
| RP-50 | | RP-101149 | 2838 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RAB test case 14.5.3 to HSPA7\_ENH ATS | F | 8.7.0 | 8.8.0 | R5s100599 |
| RP-50 | | RP-101149 | 2837 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.1.10.2 to HSPA7\_ENH ATS | F | 8.7.0 | 8.8.0 | R5s100601 |
| RP-50 | | RP-101149 | 2839 | - | Corrections to Rel-99 testcases | F | 8.7.0 | 8.8.0 | R5s100613 |
| RP-50 | | RP-101149 | 2840 | - | Correction to the common test step ts\_RegistrationReject\_Idle | F | 8.7.0 | 8.8.0 | R5s100677 |
| RP-50 | | RP-101149 | 2842 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.2.2.59 to HSPA7\_ENH ATS | F | 8.7.0 | 8.8.0 | R5s100716 |
| RP-50 | | RP-101149 | 2841 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.2.2.60 to HSPA7\_ENH ATS | F | 8.7.0 | 8.8.0 | R5s100718 |
| RP-50 | | RP-101149 | 2846 | - | Correction to MAC testcase 7.1.5a.6 | F | 8.7.0 | 8.8.0 | R5s100762 |
| RP-50 | | RP-101149 | 2845 | - | Correction to Rel-7 CPC testcase 8.3.4.11 | F | 8.7.0 | 8.8.0 | R5s100763 |
| RP-50 | | RP-101149 | 2844 | - | Correction for GCF WI-010 SMS test case 16.2.2 | F | 8.7.0 | 8.8.0 | R5s100770 |
| RP-50 | | RP-101149 | 2843 | - | Correction for GCF WI-012 NAS test case 9.4.3.3 | F | 8.7.0 | 8.8.0 | R5s100771 |
| RP-51 | | RP-110167 | 2850 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.8.0 | 8.9.0 | - |
| RP-51 | | RP-110165 | 2847 | - | Routine maintenance for LCR TDD ASP | F | 8.8.0 | 8.9.0 | R5-110103 |
| RP-51 | | RP-110165 | 2848 | - | Routine maintenance of 34123-3 | F | 8.8.0 | 8.9.0 | R5-110104 |
| RP-51 | | RP-110165 | 2849 | - | Table and figure renumbering in 34.123-3 | F | 8.8.0 | 8.9.0 | R5-110365 |
| RP-51 | | RP-110168 | 2860 | - | Addition of GCF WI-104 Idle Mode test case 6.1.1.14 to HSPA7\_ENH ATS | B | 8.8.0 | 8.9.0 | R5s100710 |
| RP-51 | | RP-110168 | 2865 | - | Addition of GCF WI-104 Idle Mode test case 6.1.1.12 to HSPA7\_ENH ATS | B | 8.8.0 | 8.9.0 | R5s100764 |
| RP-51 | | RP-110168 | 2859 | - | Correction to GCF WI 10 NAS test case 12.2.1.4.2 | F | 8.8.0 | 8.9.0 | R5s100786 |
| RP-51 | | RP-110168 | 2858 | - | Correction for GCF WI-010 SMS test case 16.2.1 | F | 8.8.0 | 8.9.0 | R5s100791 |
| RP-51 | | RP-110168 | 2857 | - | Correction to Rel-7 GCF WI-110 testcase 7.1.5a.6 | F | 8.8.0 | 8.9.0 | R5s100798 |
| RP-51 | | RP-110168 | 2863 | - | Correction for GCF WI-025 HSUPA test case 8.2.6.51 | F | 8.8.0 | 8.9.0 | R5s100804 |
| RP-51 | | RP-110168 | 2864 | - | Correction to RRC test cases 8.2.2.43 and 8.2.2.43a | F | 8.8.0 | 8.9.0 | R5s100805 |
| RP-51 | | RP-110168 | 2862 | - | Correction to Rel-7 MAC test case 7.1.5a.5.2 and 7.1.5a.5.3 | F | 8.8.0 | 8.9.0 | R5s100807 |
| RP-51 | | RP-110168 | 2861 | - | Correction to the RFT 67 test cases | F | 8.8.0 | 8.9.0 | R5s100808 |
| RP-51 | | RP-110168 | 2852 | - | Addition of GCF WI-114 64 QAM RRC test case 8.3.4.13 to HSPA7\_ENH ATS | B | 8.8.0 | 8.9.0 | R5s100809 |
| RP-51 | | RP-110168 | 2851 | - | Corrections to Rel-7 Enhanced Cell-FACH DL and L2 Enhancement testcases | F | 8.8.0 | 8.9.0 | R5s100841 |
| RP-51 | | RP-110168 | 2853 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.3.1.47 to HSPA7\_ENH ATS | B | 8.8.0 | 8.9.0 | R5s110017 |
| RP-51 | | RP-110168 | 2856 | - | Correction to GCF WI-010 RRC test case 8.3.2.12 | F | 8.8.0 | 8.9.0 | R5s110048 |
| RP-51 | | RP-110168 | 2855 | - | Correction to GCF WI-067 HSPA7 MIMO test cases 14.6.1d and 14.6.6c | F | 8.8.0 | 8.9.0 | R5s110049 |
| RP-51 | | RP-110168 | 2854 | - | Correction to GCF WI-010 NAS test case 12.2.1.3 | F | 8.8.0 | 8.9.0 | R5s110050 |
| RP-51 | | RP-110168 | 2866 | - | Correction to RFT 67 test cases | F | 8.8.0 | 8.9.0 | R5s110066 |
| RP-51 | | RP-110168 | 2867 | - | Corrections to CPC & CS Voice Over HSPA testcases | F | 8.8.0 | 8.9.0 | R5s110072 |
| RP-51 | | RP-110168 | 2868 | - | Correction to GCF WI 25 HSUPA MAC test case 7.1.6.1.1 | F | 8.8.0 | 8.9.0 | R5s110083 |
| RP-52 | | RP-110653 | 2871 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 8.9.0 | 9.0.0 | - |
| RP-52 | | RP-110651 | 2869 | - | Removal of technical content in 34.123-3 v8.9.0 and substitution with pointer to the next Release | F | 8.9.0 | 9.0.0 | R5-112242 |
| RP-52 | | RP-110652 | 2870 | - | Routing maintenance | F | 8.9.0 | 9.0.0 | R5-112591 |
| RP-52 | | RP-110654 | 2873 | - | Correction to CS Voice Over HSPA RRC test case 8.2.2.58 | F | 8.9.0 | 9.0.0 | R5s110059 |
| RP-52 | | RP-110654 | 2874 | - | Corrections to Rel-7 64QAM test case 8.3.4.13 | F | 8.9.0 | 9.0.0 | R5s110071 |
| RP-52 | | RP-110654 | 2872 | - | Correction to GMM test case 12.4.3.4 | F | 8.9.0 | 9.0.0 | R5s110093 |
| RP-52 | | RP-110654 | 2882 | - | Addition of GCF WI-104 Idle Mode test case 6.1.1.13 to HSPA7\_ENH ATS | B | 8.9.0 | 9.0.0 | R5s110102 |
| RP-52 | | RP-110654 | 2881 | - | Addition of GCF WI-104 Idle Mode test case 6.1.1.15 to HSPA7\_ENH ATS | B | 8.9.0 | 9.0.0 | R5s110104 |
| RP-52 | | RP-110654 | 2880 | - | Correction to GCF WI-014 HSDPA test case 7.1.5.6 | F | 8.9.0 | 9.0.0 | R5s110106 |
| RP-52 | | RP-110654 | 2878 | - | Corrections to RFT-67 test cases 6.2.1.2a and 6.2.1.8a.2 | F | 8.9.0 | 9.0.0 | R5s110107 |
| RP-52 | | RP-110654 | 2879 | - | Correction to GCF WI-010 RLC test case 7.2.3.24 | F | 8.9.0 | 9.0.0 | R5s110108 |
| RP-52 | | RP-110654 | 2877 | - | Correction to HSPA7\_ENH test suite | F | 8.9.0 | 9.0.0 | R5s110111 |
| RP-52 | | RP-110654 | 2876 | - | Correction to the Rel-7 Enhanced Cell FACH test case 14.5.3 and 8.1.10.2 | F | 8.9.0 | 9.0.0 | R5s110113 |
| RP-52 | | RP-110654 | 2875 | - | Correction to the Rel-7 Enhanced Cell FACH test case 8.2.2.59 | F | 8.9.0 | 9.0.0 | R5s110126 |
| RP-52 | | RP-110654 | 2883 | - | Regression CR on wk10 UMTS ATS | F | 8.9.0 | 9.0.0 | R5s110169 |
| RP-52 | | RP-110654 | 2889 | - | Baseline upgrade of UTRA ATS to March-11 in Rel-9 | F | 8.9.0 | 9.0.0 | R5s110175 |
| RP-52 | | RP-110654 | 2884 | - | Corrections to Rel-7 Enhanced CellFACH testcases (11wk10) | F | 8.9.0 | 9.0.0 | R5s110191 |
| RP-52 | | RP-110654 | 2886 | - | Correction to GCF WI-101 HSPA7 test case 8.1.7.3c | F | 8.9.0 | 9.0.0 | R5s110224 |
| RP-52 | | RP-110654 | 2887 | - | Correction to GCF WI-010 NAS test cases 12.2.1.4.1 and 12.2.1.5a.1 | F | 8.9.0 | 9.0.0 | R5s110225 |
| RP-52 | | RP-110654 | 2885 | - | Corrections to UTRA Rel-7 & Rel-8 testcases (11wk10) | F | 8.9.0 | 9.0.0 | R5s110229 |
| RP-52 | | RP-110654 | 2888 | - | Regression CR on wk10 UMTS ATS | F | 8.9.0 | 9.0.0 | R5s110231 |
| RP-52 | | RP-110654 | 2891 | - | Correction to RRC HSDPA test case 8.2.2.42 | F | 8.9.0 | 9.0.0 | R5s110240 |
| RP-52 | | RP-110654 | 2890 | - | Correction to the transmission of SI 2Bis for MRAT test cases | F | 8.9.0 | 9.0.0 | R5s110241 |
| RP-53 | | RP-111158 | 2894 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 9.0.0 | 9.1.0 | - |
| RP-53 | | RP-111142 | 2892 | - | Routine maintenance and updates for LCR TDD | F | 9.0.0 | 9.1.0 | R5-113036 |
| RP-53 | | RP-111143 | 2893 | - | Routine maintenance and updates | F | 9.0.0 | 9.1.0 | R5-113653 |
| RP-53 | | RP-111159 | 2896 | - | Correction to the idle mode test case 6.1.2.3 | F | 9.0.0 | 9.1.0 | R5s110280 |
| RP-53 | | RP-111159 | 2895 | - | Correction to AT commands used for PS call activation | F | 9.0.0 | 9.1.0 | R5s110281 |
| RP-53 | | RP-111159 | 2897 | - | Correction to GCF WI 25 HSUPA MAC test case 7.1.6.1.1 | F | 9.0.0 | 9.1.0 | R5s110284 |
| RP-53 | | RP-111159 | 2898 | - | Correction to GCF WI-010 test case 12.6.1.3.3 | F | 9.0.0 | 9.1.0 | R5s110316 |
| RP-53 | | RP-111159 | 2903 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.1.1.5a to HSPA7\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110332 |
| RP-53 | | RP-111159 | 2902 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.1.1.12 to HSPA7\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110334 |
| RP-53 | | RP-111159 | 2901 | - | Correction to GCF WI-010 Idle mode test case 6.1.2.3 | F | 9.0.0 | 9.1.0 | R5s110343 |
| RP-53 | | RP-111159 | 2900 | - | Correction to GCF WI-010 RRC test case 8.3.2.12 | F | 9.0.0 | 9.1.0 | R5s110344 |
| RP-53 | | RP-111159 | 2899 | - | Correction to GCF WI-068 RRC test case 8.2.2.57 | F | 9.0.0 | 9.1.0 | R5s110345 |
| RP-53 | | RP-111159 | 2906 | - | Adding originating subscribed traffic call in RRC establishment cause | F | 9.0.0 | 9.1.0 | R5s110349 |
| RP-53 | | RP-111159 | 2905 | - | Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.4.1.50 to HSPA7\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110366 |
| RP-53 | | RP-111159 | 2904 | - | Addition of GCF WI-110 Enhanced Cell FACH DL test case 7.1.5a.7 to HSPA7\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110380 |
| RP-53 | | RP-111159 | 2909 | - | Addition of GCF WI-118 MIMO Enhancement test case 8.2.2.62 to HSPA7\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110387 |
| RP-53 | | RP-111159 | 2908 | - | Addition of 3G eCall test case 13.3.1.2 to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110390 |
| RP-53 | | RP-111159 | 2907 | - | Addition of 3G eCall test case 13.3.1.3 to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110392 |
| RP-53 | | RP-111159 | 2914 | - | Corrections to Rel6 RRC and idle mode test cases | F | 9.0.0 | 9.1.0 | R5s110434 |
| RP-53 | | RP-111159 | 2910 | - | Corrections to UTRA 11wk21 ATS | F | 9.0.0 | 9.1.0 | R5s110477 |
| RP-53 | | RP-111159 | 2913 | - | Addition of GCF WI-070 HS SCCH Less test case 8.2.6.56 to HSPA7\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110479 |
| RP-53 | | RP-111159 | 2912 | - | Correction to GCF WI-110 test case 8.4.1.50 | F | 9.0.0 | 9.1.0 | R5s110490 |
| RP-53 | | RP-111159 | 2911 | - | Addition of GCF WI-070 HS SCCH Less test case 8.2.1.39 to HSPA7\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110501 |
| RP-53 | | RP-111159 | 2919 | - | Addition of PPAC NAS test case 12.2.2.10 to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110503 |
| RP-53 | | RP-111159 | 2918 | - | Addition of GCF WI-129 DC-HSDPA test case 14.6.1f to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110522 |
| RP-53 | | RP-111159 | 2917 | - | Addition of GCF WI-129 DC-HSDPA test case 14.6.1g to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110524 |
| RP-53 | | RP-111159 | 2916 | - | Addition of GCF WI-129 DC-HSDPA test case 14.6.6e to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110536 |
| RP-53 | | RP-111159 | 2915 | - | Addition of GCF WI-129 DC-HSDPA test case 8.3.4.15 to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110538 |
| RP-53 | | RP-111159 | 2921 | - | Addition of eCall test case 13.3.1.5 to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110542 |
| RP-53 | | RP-111159 | 2920 | - | Addition of eCall test case 13.3.1.7 to HSPA8\_ENH ATS | F | 9.0.0 | 9.1.0 | R5s110544 |
| RP-54 | | RP-111583 | 2922 | - | Routine maintenance and updates for UTRA FDD | F | 9.1.0 | 9.2.0 | R5-115748 |
| RP-54 | | RP-111585 | 2923 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 9.1.0 | 9.2.0 | - |
| RP-54 | | RP-111586 | 2924 | - | Addition of GCF WI-130 Improved L2 UL RAB test case 14.7.3a to HSPA8\_ENH ATS | F | 9.1.0 | 9.2.0 | R5s110540 |
| RP-54 | | RP-111586 | 2925 | - | Correction to GCF WI-012 RRC test case 8.3.4.8 | F | 9.1.0 | 9.2.0 | R5s110606 |
| RP-54 | | RP-111586 | 2926 | - | Corrections to 11wk36 ATS for Rel-7/Rel-8 testcases | F | 9.1.0 | 9.2.0 | R5s110635 |
| RP-54 | | RP-111586 | 2927 | - | Addition of GCF WI-118 MIMO test case 8.2.6.63 to HSPA7\_ENH ATS | F | 9.1.0 | 9.2.0 | R5s110629 |
| RP-54 | | RP-111586 | 2928 | - | Addition of GCF WI-118 MIMO test case 8.2.6.54a to HSPA7\_ENH ATS | F | 9.1.0 | 9.2.0 | R5s110627 |
| RP-54 | | RP-111586 | 2929 | - | Addition of GCF WI-129 DC-HSDPA test case 14.6.6f to HSPA8\_ENH ATS | F | 9.1.0 | 9.2.0 | R5s110625 |
| RP-54 | | RP-111586 | 2930 | - | Regression CR for UTRA wk36 ATS | F | 9.1.0 | 9.2.0 | R5s110597 |
| RP-54 | | RP-111586 | 2931 | - | Addition of GCF WI-130 Improved L2 UL RAB test case 14.7.6c to HSPA8\_ENH ATS | F | 9.1.0 | 9.2.0 | R5s110662 |
| RP-54 | | RP-111586 | 2932 | - | Addition of PPAC RRC test case 8.1.2.26 to HSPA8\_ENH ATS | F | 9.1.0 | 9.2.0 | R5s110660 |
| RP-54 | | RP-111586 | 2933 | - | Correction to GMM test cases 12.4.1.4c2 and 12.4.1.4d1 | F | 9.1.0 | 9.2.0 | R5s110686 |
| RP-54 | | RP-111586 | 2934 | - | Changes related to originating subscribed traffic call | F | 9.1.0 | 9.2.0 | R5s110689 |
| RP-54 | | RP-111586 | 2935 | - | Addition of TC 8.1.5.7 to HSPA9 ATS | F | 9.1.0 | 9.2.0 | R5s110671 |
| RP-54 | | RP-111586 | 2936 | - | Correction to GCF WI-068 RAB test case 14.7.6b | F | 9.1.0 | 9.2.0 | R5s110716 |
| RP-54 | | RP-111586 | 2937 | - | Correction to ts\_SetMCC\_VPLMN\_Band6 | F | 9.1.0 | 9.2.0 | R5s110715 |
| RP-54 | | RP-111586 | 2938 | - | Correction to GCF WI-010 NAS test case 12.4.1.4a | F | 9.1.0 | 9.2.0 | R5s110714 |
| RP-54 | | RP-111586 | 2939 | - | Corrections to GCF WI-070 CPC test case 8.3.4.11 | F | 9.1.0 | 9.2.0 | R5s110711 |
| RP-55 | | RP-120172 | 2940 | - | Routine maintenance and updates for LCR TDD | F | 9.2.0 | 9.3.0 | R5-120307 |
| RP-55 | | RP-120184 | 2941 | - | Routine maintenance and updates | F | 9.2.0 | 9.3.0 | R5-120613 |
| RP-55 | | RP-120185 | 2942 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 9.2.0 | 9.3.0 | - |
| RP-55 | | RP-120186 | 2943 | - | Addition of Rel-8 64QAM+Mimo RAB test case 14.6.6d to HSPA8\_ENH ATS | F | 9.2.0 | 9.3.0 | R5s110735 |
| RP-55 | | RP-120186 | 2944 | - | Addition of Rel-8 64QAM+Mimo RAB test case 14.6.1e to HSPA8\_ENH ATS | F | 9.2.0 | 9.3.0 | R5s110733 |
| RP-55 | | RP-120186 | 2945 | - | Regression CR for UTRA wk48 ATS | F | 9.2.0 | 9.3.0 | R5s120015 |
| RP-55 | | RP-120186 | 2946 | - | Correction to GCF WI-110 Enhanced Cell FACH test case 8.3.1.47 | F | 9.2.0 | 9.3.0 | R5s120005 |
| RP-55 | | RP-120186 | 2947 | - | Addition of eCall test case 13.3.1.4 to HSPA8\_ENH ATS | F | 9.2.0 | 9.3.0 | R5s110797 |
| RP-55 | | RP-120186 | 2948 | - | Addition of GCF WI-130 Improved L2 UL MAC test case 7.1.7.1 to HSPA8\_ENH ATS | F | 9.2.0 | 9.3.0 | R5s110755 |
| RP-55 | | RP-120186 | 2949 | - | Corrections to 11wk48 ATS for Rel-7/Rel-8 testcases | F | 9.2.0 | 9.3.0 | R5s120047 |
| RP-55 | | RP-120186 | 2950 | - | Correction to selection expression for GMM TCs 12.9.x | F | 9.2.0 | 9.3.0 | R5s120032 |
| RP-55 | | RP-120186 | 2951 | - | Correction to GCF WI-110 Enhanced Cell FACH test case 7.1.5a.7 | F | 9.2.0 | 9.3.0 | R5s120004 |
| RP-55 | | RP-120186 | 2952 | - | Correction to MS Classmark 2 and MS Identity IEs in the NAS Messages | F | 9.2.0 | 9.3.0 | R5s120063 |
| RP-55 | | RP-120186 | 2953 | - | Addition of GCF WI-129 DC test case 8.3.4.16 to HSPA8\_ENH ATS | F | 9.2.0 | 9.3.0 | R5s120043 |
| RP-55 | | RP-120186 | 2954 | - | Addition of GCF WI-129 DC test case 8.3.4.16a to HSPA8\_ENH ATS | F | 9.2.0 | 9.3.0 | R5s120045 |
| RP-55 | | RP-120186 | 2955 | - | Addition of GCF WI-129 DC test case 8.3.4.15a to HSPA8\_ENH ATS | F | 9.2.0 | 9.3.0 | R5s120041 |
| RP-55 | | RP-120186 | 2956 | - | Correction to RRC test case 8.3.2.11 | F | 9.2.0 | 9.3.0 | R5s120064 |
| RP-55 | | RP-120186 | 2957 | - | Correction to test case 8.1.5.7 | F | 9.2.0 | 9.3.0 | R5s120066 |
| RP-56 | | RP-120650 | 2959 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 9.3.0 | 10.0.0 | - |
| RP-56 | | RP-120666 | 2958 | - | Routine maintenance and updates | F | 9.3.0 | 10.0.0 | R5-121732 |
| RP-56 | | RP-120654 | 2977 | - | Correction to UTRA test cases | F | 9.3.0 | 10.0.0 | R5s120085 |
| RP-56 | | RP-120654 | 2976 | - | Correction to selection expression of GCF WI-67 test case 14.6.6c | F | 9.3.0 | 10.0.0 | R5s120094 |
| RP-56 | | RP-120654 | 2975 | - | Regression CR for UTRA wk08 ATS | F | 9.3.0 | 10.0.0 | R5s120123 |
| RP-56 | | RP-120654 | 2972 | - | Corrections to VoiceDomainPref IE definition in Attach Request | F | 9.3.0 | 10.0.0 | R5s120131 |
| RP-56 | | RP-120654 | 2974 | - | Correction to the NAS test cases for USIM removal | F | 9.3.0 | 10.0.0 | R5s120171 |
| RP-56 | | RP-120654 | 2973 | - | Correction to GCF WI-010 NAS test case 12.4.1.4a | F | 9.3.0 | 10.0.0 | R5s120172 |
| RP-56 | | RP-120654 | 2964 | - | Baseline upgrade of UTRA ATS to March-12 in Rel-10 | F | 9.3.0 | 10.0.0 | R5s120177 |
| RP-56 | | RP-120654 | 2971 | - | Correction to UTRA RRC PPAC test case 8.1.2.26 | F | 9.3.0 | 10.0.0 | R5s120217 |
| RP-56 | | RP-120654 | 2970 | - | Addition of 3G eCall test case 13.3.1.6 to HSPA8\_ENH ATS | F | 9.3.0 | 10.0.0 | R5s120225 |
| RP-56 | | RP-120654 | 2969 | - | Correction to Rel-99 RRC test case 8.3.1.9 | F | 9.3.0 | 10.0.0 | R5s120242 |
| RP-56 | | RP-120654 | 2966 | - | Correction to UTRA Capability testcase 8.1.5.7 (Based on 12wk08 ATS) | F | 9.3.0 | 10.0.0 | R5s120267 |
| RP-56 | | RP-120654 | 2967 | - | Corrections to Rel-8 testcases (12wk08 ATS) | F | 9.3.0 | 10.0.0 | R5s120268 |
| RP-56 | | RP-120654 | 2968 | - | Corrections to NAS testcase 9.4.2.4.1 (12wk08 ATS) | F | 9.3.0 | 10.0.0 | R5s120269 |
| RP-56 | | RP-120654 | 2965 | - | Correction to test step ts\_SendSysInfoType2ter | F | 9.3.0 | 10.0.0 | R5s120270 |
| RP-56 | | RP-120654 | 2963 | - | Correction to IRAT test cases in IR\_U Test Suite | F | 9.3.0 | 10.0.0 | R5s120272 |
| RP-56 | | RP-120654 | 2962 | - | Addition of 3G eCall test case 13.3.1.10 to HSPA8\_ENH ATS | F | 9.3.0 | 10.0.0 | R5s120299 |
| RP-56 | | RP-120654 | 2961 | - | Correction to UTRA test case 8.1.5.7 | F | 9.3.0 | 10.0.0 | R5s120337 |
| RP-56 | | RP-120654 | 2960 | - | Correction to UTRA test case 8.4.1.8 | F | 9.3.0 | 10.0.0 | R5s120343 |
| RP-57 | | RP-121103 | 2978 | - | 34123-3: Routine maintenance and updates | F | 10.0.0 | 10.1.0 | R5-123084 |
| RP-57 | | RP-121103 | 2979 | - | Removal of technical content in 34.123-3 v9.4.0 and substitution with pointer to the next Release | F | 10.0.0 | 10.1.0 | R5-123308 |
| RP-57 | | RP-121105 | 2980 | - | Regression CR for UTRA wk16 ATS | F | 10.0.0 | 10.1.0 | R5s120273 |
| RP-57 | | RP-121105 | 2981 | - | Addition of ETWS test case 8.1.1.13 to HSPA8\_ENH ATS | F | 10.0.0 | 10.1.0 | R5s120362 |
| RP-57 | | RP-121105 | 2982 | - | Regression CR for UTRA 12wk16 ATS | F | 10.0.0 | 10.1.0 | R5s120376 |
| RP-57 | | RP-121105 | 2983 | - | Addition of CS Voice over HSPA test case 7.3.7.2 to HSPA8 ATS | F | 10.0.0 | 10.1.0 | R5s120384 |
| RP-57 | | RP-121105 | 2984 | - | Addition of CS Voice over HSPA test case 8.3.1.48 to HSPA8 ATS | F | 10.0.0 | 10.1.0 | R5s120444 |
| RP-57 | | RP-121105 | 2985 | - | Correction to UTRA test case 8.1.5.7 | F | 10.0.0 | 10.1.0 | R5s120460 |
| RP-57 | | RP-121105 | 2986 | - | Correction to Ecall tescases. | F | 10.0.0 | 10.1.0 | R5s120577 |
| RP-57 | | RP-121105 | 2987 | - | Correction to Rel-7/Rel-8 testcases based on 12wk23 ATS | F | 10.0.0 | 10.1.0 | R5s120578 |
| RP-57 | | RP-121105 | 2988 | - | Addition of GCF WI-130 Improved L2 UL MAC test case 7.1.7.3 to HSPA8\_ENH ATS | F | 10.0.0 | 10.1.0 | R5s120598 |
| RP-57 | | RP-121105 | 2990 | - | Correction to HSUPA UTRA test case 14.7.8 | F | 10.0.0 | 10.1.0 | R5s120603 |
| RP-57 | | RP-121104 | 2989 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 10.0.0 | 10.1.0 | - |
| RP-58 | | RP-121664 | 2991 | - | 34123-3: Routine maintenance and updates | F | 10.1.0 | 10.2.0 | R5-125121 |
| RP-58 | | RP-121679 | 2992 | - | Introduction of PIXIT parameter for ANR measurement and logging wait time | F | 10.1.0 | 10.2.0 | R5-125257 |
| RP-58 | | RP-121667 | 2993 | - | Regression CR for UTRA wk23 ATS | F | 10.1.0 | 10.2.0 | R5s120601 |
| RP-58 | | RP-121667 | 2994 | - | Correction to NAS test cases to allow any value for power off during USIM removal | F | 10.1.0 | 10.2.0 | R5s120616 |
| RP-58 | | RP-121667 | 2995 | - | Correction to UTRA ETWS test case 8.1.1.13 | F | 10.1.0 | 10.2.0 | R5s120624 |
| RP-58 | | RP-121667 | 2996 | - | Correction to UTRA RRC test case 8.2.2.59 | F | 10.1.0 | 10.2.0 | R5s120626 |
| RP-58 | | RP-121667 | 2997 | - | Adding Guard Timer extension for manul PLMN test cases | F | 10.1.0 | 10.2.0 | R5s120627 |
| RP-58 | | RP-121667 | 2998 | - | Correction to UTRA test case 6.2.1.1 | F | 10.1.0 | 10.2.0 | R5s120630 |
| RP-58 | | RP-121667 | 2999 | - | Correction to UTRA RRC test case 8.3.1.47 | F | 10.1.0 | 10.2.0 | R5s120631 |
| RP-58 | | RP-121667 | 3000 | - | Addition of GCF WI-112 UTRA test case 14.7.1a | F | 10.1.0 | 10.2.0 | R5s120635 |
| RP-58 | | RP-121667 | 3001 | - | Correction to UTRA test case 6.1.1.14 | F | 10.1.0 | 10.2.0 | R5s120640 |
| RP-58 | | RP-121667 | 3002 | - | Addition of GCF WI-112 UTRA test case 14.7.6a | F | 10.1.0 | 10.2.0 | R5s120645 |
| RP-58 | | RP-121667 | 3003 | - | Correction to CSoverHSPA test cases 7.3.7.2 and 8.3.1.48 | F | 10.1.0 | 10.2.0 | R5s120674 |
| RP-58 | | RP-121667 | 3004 | - | Corrections to ETWS testcase 8.1.1.13 | F | 10.1.0 | 10.2.0 | R5s120687 |
| RP-58 | | RP-121667 | 3005 | - | Regression CR for UTRA 12wk35 ATS | F | 10.1.0 | 10.2.0 | R5s120712 |
| RP-58 | | RP-121667 | 3006 | - | Correction to eCall test cases 13.3.1.6 & 13.3.1.10 | F | 10.1.0 | 10.2.0 | R5s120716 |
| RP-58 | | RP-121667 | 3007 | - | Correction to IR\_U test cases 6.2.1.7 and 6.2.1.8 | F | 10.1.0 | 10.2.0 | R5s120792 |
| RP-58 | | RP-121667 | 3008 | - | Correction to UTRA test case 7.1.7.1 | F | 10.1.0 | 10.2.0 | R5s120794 |
| RP-58 | | RP-121667 | 3009 | - | Correction to UTRA Capability test case 8.1.5.7 | F | 10.1.0 | 10.2.0 | R5s120803 |
| RP-58 | | RP-121667 | 3010 | - | Correction to Rel-6 UTRA testcases | F | 10.1.0 | 10.2.0 | R5s120804 |
| RP-58 | | RP-121667 | 3011 | - | Corrections to Rel-8 UTRA test cases | F | 10.1.0 | 10.2.0 | R5s120805 |
| RP-58 | | RP-121667 | 3012 | - | Correction to Inter-RAT (3G-2G) test cases | F | 10.1.0 | 10.2.0 | R5s120806 |
| RP-58 | | RP-121667 | 3013 | - | Correction in GERAN preamble part for IR\_G test cases | F | 10.1.0 | 10.2.0 | R5s120807 |
| RP-58 | | RP-121667 | 3014 | - | Correction to UTRA test case 8.1.1.13 | F | 10.1.0 | 10.2.0 | R5s120814 |
| RP-58 | | RP-121667 | 3015 | - | Corrections to UTRA SMS test case 16.3 for CS only Domain | F | 10.1.0 | 10.2.0 | R5s120840 |
| RP-58 | | RP-121666 | 3016 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 10.1.0 | 10.2.0 | - |
| RP-59 | | RP-130161 | 3017 | - | 34123-3: Routine maintenance and updates | F | 10.2.0 | 10.3.0 | R5-130613 |
| RP-59 | | RP-130141 | 3018 | - | Remove GEA1 | F | 10.2.0 | 10.3.0 | R5-130618 |
| RP-59 | | RP-130148 | 3019 | - | Correction to UTRA GMM test case 12.4.1.3 | F | 10.2.0 | 10.3.0 | R5s120874 |
| RP-59 | | RP-130148 | 3020 | - | Correction to UTRA GMM test case 12.2.1.5d | F | 10.2.0 | 10.3.0 | R5s120875 |
| RP-59 | | RP-130148 | 3021 | - | Correction to UTRA Test Case 16.2.1 | F | 10.2.0 | 10.3.0 | R5s120877 |
| RP-59 | | RP-130148 | 3022 | - | Correction to UTRA RRC Test Cases 6.1.2.1 and 6.1.2.1a for CS only mode | F | 10.2.0 | 10.3.0 | R5s120924 |
| RP-59 | | RP-130148 | 3023 | - | Correction to UTRA Idle Mode Test Case 6.2.1.6 | F | 10.2.0 | 10.3.0 | R5s120927 |
| RP-59 | | RP-130148 | 3024 | - | Correction to ts\_UpdateRegistration\_SharedPLMN test step | F | 10.2.0 | 10.3.0 | R5s120928 |
| RP-59 | | RP-130148 | 3025 | - | Correction to UTRA RRC test case 8.4.1.50 | F | 10.2.0 | 10.3.0 | R5s120929 |
| RP-59 | | RP-130148 | 3026 | - | Correction to UTRA test case 12.3.2.8 Proc1 | F | 10.2.0 | 10.3.0 | R5s120930 |
| RP-59 | | RP-130148 | 3027 | - | Correction to ts\_UpdateRegistration\_SharedPLMN and ts\_NAS\_MM\_LUP\_r6\_SharedPLMN test steps for CS only mode | F | 10.2.0 | 10.3.0 | R5s120932 |
| RP-59 | | RP-130148 | 3028 | - | Correction to UTRA RRC test case 8.3.1.30 | F | 10.2.0 | 10.3.0 | R5s120936 |
| RP-59 | | RP-130148 | 3029 | - | Correction to UTRA RLC test case 7.2.3.13 | F | 10.2.0 | 10.3.0 | R5s120957 |
| RP-59 | | RP-130148 | 3030 | - | Correction to UTRA Test Case 6.2.1.6 | F | 10.2.0 | 10.3.0 | R5s120962 |
| RP-59 | | RP-130148 | 3031 | - | Corrections to UTRA test cases 12.4.1.3 and 12.2.1.5d | F | 10.2.0 | 10.3.0 | R5s120966 |
| RP-59 | | RP-130148 | 3032 | - | Addition of Fast Dormancy test case 8.1.9c to HSPA8\_ENH ATS | F | 10.2.0 | 10.3.0 | R5s130030 |
| RP-59 | | RP-130148 | 3033 | - | Addition of Fast Dormancy test case 8.1.9e to HSPA8\_ENH ATS | F | 10.2.0 | 10.3.0 | R5s130032 |
| RP-59 | | RP-130148 | 3034 | - | Correction to Rel-5 testcase 7.1.5.4 | F | 10.2.0 | 10.3.0 | R5s130035 |
| RP-59 | | RP-130148 | 3035 | - | Correction to Rel-7 testcase 8.4.1.50 | F | 10.2.0 | 10.3.0 | R5s130036 |
| RP-59 | | RP-130148 | 3036 | - | Addition of Fast Dormancy test case 8.1.9d to HSPA8\_ENH ATS | F | 10.2.0 | 10.3.0 | R5s130047 |
| RP-59 | | RP-130148 | 3037 | - | Addition of ETWS test case 8.1.1.19 to HSPA8\_ENH ATS | F | 10.2.0 | 10.3.0 | R5s130053 |
| RP-59 | | RP-130148 | 3038 | - | Correction to ts\_RRC\_ReceiveUE\_CapabilityInfo\_83148 function | F | 10.2.0 | 10.3.0 | R5s130059 |
| RP-59 | | RP-130148 | 3039 | - | Correction to Rel-8 MAC-I/Is testcase 7.1.7.3 | F | 10.2.0 | 10.3.0 | R5s130075 |
| RP-59 | | RP-130147 | 3040 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 10.2.0 | 10.3.0 | - |
| RP-60 | | RP-130621 | 3041 | - | 3C/4C test model | F | 10.3.0 | 10.4.0 | R5-132000 |
| RP-60 | | RP-130625 | 3042 | - | 34123-3: Routine maintenance and updates | F | 10.3.0 | 10.4.0 | R5-132001 |
| RP-60 | | RP-130615 | 3043 | - | Freezing test baseline for UTRAN TTCN-2 ATSs | F | 10.3.0 | 10.4.0 | R5s130080 |
| RP-60 | | RP-130615 | 3044 | - | Correction to UTRA Test Case 9.4.3.3 | F | 10.3.0 | 10.4.0 | R5s130093 |
| RP-60 | | RP-130615 | 3045 | - | Correction of UTRA NAS Test Case 12.9.7b | F | 10.3.0 | 10.4.0 | R5s130096 |
| RP-60 | | RP-130615 | 3046 | - | Correction to UTRA Test Case 8.1.5.7 | F | 10.3.0 | 10.4.0 | R5s130099 |
| RP-60 | | RP-130615 | 3047 | - | Addition of Rel-8 Mac-I\Is test case 8.2.2.61 to HSPA8\_ENH ATS | F | 10.3.0 | 10.4.0 | R5s130101 |
| RP-60 | | RP-130615 | 3048 | - | Correction of UTRA NAS Test Case 12.2.1.5b | F | 10.3.0 | 10.4.0 | R5s130121 |
| RP-60 | | RP-130615 | 3049 | - | Correction to UTRA HSU Test Case 6.2.1.11 | F | 10.3.0 | 10.4.0 | R5s130130 |
| RP-60 | | RP-130615 | 3050 | - | Correction to px\_CipherAlg PIXIT Type (TTCN-2) | F | 10.3.0 | 10.4.0 | R5s130136 |
| RP-60 | | RP-130615 | 3051 | - | Correction of UTRA NAS Test Case 12.9.7c | F | 10.3.0 | 10.4.0 | R5s130168 |
| RP-60 | | RP-130615 | 3052 | - | Correction to UTRA HSU Test Case 14.7.7 | F | 10.3.0 | 10.4.0 | R5s130176 |
| RP-60 | | RP-130615 | 3053 | - | Correction to UTRA HSPA8 Test Case 7.3.7.2 | F | 10.3.0 | 10.4.0 | R5s130177 |
| RP-60 | | RP-130615 | 3054 | - | Correction to UTRA HSPA8 Test Case 8.3.1.48 | F | 10.3.0 | 10.4.0 | R5s130178 |
| RP-60 | | RP-130615 | 3055 | - | Correction to c\_E\_DPDCH\_Info\_SIConf\_r8 in HS9 ATS | F | 10.3.0 | 10.4.0 | R5s130186 |
| RP-60 | | RP-130615 | 3056 | - | Correction to timer T323 declaration in HS8 test suite | F | 10.3.0 | 10.4.0 | R5s130188 |
| RP-60 | | RP-130615 | 3057 | - | Correction to eCall testcases. | F | 10.3.0 | 10.4.0 | R5s130193 |
| RP-60 | | RP-130615 | 3058 | - | Correction to Rel-8 MAC-I/Is testcase 8.2.2.61 | F | 10.3.0 | 10.4.0 | R5s130194 |
| RP-60 | | RP-130615 | 3059 | - | Correction to PTCRB IRAT testcase 6.2.1.2a | F | 10.3.0 | 10.4.0 | R5s130196 |
| RP-60 | | RP-130615 | 3060 | - | Correction to PTCRB IRAT testcases 6.2.1.8a.2 and 6.2.1.8a.3 | F | 10.3.0 | 10.4.0 | R5s130197 |
| RP-60 | | RP-130615 | 3061 | - | Summary of regression errors in 13wk07 HSPA\_R8 ATS | F | 10.3.0 | 10.4.0 | R5s130198 |
| RP-60 | | RP-130615 | 3062 | - | Correction to Fast Dormancy testcase 8.1.9e | F | 10.3.0 | 10.4.0 | R5s130199 |
| RP-60 | | RP-130615 | 3063 | - | Correction to Fast Dormancy testcase 8.1.9d | F | 10.3.0 | 10.4.0 | R5s130200 |
| RP-60 | | RP-130615 | 3064 | - | Correction to ts\_RRC\_ReceiveConnSetupCmpl\_r7 function. | F | 10.3.0 | 10.4.0 | R5s130203 |
| RP-60 | | RP-130615 | 3065 | - | Correction to ts\_RRC\_ReceiveConnSetupCmpl\_r8 function. | F | 10.3.0 | 10.4.0 | R5s130204 |
| RP-60 | | RP-130615 | 3066 | - | Correction to ts\_RRC\_ReceiveConnSetupCmpl\_r9 function. | F | 10.3.0 | 10.4.0 | R5s130205 |
| RP-60 | | RP-130615 | 3067 | - | Correction to ts\_CheckOperationBandUnderTest function | F | 10.3.0 | 10.4.0 | R5s130247 |
| RP-60 | | RP-130615 | 3068 | - | Correction to ts\_RRC\_ReceiveConnSetupCmpl\_r9, ts\_RRC\_ReceiveConnSetupCmpl\_r8, ts\_RRC\_ReceiveConnSetupCmpl\_r7 functions | F | 10.3.0 | 10.4.0 | R5s130248 |
| RP-60 | | RP-130615 | 3069 | - | Correction to UTRA HSDPA test case 11.1.1.1A | F | 10.3.0 | 10.4.0 | R5s130277 |
| RP-60 | | RP-130615 | 3070 | - | Correction to ts\_CheckBand8\_To22 function | F | 10.3.0 | 10.4.0 | R5s130282 |
| RP-60 | | RP-130615 | 3071 | - | Correction of UTRA HS7 Test Case 8.1.1.12 | F | 10.3.0 | 10.4.0 | R5s130284 |
| RP-60 | | RP-130615 | 3072 | - | Correction to UTRA test case 12.2.1.5d | F | 10.3.0 | 10.4.0 | R5s130304 |
| RP-60 | | RP-130615 | 3073 | - | Correction in UTRA test case 8.1.5.7. | F | 10.3.0 | 10.4.0 | R5s130306 |
| RP-60 | | RP-130615 | 3074 | - | Correction of UTRA HSU TC 6.2.2.4 for CS only mode. | F | 10.3.0 | 10.4.0 | R5s130328 |
| RP-60 | | RP-130615 | 3075 | - | Correction of UTRA HSPA7 TC 8.3.4.13 | F | 10.3.0 | 10.4.0 | R5s130346 |
| RP-60 | | RP-130614 | 3076 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 10.3.0 | 10.4.0 | - |
| RP-61 | | RP-131102 | 3077 | - | Corrections to the test QoS paramenters of PDP contexts | F | 10.4.0 | 10.5.0 | R5-133508 |
| RP-61 | | RP-131105 | 3079 | - | Addition of UTRA Capability test case 8.1.5.7 (TTCN-3) | F | 10.4.0 | 10.5.0 | R5s130350 |
| RP-61 | | RP-131105 | 3080 | - | Correction in implementation of new tcv for UTRAN test cases | F | 10.4.0 | 10.5.0 | R5s130391 |
| RP-61 | | RP-131105 | 3081 | - | Correction of UTRA HSPA9 TC 8.1.5.7 | F | 10.4.0 | 10.5.0 | R5s130392 |
| RP-61 | | RP-131105 | 3082 | - | Summary of regression errors in 13wk23 HSPA\_R8 ATS | F | 10.4.0 | 10.5.0 | R5s130394 |
| RP-61 | | RP-131105 | 3083 | - | Corrections to ts\_CheckR9\_Capabilities function | F | 10.4.0 | 10.5.0 | R5s130410 |
| RP-61 | | RP-131105 | 3084 | - | Correction for UTRA HS8 TC 7.1.7.3 | F | 10.4.0 | 10.5.0 | R5s130415 |
| RP-61 | | RP-131105 | 3085 | - | Correction to 16QAM RAB testcases 14.7.1a & 14.7.6a | F | 10.4.0 | 10.5.0 | R5s130435 |
| RP-61 | | RP-131105 | 3086 | - | Correction of UTRA NAS TC 12.4.1.4a | F | 10.4.0 | 10.5.0 | R5s130445 |
| RP-61 | | RP-131105 | 3087 | - | Correction to UTRA Capability test case 8.1.5.7 (TTCN-3) | F | 10.4.0 | 10.5.0 | R5s130449 |
| RP-61 | | RP-131105 | 3088 | - | Correction of UTRA NAS TC 12.9.7b and 12.9.7c | F | 10.4.0 | 10.5.0 | R5s130450 |
| RP-61 | | RP-131105 | 3089 | - | Correction to UTRA test case 12.4.1.4c proc 1 | F | 10.4.0 | 10.5.0 | R5s130458 |
| RP-61 | | RP-131105 | 3090 | - | Correction of UTRA HSPA Test Case 8.3.4.16a | F | 10.4.0 | 10.5.0 | R5s130472 |
| RP-61 | | RP-131105 | 3091 | - | Corrections to UTRAN TTCN-3 test suite. | F | 10.4.0 | 10.5.0 | R5s130477 |
| RP-61 | | RP-131105 | 3092 | - | Correction to UTRAN PICS definitions | F | 10.4.0 | 10.5.0 | R5s130478 |
| RP-61 | | RP-131105 | 3093 | - | Correction for UTRAN test case 9.4.5.4.6 | F | 10.4.0 | 10.5.0 | R5s130480 |
| RP-61 | | RP-131105 | 3094 | - | Correction of UTRA HS7 TC 8.1.7.3c | F | 10.4.0 | 10.5.0 | R5s130499 |
| RP-61 | | RP-131105 | 3095 | - | Correction to UTRA Device Audit test case 8.1.5.7 in TTCN-3 | F | 10.4.0 | 10.5.0 | R5s130500 |
| RP-61 | | RP-131105 | 3096 | - | Correction to Fast dormancy testcase 8.1.9c | F | 10.4.0 | 10.5.0 | R5s130565 |
| RP-61 | | RP-131105 | 3097 | - | Correction to IR\_U testcase 8.3.7.17 | F | 10.4.0 | 10.5.0 | R5s130570 |
| RP-61 | | RP-131105 | 3098 | - | Correction to DL RB0 configuration | F | 10.4.0 | 10.5.0 | R5s130574 |
| RP-61 | | RP-131105 | 3099 | - | Correction to testcase 8.2.2.43a and 8.2.2.43b | F | 10.4.0 | 10.5.0 | R5s130575 |
| RP-61 | | RP-131105 | 3100 | - | Correction to ETWS testcase 8.1.1.13 | F | 10.4.0 | 10.5.0 | R5s130576 |
| RP-61 | | RP-131104 | 3101 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 10.4.0 | 10.5.0 | RP-131104 |
| RP-61 | | RP-131112 | 3076 | - | 3C/4C QoS & updates | F | 10.5.0 | 11.0.0 | R5-133190 |
| RP-61 | | RP-131114 | 3078 | - | 34123-3: Routine maintenance and updates | F | 10.5.0 | 11.0.0 | R5-133682 |
| RP-62 | | RP-131863 | 3103 | - | 34123-3: Routine maintenance and updates | F | 11.0.0 | 11.1.0 | R5-134957 |
| RP-62 | | RP-131866 | 3104 | - | Addition of WI-112 UL 16 QAM test case 8.2.6.64 to HSPA7\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130571 |
| RP-62 | | RP-131866 | 3105 | - | Correction to Test Cases 6.3.2.2 and 6.3.3.1 in HSPA8 ATS | F | 11.0.0 | 11.1.0 | R5s130595 |
| RP-62 | | RP-131866 | 3106 | - | Correction to UTRA Device Audit test case 8.1.5.7 (TTCN-3) | F | 11.0.0 | 11.1.0 | R5s130609 |
| RP-62 | | RP-131866 | 3107 | - | Addition of Rel-8 CSG test case 6.3.1.2 to HSPA8\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130620 |
| RP-62 | | RP-131866 | 3108 | - | Correction of parameter reference in UTRAN TTCN-2 IWD | F | 11.0.0 | 11.1.0 | R5s130626 |
| RP-62 | | RP-131866 | 3109 | - | Correction to testcase 7.1.6.3.2 | F | 11.0.0 | 11.1.0 | R5s130673 |
| RP-62 | | RP-131866 | 3110 | - | Correction to Rel-8 MAC-I/Is testcases | F | 11.0.0 | 11.1.0 | R5s130674 |
| RP-62 | | RP-131866 | 3111 | - | Correction for duplicate PICS parameter in 13wk34 HSPA9. | F | 11.0.0 | 11.1.0 | R5s130686 |
| RP-62 | | RP-131866 | 3112 | - | Correction to test step ts\_GetHFN in 13wk34 HSPA9 | F | 11.0.0 | 11.1.0 | R5s130687 |
| RP-62 | | RP-131866 | 3113 | - | Addition of Rel-8 CSG test case 12.2.2.7e to HSPA8\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130691 |
| RP-62 | | RP-131866 | 3114 | - | Correction of UTRA SMS TC 16.2.2 | F | 11.0.0 | 11.1.0 | R5s130694 |
| RP-62 | | RP-131866 | 3115 | - | Addition of WI-112 UL 16 QAM test case 7.1.6.3.2a to HSPA7\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130701 |
| RP-62 | | RP-131866 | 3116 | - | Correction to HSUPA test case 7.1.6.2.1 and 7.1.6.2.6 | F | 11.0.0 | 11.1.0 | R5s130719 |
| RP-62 | | RP-131866 | 3117 | - | Correction to UTRA Device Audit test case 8.1.5.7 (TTCN-3) | F | 11.0.0 | 11.1.0 | R5s130737 |
| RP-62 | | RP-131866 | 3118 | - | Addition of Rel-8 CSG test case 6.3.3.1 to HSPA8\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130790 |
| RP-62 | | RP-131866 | 3119 | - | Addition of Rel-8 CSG test case 6.3.3.2 to HSPA8\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130792 |
| RP-62 | | RP-131866 | 3120 | - | Correction for UTRAN test cases 12.2.2.1 and 12.4.1.2 | F | 11.0.0 | 11.1.0 | R5s130796 |
| RP-62 | | RP-131866 | 3121 | - | Correction of test step ts\_HSUPA\_Cfg\_Setup\_r7 | F | 11.0.0 | 11.1.0 | R5s130827 |
| RP-62 | | RP-131866 | 3122 | - | Addition of WI-070 UTRA CPC test case 7.1.6.2.11 to HSPA7\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130835 |
| RP-62 | | RP-131866 | 3123 | - | Correction to UTRA Device Audit test case 8.1.5.7 (TTCN-3) | F | 11.0.0 | 11.1.0 | R5s130848 |
| RP-62 | | RP-131866 | 3124 | - | Addition of Rel-5 Cell Broadcast (CMAS) test case 16.3a to HSD\_ENH\_R5 ATS | F | 11.0.0 | 11.1.0 | R5s130849 |
| RP-62 | | RP-131866 | 3125 | - | Correction to UTRA Device Audit test case 8.1.5.7 (TTCN-3) | F | 11.0.0 | 11.1.0 | R5s130861 |
| RP-62 | | RP-131866 | 3126 | - | Correction of selection expression for UTRA test case 8.1.10.2. | F | 11.0.0 | 11.1.0 | R5s130862 |
| RP-62 | | RP-131866 | 3127 | - | Addition of Rel-8 CSG test case 12.2.1.5e to HSPA8\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130868 |
| RP-62 | | RP-131866 | 3128 | - | Addition of Rel-8 CSG test case 12.4.2.5e to HSPA8\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130870 |
| RP-62 | | RP-131866 | 3129 | - | Addition of Rel-8 CSG test case 12.9.7d to HSPA8\_ENH ATS | F | 11.0.0 | 11.1.0 | R5s130872 |
| RP-62 | | RP-131865 | 3130 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 11.0.0 | 11.1.0 | - |
| RP-63 | | RP-140306 | 3131 | - | Routine maintenance and updates | F | 11.1.0 | 11.2.0 | R5-140314 |
| RP-63 | | RP-140303 | 3132 | - | Routine maintenance and updates for LCR TDD | F | 11.1.0 | 11.2.0 | R5-140315 |
| RP-63 | | RP-140311 | 3133 | - | Correction to Rel-8 Mac-i/is testcase 7.1.7.2 | F | 11.1.0 | 11.2.0 | R5s130874 |
| RP-63 | | RP-140311 | 3134 | - | Correction to RAB test cases | F | 11.1.0 | 11.2.0 | R5s130875 |
| RP-63 | | RP-140311 | 3135 | - | Addition of WI-158 UTRA CSG test case 6.3.2.2 to HSPA8\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s130881 |
| RP-63 | | RP-140311 | 3136 | - | Addition of Rel-8 CSG test case 9.4.2.6 to HSPA8\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s130905 |
| RP-63 | | RP-140311 | 3137 | - | Addition of Rel-8 CSG test case 12.4.1.4e to HSPA8\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s130907 |
| RP-63 | | RP-140311 | 3138 | - | Addition of Rel-8 CSG test case 6.3.2.1 to HSPA8\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s130909 |
| RP-63 | | RP-140311 | 3139 | - | Correction to test case 8.1.5.7 | F | 11.1.0 | 11.2.0 | R5s130928 |
| RP-63 | | RP-140311 | 3140 | - | Correction in UTRA test case 8.2.6.37b | F | 11.1.0 | 11.2.0 | R5s130932 |
| RP-63 | | RP-140311 | 3141 | - | Correction to Rel-8 CSG test cases based on 13wk48 delivery. | F | 11.1.0 | 11.2.0 | R5s130945 |
| RP-63 | | RP-140311 | 3142 | - | Correction to HSU test case 7.1.6.3.2 | F | 11.1.0 | 11.2.0 | R5s130948 |
| RP-63 | | RP-140311 | 3143 | - | Correction to UTRAN test case 12.4.1.4d2 | F | 11.1.0 | 11.2.0 | R5s130963 |
| RP-63 | | RP-140311 | 3144 | - | Correction to Rel-8 Mac-i/is testcase 7.1.7.3 | F | 11.1.0 | 11.2.0 | R5s140015 |
| RP-63 | | RP-140311 | 3145 | - | Correction to Rel-8 Mac-i/is testcase 7.1.7.2 | F | 11.1.0 | 11.2.0 | R5s140016 |
| RP-63 | | RP-140311 | 3146 | - | Addition of GCF WI-170 UTRA DB\_DC\_HSDPA test case 8.2.2.75 to HSPA9\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s140024 |
| RP-63 | | RP-140311 | 3147 | - | Addition of WI-170 UTRA DB\_DC\_HSDPA test case 8.2.2.74 to HSPA9\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s140029 |
| RP-63 | | RP-140311 | 3148 | - | Addition of WI-161 DC-HSU test case 8.2.2.76 to HSPA9\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s140033 |
| RP-63 | | RP-140311 | 3149 | - | Addition of WI-161 DC-HSU test case 8.2.2.77 to HSPA9\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s140035 |
| RP-63 | | RP-140311 | 3150 | - | Correction to UTRA test case 8.2.2.35 | F | 11.1.0 | 11.2.0 | R5s140077 |
| RP-63 | | RP-140311 | 3151 | - | Correction to UTRAN test case 9.4.5.3 and 12.4.1.4a | F | 11.1.0 | 11.2.0 | R5s140079 |
| RP-63 | | RP-140311 | 3152 | - | Addition of Rel-8 Fast Dormancy testcase 8.1.9f to HSPA8\_ENH ATS | B | 11.1.0 | 11.2.0 | R5s140081 |
| RP-63 | | RP-140310 | 3153 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 11.1.0 | 11.2.0 | - |
| RP-64 | | RP-140809 | 3154 | - | Update in regard to adding testing for A5/4 and GEA/4 | F | 11.2.0 | 11.3.0 | R5-142234 |
| RP-64 | | RP-140811 | 3155 | - | Routine maintenance and updates for LCR TDD | F | 11.2.0 | 11.3.0 | R5-142243 |
| RP-64 | | RP-140812 | 3156 | - | Routine maintenance and updates | F | 11.2.0 | 11.3.0 | R5-142973 |
| RP-64 | | RP-140820 | 3157 | - | Correction for Rel-7 or later UE supporting higher HSDPA categories, 13 or above for TC 11.1.1.1a | F | 11.2.0 | 11.3.0 | R5s140080 |
| RP-64 | | RP-140820 | 3158 | - | Correction to Rel-8 Mac-I\Is test case 8.2.2.61 to HSPA8\_ENH ATS | F | 11.2.0 | 11.3.0 | R5s140085 |
| RP-64 | | RP-140820 | 3159 | - | Correction to TC 8.1.5.7 (TTCN-3) | F | 11.2.0 | 11.3.0 | R5s140098 |
| RP-64 | | RP-140820 | 3160 | - | Correction to Rel-8 CSG testcases | F | 11.2.0 | 11.3.0 | R5s140125 |
| RP-64 | | RP-140820 | 3161 | - | Correction for Rel-7 or later UE supporting higher HSDPA categories, 13 or above for test case 11.1.1.1a | F | 11.2.0 | 11.3.0 | R5s140134 |
| RP-64 | | RP-140820 | 3162 | - | Correction to UTRA TTCN-3 test case 8.1.5.7 | F | 11.2.0 | 11.3.0 | R5s140135 |
| RP-64 | | RP-140820 | 3163 | - | Addition of Rel-9 CSG test case 6.3.1.4 to HSPA9\_ENH ATS | B | 11.2.0 | 11.3.0 | R5s140163 |
| RP-64 | | RP-140820 | 3164 | - | Correction of UTRA HS9 Test Case 8.2.2.77 | F | 11.2.0 | 11.3.0 | R5s140180 |
| RP-64 | | RP-140820 | 3165 | - | Correction of UTRA HS9 Test Case 8.2.2.74 | F | 11.2.0 | 11.3.0 | R5s140186 |
| RP-64 | | RP-140820 | 3166 | - | Correction of UTRA HS9 Test Case 8.2.2.76 | F | 11.2.0 | 11.3.0 | R5s140197 |
| RP-64 | | RP-140820 | 3167 | - | Correction to Rel-8 Mac-i/is testcase 8.2.2.61 | F | 11.2.0 | 11.3.0 | R5s140203 |
| RP-64 | | RP-140820 | 3168 | - | Corrections to UTRA TTCN-3 test case 8.1.5.7 | F | 11.2.0 | 11.3.0 | R5s140220 |
| RP-64 | | RP-140820 | 3169 | - | Correction to Rel-8 CSG testcase 9.4.2.6 | F | 11.2.0 | 11.3.0 | R5s140227 |
| RP-64 | | RP-140820 | 3170 | - | Correction to Rel-9 RRC DB-DC-HSDPA testcase 8.2.2.75 | F | 11.2.0 | 11.3.0 | R5s140228 |
| RP-64 | | RP-140820 | 3171 | - | Correction to Rel-9 RRC DB-DC-HSDPA testcase 8.2.2.74 | F | 11.2.0 | 11.3.0 | R5s140229 |
| RP-64 | | RP-140820 | 3172 | - | Correction to Rel-9 DC-HSU testcase 8.2.2.76 and 8.2.2.77 | F | 11.2.0 | 11.3.0 | R5s140232 |
| RP-64 | | RP-140820 | 3173 | - | Correction to UTRAN test case 8.1.2.21a | F | 11.2.0 | 11.3.0 | R5s140237 |
| RP-64 | | RP-140820 | 3174 | - | Correction to UTRAN test case 12.4.1.4a | F | 11.2.0 | 11.3.0 | R5s140238 |
| RP-64 | | RP-140820 | 3175 | - | Addidtion of Rel-8 CSG testcase 6.3.2.3 to HSPA8\_ENH ATS | B | 11.2.0 | 11.3.0 | R5s140270 |
| RP-64 | | RP-140820 | 3176 | - | Correction to Rel-7 WI-112 UL 16 QAM testcase 8.2.6.64 | F | 11.2.0 | 11.3.0 | R5s140272 |
| RP-64 | | RP-140820 | 3177 | - | Correction of UTRA HS9 Test Step ts\_CheckR9\_Capabilities | F | 11.2.0 | 11.3.0 | R5s140275 |
| RP-64 | | RP-140820 | 3178 | - | Correction to fl\_UTRAN34\_RRC\_ConnRel\_DCH | F | 11.2.0 | 11.3.0 | R5s140327 |
| RP-64 | | RP-140820 | 3179 | - | Correction to Rel-7 WI-112 UL 16 QAM testcase 7.1.6.3.2a | F | 11.2.0 | 11.3.0 | R5s140328 |
| RP-64 | | RP-140820 | 3180 | - | Addition of Rel-9 CSG test case 6.3.4.1 to HSPA9\_ENH ATS | B | 11.2.0 | 11.3.0 | R5s140389 |
| RP-64 | | RP-140820 | 3181 | - | Addition of Rel-7 NISPC testcase 11.3.2a to UTRAN testsuite | B | 11.2.0 | 11.3.0 | R5s140400 |
| RP-64 | | RP-140820 | 3182 | - | Correction to UTRA test case 8.2.2.35 | F | 11.2.0 | 11.3.0 | R5s140417 |
| RP-64 | | RP-140820 | 3183 | - | Correction in Rel-8 UTRA CSG test case 12.2.2.7e | F | 11.2.0 | 11.3.0 | R5s140418 |
| RP-64 | | RP-140820 | 3184 | - | Addition of WI-112 UL 16 QAM test case 8.3.4.12 to HSPA7\_ENH ATS | B | 11.2.0 | 11.3.0 | R5s140419 |
| RP-64 | | RP-140820 | 3185 | - | Correction to Rel-6 WI-025 HSUPA testcase 7.1.6.3.2 | F | 11.2.0 | 11.3.0 | R5s140437 |
| RP-64 | | RP-140820 | 3186 | - | Correction to Rel-9 DB-DC-HSDPA testcases. | F | 11.2.0 | 11.3.0 | R5s140438 |
| RP-64 | | RP-140820 | 3187 | - | Correction to of Rel-8 CSG testcase 6.3.2.3. | F | 11.2.0 | 11.3.0 | R5s140439 |
| RP-64 | | RP-140819 | 3188 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 11.2.0 | 11.3.0 | RP-140819 |
| RP-65 | | RP-141567 | 3189 | - | Correction to TSO o\_P\_CheckClassmark3 | F | 11.3.0 | 11.4.0 | R5-144732 |
| RP-65 | | RP-141570 | 3190 | - | Routine maintenance and updates | F | 11.3.0 | 11.4.0 | R5-144746 |
| RP-65 | | RP-141573 | 3191 | - | Routine maintenance and updates for LCR TDD | F | 11.3.0 | 11.4.0 | R5-144761 |
| RP-65 | | RP-141578 | 3228 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 11.3.0 | 11.4.0 | - |
| RP-65 | | RP-141579 | 3192 | - | Correction to GCF WI-010 UTRA GMM Testcases 12.6.1.3.1, 12.6.1.3.2, 12.6.1.3.3. | F | 11.3.0 | 11.4.0 | R5s140269 |
| RP-65 | | RP-141579 | 3193 | - | Addition of Rel-7 NISPC testcase 11.1.5.1 to UTRAN testsuite | B | 11.3.0 | 11.4.0 | R5s140387 |
| RP-65 | | RP-141579 | 3194 | - | Addition of WI-161 DC-HSU test case 14.7.3b to HSPA9\_ENH ATS | B | 11.3.0 | 11.4.0 | R5s140415 |
| RP-65 | | RP-141579 | 3195 | - | Addition of Rel-9 CSG test case 6.3.4.2 to HSPA9\_ENH ATS | B | 11.3.0 | 11.4.0 | R5s140445 |
| RP-65 | | RP-141579 | 3196 | - | Correction to UTRA NAS test case 12.9.13 | F | 11.3.0 | 11.4.0 | R5s140454 |
| RP-65 | | RP-141579 | 3197 | - | Addition of Rel-8 CSG testcase 6.3.1.1 to HSPA8\_ENH ATS | B | 11.3.0 | 11.4.0 | R5s140486 |
| RP-65 | | RP-141579 | 3198 | - | Addition of Rel-9 CSG test case 6.3.1.3 to HSPA9\_ENH ATS | B | 11.3.0 | 11.4.0 | R5s140494 |
| RP-65 | | RP-141579 | 3199 | - | Correction to UTRA Device Audit test case 8.1.5.7 (TTCN-3) | F | 11.3.0 | 11.4.0 | R5s140502 |
| RP-65 | | RP-141579 | 3200 | - | Correction to UTRA RRC test case 8.3.1.40 | F | 11.3.0 | 11.4.0 | R5s140510 |
| RP-65 | | RP-141579 | 3201 | - | Correction to Rel-7 WI-070 CPC testcase 7.1.6.2.11 | F | 11.3.0 | 11.4.0 | R5s140511 |
| RP-65 | | RP-141579 | 3202 | - | Correction to UTRAN Inter RAT test cases TC 8.3.7.x | F | 11.3.0 | 11.4.0 | R5s140512 |
| RP-65 | | RP-141579 | 3203 | - | Correction to UTRAN HSD test cases 8.3.11.12 and 8.3.11.13 | F | 11.3.0 | 11.4.0 | R5s140516 |
| RP-65 | | RP-141579 | 3204 | - | Addition of Rel-8 CSG testcase 12.3.1.10 to HSPA8\_ENH ATS | B | 11.3.0 | 11.4.0 | R5s140517 |
| RP-65 | | RP-141579 | 3205 | - | Correction to Rel-99 WCDMA InterRAT testcases | F | 11.3.0 | 11.4.0 | R5s140519 |
| RP-65 | | RP-141579 | 3206 | - | Addition of WI-161 DC-HSU test case 8.3.4.20 to HSPA9\_ENH ATS | B | 11.3.0 | 11.4.0 | R5s140521 |
| RP-65 | | RP-141579 | 3207 | - | Correction to PICS pc\_GERANIuModeCapability data type | F | 11.3.0 | 11.4.0 | R5s140523 |
| RP-65 | | RP-141579 | 3208 | - | Correction in mnemonics for PICS pc\_GERAN\_IuMode\_Capability and pc\_FLO\_Iu\_Capability in UTRA TTCN-3 ATS | F | 11.3.0 | 11.4.0 | R5s140524 |
| RP-65 | | RP-141579 | 3209 | - | Correction to UTRA CSG test case 9.4.2.6 | F | 11.3.0 | 11.4.0 | R5s140525 |
| RP-65 | | RP-141579 | 3210 | - | Corrections to UTRAN34 common functions | F | 11.3.0 | 11.4.0 | R5s140532 |
| RP-65 | | RP-141579 | 3211 | - | Correction to Rel-7 NISPC testcases 11.1.5.1 and 11.3.2a | F | 11.3.0 | 11.4.0 | R5s140558 |
| RP-65 | | RP-141579 | 3212 | - | Information added in the Full EUTRAN capability check for UTRAN TTCN-3 test case 8.1.5.7 | F | 11.3.0 | 11.4.0 | R5s140566 |
| RP-65 | | RP-141579 | 3213 | - | Correction to UTRA TTCN-3 test case 8.1.5.7 for UE Power class checking | F | 11.3.0 | 11.4.0 | R5s140597 |
| RP-65 | | RP-141579 | 3214 | - | Addition of Rel-8 SS testcase 15.1.1 to SSNITZ testsuite | B | 11.3.0 | 11.4.0 | R5s140611 |
| RP-65 | | RP-141579 | 3215 | - | Addition of Rel-8 SS NITZ testcase 15.2.1 SSNITZ testsuite | B | 11.3.0 | 11.4.0 | R5s140613 |
| RP-65 | | RP-141579 | 3216 | - | Addition of Rel-8 SS NITZ testcase 15.2.2 to SSNITZ testsuite | B | 11.3.0 | 11.4.0 | R5s140615 |
| RP-65 | | RP-141579 | 3217 | - | Addition of WI-131 Rel-8 Enh. Cell FACH UL Test Case 7.1.8.1 to HSPA8\_ENH ATS | B | 11.3.0 | 11.4.0 | R5s140632 |
| RP-65 | | RP-141579 | 3218 | - | Correction to Rel-8 UTRA CSG testcases 9.4.2.6, 12.4.1.4e and 12.9.7d | F | 11.3.0 | 11.4.0 | R5s140634 |
| RP-65 | | RP-141579 | 3219 | - | Correction to Rel-8 UTRA CSG testcases 9.4.2.6 and 12.4.1.4e | F | 11.3.0 | 11.4.0 | R5s140637 |
| RP-65 | | RP-141579 | 3220 | - | Correction to of Rel-8 Fast dormancy testcase 8.1.9d | F | 11.3.0 | 11.4.0 | R5s140644 |
| RP-65 | | RP-141579 | 3221 | - | Correction to Rel-8 CSG testcases 6.3.1.2, 6.3.2.1, 6.3.2.2, 6.3.3.1 and 6.3.3.2 | F | 11.3.0 | 11.4.0 | R5s140654 |
| RP-65 | | RP-141579 | 3222 | - | Correction to Rel-8 and Rel-9 DC testcases | F | 11.3.0 | 11.4.0 | R5s140661 |
| RP-65 | | RP-141579 | 3223 | - | Correction to Rel-8 MAC-i/is test case 8.2.2.61 | F | 11.3.0 | 11.4.0 | R5s140662 |
| RP-65 | | RP-141579 | 3224 | - | Correction to Rel-8 MAC-i/is test case 14.7.3a | F | 11.3.0 | 11.4.0 | R5s140663 |
| RP-65 | | RP-141579 | 3225 | - | Correction to the applicability of Rel-8 Fast dormancy testcase 8.1.9d | F | 11.3.0 | 11.4.0 | R5s140666 |
| RP-65 | | RP-141579 | 3226 | - | Correction to of Rel-5 SM testcase 11.1.1.1a | F | 11.3.0 | 11.4.0 | R5s140667 |
| RP-65 | | RP-141579 | 3227 | - | Correction to GCF WI-161 Rel-9 DC-HSU TC 8.2.2.77 | F | 11.3.0 | 11.4.0 | R5s140669 |
| RP-66 | | RP-142072 | 3229 | - | Addition of HSDPA Multiflow Test Model |  | 11.4.0 | 11.5.0 | R5-145142 |
| RP-66 | | RP-142062 | 3230 | - | Addition of WI-130 MAC-IS/I test case 7.1.7.4 to HSPA8\_ENH ATS |  | 11.4.0 | 11.5.0 | R5s140655 |
| RP-66 | | RP-142062 | 3231 | - | Correction to of Rel-8 CSG testcase 12.3.1.10 |  | 11.4.0 | 11.5.0 | R5s140755 |
| RP-66 | | RP-142062 | 3232 | - | Correction to of Rel-8 CSG testcase 9.4.2.6 |  | 11.4.0 | 11.5.0 | R5s140756 |
| RP-66 | | RP-142062 | 3233 | - | Correction to Encoding Rule for importing module TCAP\_Definitions\_Para |  | 11.4.0 | 11.5.0 | R5s140770 |
| RP-66 | | RP-142062 | 3234 | - | Correction to UTRAN test case 9.4.5.3 |  | 11.4.0 | 11.5.0 | R5s140773 |
| RP-66 | | RP-142062 | 3235 | - | Addition of GCF WI-185 Rel10 3C HSDPA RAB test case 14.6.1j |  | 11.4.0 | 11.5.0 | R5s140782 |
| RP-66 | | RP-142062 | 3236 | - | Addition of GCF WI-185 Rel10 3C HSDPA RAB test case 14.6.1k |  | 11.4.0 | 11.5.0 | R5s140784 |
| RP-66 | | RP-142062 | 3237 | - | Addition of GCF WI-161 DC-HSU test case 8.2.2.78 to HSPA9\_ENH ATS |  | 11.4.0 | 11.5.0 | R5s140796 |
| RP-66 | | RP-142062 | 3238 | - | Correction in checking of Classmark3 message |  | 11.4.0 | 11.5.0 | R5s140820 |
| RP-66 | | RP-142062 | 3239 | - | Correction to GCF WI-161 DC-HSU test case 8.3.4.20 |  | 11.4.0 | 11.5.0 | R5s140844 |
| RP-66 | | RP-142062 | 3240 | - | Corrections to GCF WI-10/4 UTRA MM test cases 9.4.3.5 |  | 11.4.0 | 11.5.0 | R5s140859 |
| RP-66 | | RP-142062 | 3241 | - | Correction to RAB test cases 14\_7\_xx |  | 11.4.0 | 11.5.0 | R5s140877 |
| RP-66 | | RP-142062 | 3242 | - | Corrections to UTRA test cases 9.4.4 |  | 11.4.0 | 11.5.0 | R5s140879 |
| RP-66 | | RP-142062 | 3243 | - | Corrections in UTRAN TTCN-2 wk36 IWD |  | 11.4.0 | 11.5.0 | R5s140881 |
| RP-66 | | RP-142062 | 3244 | - | Addidtion of Rel-8 UTRA SS testcase 15.10.1 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s140882 |
| RP-66 | | RP-142062 | 3245 | - | Addidtion of Rel-8 UTRA SS testcase 15.10.2 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s140884 |
| RP-66 | | RP-142062 | 3246 | - | Addidtion of Rel-8 UTRA SS testcase 15.10.3 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s140886 |
| RP-66 | | RP-142062 | 3247 | - | Addidtion of Rel-8 UTRA SS testcase 15.10.4 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s140888 |
| RP-66 | | RP-142062 | 3248 | - | Addidtion of Rel-8 UTRA SS testcase 15.10.5 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s140890 |
| RP-66 | | RP-142062 | 3249 | - | Correction to of Rel-8 CSG testcase 6.3.3.2 |  | 11.4.0 | 11.5.0 | R5s140895 |
| RP-66 | | RP-142062 | 3250 | - | Correction to of Rel-8 CSG testcase 12.9.7d |  | 11.4.0 | 11.5.0 | R5s140896 |
| RP-66 | | RP-142062 | 3251 | - | Correction to DC-HSU test case 14.7.3b |  | 11.4.0 | 11.5.0 | R5s140897 |
| RP-66 | | RP-142062 | 3252 | - | Correction to UTRAN34 System information functions |  | 11.4.0 | 11.5.0 | R5s140911 |
| RP-66 | | RP-142062 | 3253 | - | Corrections in UTRAN TTCN-3 wk37 IWD |  | 11.4.0 | 11.5.0 | R5s140912 |
| RP-66 | | RP-142062 | 3254 | - | Correction to GCF WI-130 MAC-IS/I TC 7.1.7.4 |  | 11.4.0 | 11.5.0 | R5s140967 |
| RP-66 | | RP-142062 | 3255 | - | Correction to GCF WI-112 UL 16 QAM TC 7.1.6.3.2a |  | 11.4.0 | 11.5.0 | R5s140969 |
| RP-66 | | RP-142062 | 3256 | - | Correction to GCF WI-112 UL 16 QAM TC 8.3.4.12 |  | 11.4.0 | 11.5.0 | R5s140970 |
| RP-66 | | RP-142062 | 3257 | - | Correction to FACILITY MessageType |  | 11.4.0 | 11.5.0 | R5s140989 |
| RP-66 | | RP-142062 | 3258 | - | Addidtion of Rel-8 UTRA SS testcase 15.3.1 to SS NITZ testsuite |  | 11.4.0 | 11.5.0 | R5s140990 |
| RP-66 | | RP-142062 | 3259 | - | Addidtion of Rel-8 UTRA SS testcase 15.3.2 to SS NITZ testsuite |  | 11.4.0 | 11.5.0 | R5s140992 |
| RP-66 | | RP-142062 | 3260 | - | Correction to SS\_Definitions\_Arguments.asn |  | 11.4.0 | 11.5.0 | R5s140994 |
| RP-66 | | RP-142062 | 3261 | - | Correction of GCF WI-130 Improved L2 for UL test case 8.2.2.61 |  | 11.4.0 | 11.5.0 | R5s141012 |
| RP-66 | | RP-142062 | 3262 | - | Correction of GCF WI-130 Improved L2 for UL test cases 7.1.7.1 and 7.1.7.3 |  | 11.4.0 | 11.5.0 | R5s141013 |
| RP-66 | | RP-142062 | 3263 | - | Correction of GCF WI-129 DC-HSDPA test cases 14.6.1f, 14.6.1g, 14.6.6e, 14.6.6f |  | 11.4.0 | 11.5.0 | R5s141017 |
| RP-66 | | RP-142062 | 3264 | - | Correction to GCF WI-158 Rel-8 CSG testcases 6.3.2.1, 6.3.2.2 |  | 11.4.0 | 11.5.0 | R5s141042 |
| RP-66 | | RP-142062 | 3265 | - | Correction to Rel-8 CSG testcase 12.4.1.4e |  | 11.4.0 | 11.5.0 | R5s141059 |
| RP-66 | | RP-142062 | 3266 | - | Addidtion of Rel-8 UTRA SS testcase 15.5.1 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141065 |
| RP-66 | | RP-142062 | 3267 | - | Addidtion of Rel-8 UTRA SS testcase 15.5.3 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141067 |
| RP-66 | | RP-142062 | 3268 | - | Addidtion of Rel-8 UTRA SS testcase 15.5.4 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141069 |
| RP-66 | | RP-142062 | 3269 | - | Addidtion of Rel-8 UTRA SS testcase 15.5.6 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141071 |
| RP-66 | | RP-142062 | 3270 | - | Addition of Rel-8 UTRA SS testcase 15.6.1 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141073 |
| RP-66 | | RP-142062 | 3271 | - | Addition of Rel-8 UTRA SS testcase 15.6.2 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141075 |
| RP-66 | | RP-142062 | 3272 | - | Addition of Rel-8 UTRA SS testcase 15.6.3 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141077 |
| RP-66 | | RP-142062 | 3273 | - | Addition of Rel-8 UTRA SS testcase 15.8.1 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141079 |
| RP-66 | | RP-142062 | 3274 | - | Addition of Rel-8 UTRA SS testcase 15.8.2 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141081 |
| RP-66 | | RP-142062 | 3275 | - | Addition of Rel-8 UTRA SS testcase 15.8.3 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141083 |
| RP-66 | | RP-142062 | 3276 | - | Addition of Rel-8 UTRA SS testcase 15.8.4 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141085 |
| RP-66 | | RP-142062 | 3277 | - | Addition of Rel-8 UTRA SS testcase 15.8.5 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141087 |
| RP-66 | | RP-142062 | 3278 | - | Addition of Rel-8 UTRA SS testcase 15.8.6 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141089 |
| RP-66 | | RP-142062 | 3279 | - | Addition of Rel-8 UTRA SS testcase 15.8.7 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141091 |
| RP-66 | | RP-142062 | 3280 | - | Addition of Rel-8 UTRA SS testcase 15.8.8 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141093 |
| RP-66 | | RP-142062 | 3281 | - | Addition of Rel-8 UTRA SS testcase 15.8.9 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141095 |
| RP-66 | | RP-142062 | 3282 | - | Addidtion of Rel-8 UTRA SS testcase 15.9.6 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141097 |
| RP-66 | | RP-142062 | 3283 | - | Correction to GCF WI-158 UTRA CSG testcases 6.3.2.3, 6.3.1.1,6.3.1.2, 6.3.2.1, 6.3.2.2, 6.3.3.2, 9.4.2.6, 12.2.1.5e, 12.2.2.7e, 12.4.1.4e, 12.4.2.5e,12.9.7d |  | 11.4.0 | 11.5.0 | R5s141117 |
| RP-66 | | RP-142062 | 3284 | - | Correction to GCF WI-158 UTRA CSG testcase 9.4.2.6 |  | 11.4.0 | 11.5.0 | R5s141118 |
| RP-66 | | RP-142062 | 3285 | - | Addidtion of Rel-8 UTRA SS testcase 15.5.2 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141120 |
| RP-66 | | RP-142062 | 3286 | - | Addidtion of Rel-8 UTRA SS testcase 15.5.5 to SSNITZ testsuite |  | 11.4.0 | 11.5.0 | R5s141122 |
| RP-66 | | RP-142062 | 3287 | - | Correction to GCF WI-158 UTRA CSG testcase 12.4.2.5e |  | 11.4.0 | 11.5.0 | R5s141129 |
| RP-66 | | RP-142062 | 3288 | - | Correction to SS testcases 15.2.1 and 15.2.2 |  | 11.4.0 | 11.5.0 | R5s141152 |
| RP-66 | | RP-142062 | 3289 | - | Correction to NISPC testcase 11.1.5.1 & 11.3.2a |  | 11.4.0 | 11.5.0 | R5s141153 |
| RP-66 | | RP-142062 | 3290 | - | Correction to UTRA TTCN-3 Signalling Connection Release Indication handling |  | 11.4.0 | 11.5.0 | R5s141188 |
| RP-66 | | RP-142062 | 3291 | - | Correction in SIB5Bis initialisation during SIB5Bis modification for HS-FACH test cases |  | 11.4.0 | 11.5.0 | R5s141202 |
| RP-66 | | RP-142062 | 3292 | - | Correction to HS8 CSG test case 12.9.7d |  | 11.4.0 | 11.5.0 | R5s141209 |
| RP-66 | | RP-142062 | 3293 | - | Correction in Rel-9 CSG test case 6.3.4.1 |  | 11.4.0 | 11.5.0 | R5s141210 |
| RP-66 | | RP-142061 | 3294 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A |  | 11.4.0 | 11.5.0 | RP-142061 |
| RP-67 | | RP-150322 | 3295 | - | Addition of TC 12.4.2.5e to the list of cases which requires more than two radio frequencies | F | 11.5.0 | 11.6.0 | R5-150098 |
| RP-67 | | RP-150339 | 3296 | - | HSDPA Multiflow Test Model for RLC test cases | F | 11.5.0 | 11.6.0 | R5-150124 |
| RP-67 | | RP-150338 | 3297 | - | Addition of Further Enhanced CELL\_FACH Test Model | F | 11.5.0 | 11.6.0 | R5-150125 |
| RP-67 | | RP-150320 | 3298 | - | Routine maintenance for TS 34.123-3 | F | 11.5.0 | 11.6.0 | R5-150728 |
| RP-67 | | RP-150330 | 3327 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 11.5.0 | 11.6.0 | - |
| RP-67 | | RP-150331 | 3299 | - | Corrections for WI-010 UTRA SMS test cases 16.1.2, 16.1.9.1, 16.1.9.2, 16.1.10, 16.2.2, 16.2.10 | F | 11.5.0 | 11.6.0 | R5s141119 |
| RP-67 | | RP-150331 | 3300 | - | Correction to TTCN implementation for test case 9.5.2 | F | 11.5.0 | 11.6.0 | R5s141242 |
| RP-67 | | RP-150331 | 3301 | - | Correction to GCF WI-140 NISPC test case 11.3.2a | F | 11.5.0 | 11.6.0 | R5s141290 |
| RP-67 | | RP-150331 | 3302 | - | Correction in Rel-7 Uplink 16 QAM test cases | F | 11.5.0 | 11.6.0 | R5s141328 |
| RP-67 | | RP-150331 | 3303 | - | Correction to UTRA SS Test Cases on IWD wk49 | F | 11.5.0 | 11.6.0 | R5s141348 |
| RP-67 | | RP-150331 | 3304 | - | Addidtion of Rel-10 NAS testcase 12.4.1.4f to UTRAN testsuite | B | 11.5.0 | 11.6.0 | R5s141355 |
| RP-67 | | RP-150331 | 3305 | - | Correction to Rel-8 CSG TCs 12.2.1.5e, 12.2.2.7e and 12.4.2.5e | F | 11.5.0 | 11.6.0 | R5s141357 |
| RP-67 | | RP-150331 | 3306 | - | Addition of WI-131 Rel-8 Enh. Cell FACH UL Test Case 7.1.8.7 to HSPA8\_ENH ATS | B | 11.5.0 | 11.6.0 | R5s141382 |
| RP-67 | | RP-150331 | 3307 | - | Addidtion of Rel-10 NAS testcase 9.4.3.3a to UTRAN testsuite | B | 11.5.0 | 11.6.0 | R5s141390 |
| RP-67 | | RP-150331 | 3308 | - | Correction to UTRAN Rel-7 test case 11.3.2a | F | 11.5.0 | 11.6.0 | R5s150002 |
| RP-67 | | RP-150331 | 3309 | - | Addidtion of Rel-7 NISPC testcase 11.1.5.2 to UTRAN testsuite | B | 11.5.0 | 11.6.0 | R5s150015 |
| RP-67 | | RP-150331 | 3310 | - | Correction to MAC-I/Is test case 7.1.7.3 | F | 11.5.0 | 11.6.0 | R5s150018 |
| RP-67 | | RP-150331 | 3311 | - | Addidtion of Rel-8 RRC testcase 8.3.1.52 to HSPA8\_ENH testsuite | B | 11.5.0 | 11.6.0 | R5s150020 |
| RP-67 | | RP-150331 | 3312 | - | Addidtion of Rel-8 RRC testcase 8.3.1.53 to HSPA8\_ENH testsuite | B | 11.5.0 | 11.6.0 | R5s150022 |
| RP-67 | | RP-150331 | 3313 | - | Addidtion of Rel-8 RRC testcase 8.3.1.54 to HSPA8\_ENH testsuite | B | 11.5.0 | 11.6.0 | R5s150024 |
| RP-67 | | RP-150331 | 3314 | - | Addition of WI-131 Rel-8 Enh. Cell FACH UL Test Case 8.2.1.42 to HSPA8\_ENH ATS | B | 11.5.0 | 11.6.0 | R5s150032 |
| RP-67 | | RP-150331 | 3315 | - | Correction to GCF WI-070 UTRA CPC Testcase 7.1.6.2.11 | F | 11.5.0 | 11.6.0 | R5s150040 |
| RP-67 | | RP-150331 | 3316 | - | General Corrections to all test suites for support of A5/4 and GEA4 | F | 11.5.0 | 11.6.0 | R5s150043 |
| RP-67 | | RP-150331 | 3317 | - | Addition of WI-187 Rel-9 A5/4 and UEA1/UIA1 test case 8.3.7.1c to HSPA9\_ENH ATS | B | 11.5.0 | 11.6.0 | R5s150044 |
| RP-67 | | RP-150331 | 3318 | - | Addition of WI-187 Rel-9 A5/4 and UEA2/UIA2 test case 8.3.7.1d to HSPA9\_ENH ATS | B | 11.5.0 | 11.6.0 | R5s150046 |
| RP-67 | | RP-150331 | 3319 | - | Addition of WI-188 Rel-9 GEA4 and UEA2/UIA2 test case 8.3.11.1c to HSPA9\_ENH ATS | B | 11.5.0 | 11.6.0 | R5s150050 |
| RP-67 | | RP-150331 | 3320 | - | Corrections to UTRA CSG test case 6.3.1.4 | F | 11.5.0 | 11.6.0 | R5s150052 |
| RP-67 | | RP-150331 | 3321 | - | Addition of WI-130 MAC-IS/I 7.1.7.5 to HSPA8\_ENH ATS | B | 11.5.0 | 11.6.0 | R5s150058 |
| RP-67 | | RP-150331 | 3322 | - | Correction to Attach Accept procedures for UTRAN34 testcases | F | 11.5.0 | 11.6.0 | R5s150083 |
| RP-67 | | RP-150331 | 3323 | - | Correction to Rel-8 Supplementary service test cases based on 14wk49 ATS | F | 11.5.0 | 11.6.0 | R5s150084 |
| RP-67 | | RP-150331 | 3324 | - | Corrections to GCF WI-158 UTRA CSG test case 12.3.1.10 | F | 11.5.0 | 11.6.0 | R5s150111 |
| RP-67 | | RP-150331 | 3325 | - | Corrections to the UTRA CSG test case 6.3.1.1 | F | 11.5.0 | 11.6.0 | R5s150112 |
| RP-67 | | RP-150331 | 3326 | - | Corrections to UTRA CSG test case 6.3.2.2 | F | 11.5.0 | 11.6.0 | R5s150117 |
| RP-68 | | RP-150881 | 3330 | 1 | [PTCO] Introduction of new PIXIT for optional execution of implicit R99 RAB test cases | F | 11.6.0 | 11.7.0 | R5-152067 |
| RP-68 | | RP-150891 | 3331 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 11.6.0 | 11.7.0 | - |
| RP-68 | | RP-150892 | 3332 | - | Corrections to handling of RGCH Configuration | F | 11.6.0 | 11.7.0 | R5s150154 |
| RP-68 | | RP-150892 | 3333 | - | Corrections to Rel-9 CSG testcase 6.3.1.4 | F | 11.6.0 | 11.7.0 | R5s150155 |
| RP-68 | | RP-150892 | 3334 | - | Corrections to Rel-9 testcases 8.2.2.74 and 8.2.2.75 | F | 11.6.0 | 11.7.0 | R5s150156 |
| RP-68 | | RP-150892 | 3335 | - | Correction of Rel-8 UTRA SS test cases 15.10.x in SS NITZ test suite | F | 11.6.0 | 11.7.0 | R5s150161 |
| RP-68 | | RP-150892 | 3336 | - | Correction to UTRA CSG test case 6.3.4.2 | F | 11.6.0 | 11.7.0 | R5s150196 |
| RP-68 | | RP-150892 | 3337 | - | Correction to UTRA TTCN-3 test case 8.1.5.7 | F | 11.6.0 | 11.7.0 | R5s150197 |
| RP-68 | | RP-150892 | 3338 | - | Correction in checking of Classmark3 message | F | 11.6.0 | 11.7.0 | R5s150203 |
| RP-68 | | RP-150892 | 3339 | - | Correction of Rel-8 Enh. Cell FACH UL Test Cases in D15wk09 HSPA8\_ENH ATS | B | 11.6.0 | 11.7.0 | R5s150208 |
| RP-68 | | RP-150892 | 3340 | - | Correction of Rel-8 UTRA SS test cases SS NITZ test suite | F | 11.6.0 | 11.7.0 | R5s150213 |
| RP-68 | | RP-150892 | 3341 | - | Corrections to iwd-TTCN2-B2012-03\_D15wk09 | F | 11.6.0 | 11.7.0 | R5s150218 |
| RP-68 | | RP-150892 | 3342 | - | Correction for UTRA SS/NITZ test cases 15.3.1, 15.3.2 | F | 11.6.0 | 11.7.0 | R5s150228 |
| RP-68 | | RP-150892 | 3343 | - | Corrections to Rel-8 Supplementary service test cases | F | 11.6.0 | 11.7.0 | R5s150240 |
| RP-68 | | RP-150892 | 3344 | - | Corrections to Rel-7 NISPC testacse 11.3.2a | F | 11.6.0 | 11.7.0 | R5s150241 |
| RP-68 | | RP-150892 | 3345 | - | Corrections to Rel-8 Absolute priority cell reselection testcases | F | 11.6.0 | 11.7.0 | R5s150243 |
| RP-68 | | RP-150892 | 3346 | - | Corrections to Rel-7 NISPC test case 11.1.5.2 | F | 11.6.0 | 11.7.0 | R5s150246 |
| RP-68 | | RP-150892 | 3347 | - | Corrections to Rel-10 NAS test case 9.4.3.3a | F | 11.6.0 | 11.7.0 | R5s150247 |
| RP-68 | | RP-150892 | 3348 | - | Corrections to UTRA CSG test case 6.3.1.4 | F | 11.6.0 | 11.7.0 | R5s150248 |
| RP-68 | | RP-150892 | 3349 | - | Corrections to Rel-9 CSG testcase 6.3.1.4 | F | 11.6.0 | 11.7.0 | R5s150250 |
| RP-68 | | RP-150892 | 3350 | - | Corrections to UTRA CSG test case 6.3.4.1 | F | 11.6.0 | 11.7.0 | R5s150264 |
| RP-68 | | RP-150892 | 3351 | - | Correction for UTRAN CSG test case 6.3.1.3. | F | 11.6.0 | 11.7.0 | R5s150265 |
| RP-68 | | RP-150892 | 3352 | - | Correction to selection expression for test case 7.1.6.2.5 | F | 11.6.0 | 11.7.0 | R5s150266 |
| RP-68 | | RP-150892 | 3353 | - | Correction to function f\_CheckUE\_SupportedEUTRA\_Bands\_Chunk() | F | 11.6.0 | 11.7.0 | R5s150275 |
| RP-68 | | RP-150892 | 3354 | - | Addidtion of Rel-7 NISPC testcase 11.2.1a to UTRAN testsuite | B | 11.6.0 | 11.7.0 | R5s150279 |
| RP-68 | | RP-150892 | 3355 | - | Addidtion of Rel-7 NISPC testcase 11.2.1b to UTRAN testsuite | B | 11.6.0 | 11.7.0 | R5s150281 |
| RP-68 | | RP-150892 | 3356 | - | Addidtion of Rel-7 NISPC testcase 11.9.1 to UTRAN testsuite | B | 11.6.0 | 11.7.0 | R5s150283 |
| RP-68 | | RP-150892 | 3357 | - | Corrections to GCF WI-140 Rel-7 NISPC testacse 11.3.2a | F | 11.6.0 | 11.7.0 | R5s150321 |
| RP-68 | | RP-150892 | 3359 | - | Corrections to HSD suite test case 8.3.11.9. | F | 11.6.0 | 11.7.0 | R5s150341 |
| RP-68 | | RP-150892 | 3360 | - | Corrections to GCF WI-158 UTRA CSG test case 6.3.1.3 | F | 11.6.0 | 11.7.0 | R5s150358 |
| RP-68 | | RP-150892 | 3361 | - | Corrections to Rel-7 Enhanced Cell FACH Downlink test case 14.5.3 | F | 11.6.0 | 11.7.0 | R5s150359 |
| RP-68 | | RP-150892 | 3362 | - | Corrections to Rel-7 CPC test cases to handle RGCH configuration | F | 11.6.0 | 11.7.0 | R5s150360 |
| RP-68 | | RP-150892 | 3363 | - | Corrections to Rel-8 CS Voice Over HSPA test cases to handle RGCH configuration | F | 11.6.0 | 11.7.0 | R5s150361 |
| RP-68 | | RP-150892 | 3364 | - | Correction to WI-101 Rel-7 testcase 8.3.11.1a | F | 11.6.0 | 11.7.0 | R5s150367 |
| RP-68 | | RP-150892 | 3365 | - | Corrections to NAS suite test case 12.6.1.3.2 | F | 11.6.0 | 11.7.0 | R5s150376 |
| RP-68 | | RP-150892 | 3366 | - | Correction to Rel-8 testcase 7.1.7.4 | F | 11.6.0 | 11.7.0 | R5s150379 |
| RP-68 | | RP-150892 | 3367 | - | Correction to Rel-9 DC-HSUPA RRC testcases. | F | 11.6.0 | 11.7.0 | R5s150380 |
| RP-68 | | RP-150892 | 3368 | - | Correction to the postamble of UTRA CSG test cases 6.3.1.1 | F | 11.6.0 | 11.7.0 | R5s150418 |
| RP-68 | | RP-150892 | 3369 | - | Correction to UTRA CSG test cases 12.2.1.5e and 12.2.2.7e | F | 11.6.0 | 11.7.0 | R5s150419 |
| RP-68 | | RP-150892 | 3370 | - | Correction to applicability of DC-HSDPA testcases. | F | 11.6.0 | 11.7.0 | R5s150428 |
| RP-68 | | RP-150892 | 3371 | - | Correction to UTRA TTCN-2 test case 11.1.1.1a | F | 11.6.0 | 11.7.0 | R5s150435 |
| RP-68 | | RP-150905 | 3329 | - | Band 32 - Guidance on UTRAN test execution | F | 11.7.0 | 12.0.0 | R5-151131 |
| RP-68 | | RP-150912 | 3328 | 1 | Routine maintenance for TS 34.123-3 | F | 11.7.0 | 12.0.0 | R5-152071 |
| RP-68 | | RP-150892 | 3358 | - | Rel-12 baseline upgrade for UTRAN TTCN-3 Test Suites | F | 11.7.0 | 12.0.0 | R5s150330 |
| RP-69 | | RP-151406 | 3372 | - | Routine maintenance for TS 34.123-3 | F | 12.0.0 | 12.1.0 | R5-153075 |
| RP-69 | | RP-151407 | 3373 | - | Routine maintenance for TS 34.123-3 TDD | F | 12.0.0 | 12.1.0 | R5-153141 |
| RP-69 | | RP-151414 | 3374 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 12.0.0 | 12.1.0 | - |
| RP-69 | | RP-151415 | 3381 | - | Correction to the contraint cr\_RadioAccessCapabilityAnyBand in IR\_G suite. | F | 12.0.0 | 12.1.0 | R5s150420 |
| RP-69 | | RP-151415 | 3382 | - | Correction to UTRA TTCN-3 test case 8.1.5.7 | F | 12.0.0 | 12.1.0 | R5s150421 |
| RP-69 | | RP-151415 | 3383 | - | Correction to UTRA SS TTCN-3 test case 15.1.1 | F | 12.0.0 | 12.1.0 | R5s150437 |
| RP-69 | | RP-151415 | 3384 | - | Correction to UTRA TTCN-2 test case 7.1.6.2.11 | F | 12.0.0 | 12.1.0 | R5s150530 |
| RP-69 | | RP-151415 | 3385 | - | Correction to UTRA NISPC testcases 11.2.1b , 11.9.1, 11.1.5.1 and 11.3.2a. | F | 12.0.0 | 12.1.0 | R5s150531 |
| RP-69 | | RP-151415 | 3386 | - | Correction to function f\_UTRAN\_CRLC\_ResumeSecurity | F | 12.0.0 | 12.1.0 | R5s150532 |
| RP-69 | | RP-151415 | 3387 | - | Correction to test case 8.1.5.7 | F | 12.0.0 | 12.1.0 | R5s150533 |
| RP-69 | | RP-151415 | 3388 | - | Addition of Rel-8 UTRA SS testcase 15.4.1 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150538 |
| RP-69 | | RP-151415 | 3389 | - | Addition of Rel-8 UTRA SS testcase 15.4.2 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150540 |
| RP-69 | | RP-151415 | 3390 | - | Addition of Rel-8 UTRA SS testcase 15.7.1 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150542 |
| RP-69 | | RP-151415 | 3391 | - | Addition of Rel-8 UTRA SS testcase 15.7.2 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150545 |
| RP-69 | | RP-151415 | 3392 | - | Addition of Rel-8 UTRA SS test case 15.7.3 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150546 |
| RP-69 | | RP-151415 | 3393 | - | Addition of Rel-8 UTRA SS testcase 15.7.4 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150548 |
| RP-69 | | RP-151415 | 3394 | - | Addition of Rel-8 UTRA SS test case 15.7.5 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150550 |
| RP-69 | | RP-151415 | 3395 | - | Addition of Rel-8 UTRA SS test case 15.7.6 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150552 |
| RP-69 | | RP-151415 | 3396 | - | Addition of Rel-8 UTRA SS testcase 15.7.7 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150554 |
| RP-69 | | RP-151415 | 3397 | - | Addition of Rel-8 UTRA SS testcase 15.7.8 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150556 |
| RP-69 | | RP-151415 | 3398 | - | Addition of Rel-8 UTRA SS testcase 15.7.9 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150559 |
| RP-69 | | RP-151415 | 3399 | - | Addition of Rel-8 UTRA SS testcase 15.7.10 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150560 |
| RP-69 | | RP-151415 | 3400 | - | Addition of Rel-8 UTRA SS testcase 15.7.11 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150562 |
| RP-69 | | RP-151415 | 3401 | - | Addition of Rel-8 UTRA SS test case 15.7.12 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150564 |
| RP-69 | | RP-151415 | 3402 | - | Addition of Rel-8 UTRA SS test case 15.7.13 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150566 |
| RP-69 | | RP-151415 | 3403 | - | Addition of Rel-8 UTRA SS testcase 15.7.14 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150568 |
| RP-69 | | RP-151415 | 3404 | - | Addition of Rel-8 UTRA SS testcase 15.7.15 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150570 |
| RP-69 | | RP-151415 | 3405 | - | Addition of Rel-8 UTRA SS testcase 15.7.16 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150572 |
| RP-69 | | RP-151415 | 3406 | - | Addition of Rel-8 UTRA SS test case 15.7.17 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150574 |
| RP-69 | | RP-151415 | 3407 | - | Addition of Rel-8 UTRA SS testcase 15.7.21 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150576 |
| RP-69 | | RP-151415 | 3408 | - | Addition of Rel-8 UTRA SS testcase 15.7.22 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150578 |
| RP-69 | | RP-151415 | 3409 | - | Addition of Rel-8 UTRA SS test case 15.7.23 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150580 |
| RP-69 | | RP-151415 | 3410 | - | Addition of Rel-8 UTRA SS testcase 15.7.24 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150582 |
| RP-69 | | RP-151415 | 3411 | - | Addition of Rel-8 UTRA SS testcase 15.7.25 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150584 |
| RP-69 | | RP-151415 | 3412 | - | Addition of Rel-8 UTRA SS test case 15.7.26 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150586 |
| RP-69 | | RP-151415 | 3413 | - | Addition of Rel-8 UTRA SS testcase 15.4.3 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150591 |
| RP-69 | | RP-151415 | 3414 | - | Addition of Rel-8 UTRA SS testcase 15.5.7 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150593 |
| RP-69 | | RP-151415 | 3415 | - | Addition of Rel-8 UTRA SS test case 15.5.8 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150595 |
| RP-69 | | RP-151415 | 3416 | - | Addition of Rel-8 UTRA SS test case 15.7.18 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150597 |
| RP-69 | | RP-151415 | 3417 | - | Addition of Rel-8 UTRA SS test case 15.7.19 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150599 |
| RP-69 | | RP-151415 | 3418 | - | Addition of Rel-8 UTRA SS testcase 15.7.20 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150601 |
| RP-69 | | RP-151415 | 3419 | - | Addition of Rel-8 UTRA SS testcase 15.9.1 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150603 |
| RP-69 | | RP-151415 | 3420 | - | Addition of Rel-8 UTRA SS testcase 15.9.2 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150605 |
| RP-69 | | RP-151415 | 3421 | - | Addition of Rel-8 UTRA SS test case 15.9.3 to SSNITZ test suite | F | 12.0.0 | 12.1.0 | R5s150607 |
| RP-69 | | RP-151415 | 3422 | - | Addition of Rel-8 UTRA SS testcase 15.9.4 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150609 |
| RP-69 | | RP-151415 | 3423 | - | Addition of Rel-8 UTRA SS testcase 15.7.27 to SSNITZ testsuite | F | 12.0.0 | 12.1.0 | R5s150621 |
| RP-69 | | RP-151415 | 3424 | - | Addidtion of Rel-8 Absolute priority cell reselection testcase 6.1.2.12 to HSPA8\_ENH testsuite | F | 12.0.0 | 12.1.0 | R5s150628 |
| RP-69 | | RP-151415 | 3425 | - | Correction to UTRA TTCN-3 test case 8.1.5.7 | F | 12.0.0 | 12.1.0 | R5s150631 |
| RP-69 | | RP-151415 | 3426 | - | Addidtion of Rel-10 NIMTC testcase 9.4.5.5 to UTRAN testsuite | F | 12.0.0 | 12.1.0 | R5s150676 |
| RP-69 | | RP-151415 | 3427 | - | Addidtion of Rel-10 NIMTC testcase 11.1.3.4 to UTRAN testsuite | F | 12.0.0 | 12.1.0 | R5s150678 |
| RP-69 | | RP-151415 | 3428 | - | Addidtion of Rel-10 NIMTC testcase 12.2.1.1a to UTRAN testsuite | F | 12.0.0 | 12.1.0 | R5s150680 |
| RP-69 | | RP-151415 | 3429 | - | Updates to UTRAN RAB Functions | F | 12.0.0 | 12.1.0 | R5s150684 |
| RP-69 | | RP-151415 | 3430 | - | Correction to Rel-99 NAS testcase 12.6.1.3.2 | F | 12.0.0 | 12.1.0 | R5s150717 |
| RP-69 | | RP-151415 | 3431 | - | Correction to Rel-8 testcase 8.1.1.19 | F | 12.0.0 | 12.1.0 | R5s150718 |
| RP-69 | | RP-151415 | 3432 | - | Correction to UTRA TTCN-2 test case 9.4.5.3 | F | 12.0.0 | 12.1.0 | R5s150735 |
| RP-69 | | RP-151415 | 3433 | - | Correction to UTRA CSG test cases 12.2.1.5e and 12.2.2.7e | F | 12.0.0 | 12.1.0 | R5s150773 |
| RP-69 | | RP-151415 | 3434 | - | Correction to UTRA SS NITZ test case 15.9.2 | F | 12.0.0 | 12.1.0 | R5s150780 |
| RP-69 | | RP-151415 | 3435 | - | Correction to test step +ts\_CheckR9\_Capabilities | F | 12.0.0 | 12.1.0 | R5s150781 |
| RP-69 | | - | - | - | update of the "non-specific references" in section 2 according to the approved R5-153582 and an action point on ETSI MCC | - | 12.0.0 | 12.1.0 | - |
| RP-70 | | RP-151701 | 3437 | - | 3GPP / WLAN Radio Interworking: Introduction of Test Model | F | 12.1.0 | 12.2.0 | R5-155056 |
| RP-70 | | RP-151702 | 3438 | - | DCH Enhancements: Introduction of Test Model | F | 12.1.0 | 12.2.0 | R5-155059 |
| RP-70 | | RP-151682 | 3439 | - | Routine maintenance for TS 34.123-3 | F | 12.1.0 | 12.2.0 | R5-155501 |
| RP-70 | | RP-151691 | 3440 | - | Addition of Rel-8 UTRA SS testcase 9.4.10 to SSNITZ testsuite | F | 12.1.0 | 12.2.0 | R5s150611 |
| RP-70 | | RP-151691 | 3441 | - | Addition of Rel-8 UTRA SS testcase 12.2.1.13 to SSNITZ testsuite | F | 12.1.0 | 12.2.0 | R5s150613 |
| RP-70 | | RP-151691 | 3442 | - | Addition of Rel-8 UTRA SS testcase 12.2.1.14 to SSNITZ testsuite | F | 12.1.0 | 12.2.0 | R5s150615 |
| RP-70 | | RP-151691 | 3443 | - | Addition of Rel-8 UTRA SS test case 12.2.1.15 to SSNITZ testsuite | F | 12.1.0 | 12.2.0 | R5s150617 |
| RP-70 | | RP-151691 | 3444 | - | Addidtion of Rel-10 NIMTC testcase 9.4.3.7 to UTRAN testsuite | F | 12.1.0 | 12.2.0 | R5s150674 |
| RP-70 | | RP-151691 | 3445 | - | Addidtion of Rel-10 NIMTC testcase 12.4.3.2a to UTRAN testsuite | F | 12.1.0 | 12.2.0 | R5s150682 |
| RP-70 | | RP-151691 | 3446 | - | Correction to Rel-8 testcase 8.3.4.16 | F | 12.1.0 | 12.2.0 | R5s150716 |
| RP-70 | | RP-151691 | 3447 | - | Correction to Rel-7 NISPC testcase 11.9.1 | F | 12.1.0 | 12.2.0 | R5s150795 |
| RP-70 | | RP-151691 | 3448 | - | Addition of GCF WI-161 DC-HSU test case 7.1.9.2 to HSPA9\_ENH ATS | F | 12.1.0 | 12.2.0 | R5s150825 |
| RP-70 | | RP-151691 | 3449 | - | Addidtion of Rel-10 NIMTC testcase 9.4.5.4.7 to UTRAN testsuite | F | 12.1.0 | 12.2.0 | R5s150829 |
| RP-70 | | RP-151691 | 3450 | - | Addidtion of Rel-10 NIMTC testcase 12.2.2.3a to UTRAN testsuite | F | 12.1.0 | 12.2.0 | R5s150830 |
| RP-70 | | RP-151691 | 3451 | - | Addidtion of Rel-8 MAC-i/is testcase 7.2.2.15 to HSPA8\_ENH testsuite | F | 12.1.0 | 12.2.0 | R5s150878 |
| RP-70 | | RP-151691 | 3452 | - | Addidtion of Rel-8 MAC-i/is testcase 7.2.3.38 to HSPA8\_ENH testsuite | F | 12.1.0 | 12.2.0 | R5s150880 |
| RP-70 | | RP-151691 | 3453 | - | Addition of Rel-8 UTRA SS testcase 15.4.4 to SSNITZ testsuite | F | 12.1.0 | 12.2.0 | R5s150889 |
| RP-70 | | RP-151691 | 3454 | - | Addition of Rel-8 UTRA SS testcase 15.4.6 to SSNITZ testsuite | F | 12.1.0 | 12.2.0 | R5s150891 |
| RP-70 | | RP-151691 | 3455 | - | Correction to Rel-8 SS testcase 15.8.5 | F | 12.1.0 | 12.2.0 | R5s150893 |
| RP-70 | | RP-151691 | 3456 | - | Correction to UTRA NIMTC testcase 9.4.5.5 | F | 12.1.0 | 12.2.0 | R5s150894 |
| RP-70 | | RP-151691 | 3457 | - | Correction to Rel-8 SS test cases 9.4.10, 12.2.1.13, 12.2.1.14, 12.2.1.15 | F | 12.1.0 | 12.2.0 | R5s150895 |
| RP-70 | | RP-151691 | 3458 | - | Correction to Rel-8 SS testcase 12.2.1.15 | F | 12.1.0 | 12.2.0 | R5s150896 |
| RP-70 | | RP-151691 | 3459 | - | Correction to Rel-8 SS testcase 15.7.25 | F | 12.1.0 | 12.2.0 | R5s150897 |
| RP-70 | | RP-151691 | 3460 | - | Correction to Rel-8 SS testcase 15.7.x and 15.10.x | F | 12.1.0 | 12.2.0 | R5s150898 |
| RP-70 | | RP-151691 | 3461 | - | Correction to ETWS testcase 8.1.1.19 | F | 12.1.0 | 12.2.0 | R5s150949 |
| RP-70 | | RP-151691 | 3462 | - | Correction to Rel-10 NIMTC testcase 11.1.3.4 | F | 12.1.0 | 12.2.0 | R5s150950 |
| RP-70 | | RP-151691 | 3463 | - | Correction to Rel-10 NAS testcase 12.4.1.4f | F | 12.1.0 | 12.2.0 | R5s150951 |
| RP-70 | | RP-151691 | 3464 | - | Correction to CSG testcases | F | 12.1.0 | 12.2.0 | R5s150952 |
| RP-70 | | RP-151691 | 3465 | - | Correction to Rel-9 CSG testcases 6.3.1.4 | F | 12.1.0 | 12.2.0 | R5s150953 |
| RP-70 | | RP-151691 | 3466 | - | Addition of GCF WI-161 DC-HSU test case 7.1.9.5 to HSPA9\_ENH ATS | F | 12.1.0 | 12.2.0 | R5s150958 |
| RP-70 | | RP-151690 | 3467 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 12.1.0 | 12.2.0 | - |
| RP-71 | | RP-160114 | 3472 | 1 | Routine maintenance for TS 34.123-3 | F | 12.2.0 | 12.3.0 | R5-160942 |
| RP-71 | | RP-160121 | 3468 |  | Addition of Rel-8 UTRA SS testcase 15.3.4 to SSNITZ testsuite | F | 12.2.0 | 12.3.0 | [R5s160018](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160018.zip) |
| RP-71 | | RP-160121 | 3471 | - | Addidtion of UTRAN MDT testcase 8.6.2.1 to UTRAN testsuite | F | 12.2.0 | 12.3.0 | [R5s160060](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160060.zip) |
| RP-71 | | RP-160121 | 3473 | - | Correction to Rel-10 NIMTC testcase 12.2.2.3a | F | 12.2.0 | 12.3.0 | [R5s160122](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160122.zip) |
| RP-71 | | RP-160121 | 3476 | - | Correction to Supplementary Service test case 15.4.3 | F | 12.2.0 | 12.3.0 | [R5s160130](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160130.zip) |
| RP-71 | | RP-160121 | 3477 | - | Correction to UTRA TTCN-2 test case 8.1.9e | F | 12.2.0 | 12.3.0 | [R5s160139](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160139.zip) |
| RP-71 | | RP-160121 | 3478 | - | Correction to UTRA TTCN-3 SS-NITZ test case 15.3.4 | F | 12.2.0 | 12.3.0 | [R5s160143](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160143.zip) |
| RP-71 | | RP-160121 | 3479 | - | Correction to functions f\_UTRAN34\_CallA\_B\_Held\_A\_C\_Delivered and f\_UTRAN34\_CallA\_B\_Held\_A\_C\_Active | F | 12.2.0 | 12.3.0 | [R5s160148](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160148.zip) |
| RP-71 | | RP-160121 | 3480 | - | Correction to Supplementary Service test case 15.8.5 | F | 12.2.0 | 12.3.0 | [R5s160149](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160149.zip) |
| RP-71 | | RP-160121 | 3483 | - | Corrections to handling of LAU Request and RAU Request. | F | 12.2.0 | 12.3.0 | [R5s160153](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160153.zip) |
| RP-71 | | RP-160121 | 3485 | - | Correction to UTRA TTCN-3 test case 8.1.5.7 | F | 12.2.0 | 12.3.0 | R5s150980 |
| RP-71 | | RP-160121 | 3486 | - | Correction to SSNITZ TTCN-3 constraint cr\_SS\_ForBS\_Code | F | 12.2.0 | 12.3.0 | R5s150981 |
| RP-71 | | RP-160121 | 3487 | - | Addition of GCF WI-161 DC-HSU test case 7.1.9.1 to HSPA9\_ENH ATS | F | 12.2.0 | 12.3.0 | R5s151003 |
| RP-71 | | RP-160121 | 3488 | - | Correction to Rel-7 CPC test case 7.1.6.2.11 | F | 12.2.0 | 12.3.0 | R5s151005 |
| RP-71 | | RP-160121 | 3489 | - | Correction to Rel-9 DC-HSU test case 7.1.9.2 | F | 12.2.0 | 12.3.0 | R5s151024 |
| RP-71 | | RP-160121 | 3490 | - | Correction to Rel- 8 Absloute Priority Cell Reselection testcase 8.3.1.54 | F | 12.2.0 | 12.3.0 | R5s151025 |
| RP-71 | | RP-160121 | 3491 | - | Correction to Rel-9 DC-HSU test cases 8.2.2.76, 8.2.2.77 and 8.2.2.78 | F | 12.2.0 | 12.3.0 | R5s151026 |
| RP-71 | | RP-160121 | 3492 | - | Correction to Rel-7 Enhanced Cell-FACH test case 8.3.1.47 | F | 12.2.0 | 12.3.0 | R5s151027 |
| RP-71 | | RP-160121 | 3493 | - | Correction to Rel-7 NISPC testcases 11.1.5.2, 11.2.1a, 11.2.1b and 11.9.1 | F | 12.2.0 | 12.3.0 | R5s151028 |
| RP-71 | | RP-160121 | 3494 | - | Correction to Rel-99 NAS testcase 12.9.7b | F | 12.2.0 | 12.3.0 | R5s151029 |
| RP-71 | | RP-160121 | 3495 | - | Corrections to eCall Emergency Call Procedures | F | 12.2.0 | 12.3.0 | R5s151030 |
| RP-71 | | RP-160121 | 3496 | - | Correction to Rel-8 MAC-i/is test case 7.1.7.4 | F | 12.2.0 | 12.3.0 | R5s151031 |
| RP-71 | | RP-160120 | 3484 | - | CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 12.2.0 | 12.3.0 | [R5s160176](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160176.zip) |
| RP-72 | | RP-160851 | 3503 | - | Correction to Rel-10 NIMTC testcase 12.2.2.3a | F | 12.3.0 | 12.4.0 | [R5s160297](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160297.zip) |
| RP-72 | | RP-160851 | 3504 | - | Correction to SS NITZ test cases 15.9.1, 15.9.2 and 15.9.5 using AT+CUSD command. | F | 12.3.0 | 12.4.0 | [R5s160311](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160311.zip) |
| RP-72 | | RP-160851 | 3507 | - | Correction to UTRA TTCN-2 test case 8.1.9e | F | 12.3.0 | 12.4.0 | [R5s160357](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160357.zip) |
| RP-72 | | RP-160851 | 3508 | - | Correction to applicability condition C641 | F | 12.3.0 | 12.4.0 | [R5s160358](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160358.zip) |
| RP-72 | | RP-160851 | 3509 | - | Correction to testcase selection expression C380 | F | 12.3.0 | 12.4.0 | [R5s160377](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160377.zip) |
| RP-72 | | RP-160851 | 3510 | - | Correction to UTRAN MDT testcase 8.6.2.1 | F | 12.3.0 | 12.4.0 | [R5s160378](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160378.zip) |
| RP-72 | | RP-160851 | 3511 | - | Correction to UTRA SS-NITZ test cases 15.5.7 and 15.5.8 | F | 12.3.0 | 12.4.0 | [R5s160389](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160389.zip) |
| RP-72 | | RP-160851 | 3514 | - | Correction to CPC test case 7.1.6.2.11 | F | 12.3.0 | 12.4.0 | [R5s160433](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160433.zip) |
| RP-72 | | RP-160850 | 3515 | - | Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 12.3.0 | 12.4.0 | [R5s160456](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160456.zip) |
| RP-72 | | RP-160851 | 3474 | 1 | Correction to Supplementary Service test case 15.4.1 | F | 12.3.0 | 12.4.0 | [R5s160461](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160461.zip) |
| RP-72 | | RP-160851 | 3475 | 1 | Correction to Supplementary Service test case 15.4.2 | F | 12.3.0 | 12.4.0 | [R5s160462](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160462.zip) |
| RP-72 | | RP-160851 | 3481 | 1 | Correction to Supplementary Service test case 15.4.4 | F | 12.3.0 | 12.4.0 | [R5s160463](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160463.zip) |
| RP-72 | | RP-160851 | 3497 | 1 | Correction to Rel-10 NIMTC testcase 9.4.5.4.7 | F | 12.3.0 | 12.4.0 | [R5s160475](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160475.zip) |
| RP-72 | | RP-160851 | 3499 | 1 | Addition of Rel-8 UTRA SS testcase 15.4.5 to SSNITZ testsuite | F | 12.3.0 | 12.4.0 | [R5s160478](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160478.zip) |
| RP-72 | | RP-160851 | 3500 | 1 | Correction to test step ts\_AT\_CNMPSD | F | 12.3.0 | 12.4.0 | [R5s160511](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160511.zip) |
| RP-72 | | RP-160851 | 3501 | 1 | Correction to test step ts\_MM\_LupInitwIP | F | 12.3.0 | 12.4.0 | [R5s160512](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160512.zip) |
| RP-72 | | RP-160851 | 3502 | 1 | Addition of Rel-8 MAC-i/is testcase 7.2.3.37 to HSPA8\_ENH testsuite | F | 12.3.0 | 12.4.0 | [R5s160513](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160513.zip) |
| RP-73 | | RP-161425 | 3536 | - | Routine maintenance for TS 34.123-3 | F | 12.4.0 | 12.5.0 | R5-165258 |
| RP-73 | | RP-161432 | 3528 | - | Corrections Required for UTRA SS-NITZ test case 15.9.5 | F | 12.4.0 | 12.5.0 | [R5s160637](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160637.zip) |
| RP-73 | | RP-161432 | 3529 | - | Correction to Rel-9 DB-DC testcases 8.2.2.74 and 8.2.2.75 | F | 12.4.0 | 12.5.0 | [R5s160644](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160644.zip) |
| RP-73 | | RP-161432 | 3516 | 1 | Correction to Rel-9 DC-HSU testcases | F | 12.4.0 | 12.5.0 | [R5s160659](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160659.zip) |
| RP-73 | | RP-161432 | 3517 | 1 | Addition of Rel-8 UTRA SS testcase 15.3.3 to SSNITZ testsuite | F | 12.4.0 | 12.5.0 | [R5s160660](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160660.zip) |
| RP-73 | | RP-161432 | 3519 | 1 | Addition of Rel-8 UTRA SS testcase 15.4.7 to SSNITZ testsuite | F | 12.4.0 | 12.5.0 | [R5s160661](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160661.zip) |
| RP-73 | | RP-161432 | 3520 | 1 | Addition of Rel-8 UTRA SS testcase 15.4.8 to SSNITZ testsuite | F | 12.4.0 | 12.5.0 | [R5s160662](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160662.zip) |
| RP-73 | | RP-161432 | 3530 | - | Addition of GCF WI-131 Enhanced FACH UL test case 14.7.11 to HSPA8\_ENH ATS | F | 12.4.0 | 12.5.0 | [R5s160676](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160676.zip) |
| RP-73 | | RP-161432 | 3531 | - | Correction to NAS testcase 12.2.1.1 | F | 12.4.0 | 12.5.0 | [R5s160678](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160678.zip) |
| RP-73 | | RP-161432 | 3532 | - | Correction to test case 8.1.5.7 | F | 12.4.0 | 12.5.0 | [R5s160679](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160679.zip) |
| RP-73 | | RP-161432 | 3537 | - | Addidtion of 3G SIMTC testcase 12.2.2.3c to UTRAN testsuite | F | 12.4.0 | 12.5.0 | [R5s160722](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160722.zip) |
| RP-73 | | RP-161432 | 3538 | - | Addidtion of 3G SIMTC testcase 12.4.2.3b to UTRAN testsuite | F | 12.4.0 | 12.5.0 | [R5s160724](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160724.zip) |
| RP-73 | | RP-161432 | 3540 | - | Correction to Rel-10 3G MDT test case 8.6.2.3 | F | 12.4.0 | 12.5.0 | [R5s160729](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160729.zip) |
| RP-73 | | RP-161432 | 3513 | 1 | Addidtion of UTRAN MDT testcase 8.6.2.3 to UTRAN testsuite | F | 12.4.0 | 12.5.0 | [R5s160761](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160761.zip) |
| RP-73 | | RP-161432 | 3521 | 1 | Addition of Rel-8 UTRA SS testcase 15.9.5 to SSNITZ testsuite | F | 12.4.0 | 12.5.0 | [R5s160774](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160774.zip) |
| RP-73 | | RP-161432 | 3523 | 1 | Correction to Rel-9 DB-DC testcases 8.2.2.74 and 8.2.2.75 | F | 12.4.0 | 12.5.0 | [R5s160788](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160788.zip) |
| RP-73 | | RP-161432 | 3525 | 1 | Correction to Rel-6 HSUPA testcase 7.1.6.2.10 | F | 12.4.0 | 12.5.0 | [R5s160789](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160789.zip) |
| RP-73 | | RP-161432 | 3526 | 1 | Correction to Rel-8 Enhanced FACH UL testcases | F | 12.4.0 | 12.5.0 | [R5s160790](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160790.zip) |
| RP-73 | | RP-161432 | 3527 | 1 | Correction to Rel-8 CSVoice over HSPA testcases | F | 12.4.0 | 12.5.0 | [R5s160791](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160791.zip) |
| RP-73 | | RP-161431 | 3541 | - | Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 12.4.0 | 12.5.0 | [R5s160802](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160802.zip) |
| RP-73 | | RP-161432 | 3533 | - | Rel-13 baseline upgrade for UTRAN TTCN-3 Test Suites | F | 12.5.0 | 13.0.0 | R5s160712 |
| RP-74 | | RP-162107 | 3571 | - | Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 13.0.0 | 13.1.0 | R5s160954 |
| RP-74 | | RP-162108 | 3544 | - | Correction to SS test cases 15.9.1 & 15.9.2 | F | 13.0.0 | 13.1.0 | [R5s160835](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160835.zip) |
| RP-74 | | RP-162108 | 3545 | - | Correction to SS testcases 15.9.3, 15.9.4 & 15.9.6 | F | 13.0.0 | 13.1.0 | [R5s160836](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160836.zip) |
| RP-74 | | RP-162108 | 3546 | - | Correction to 15.7.x SS testcases | F | 13.0.0 | 13.1.0 | [R5s160837](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160837.zip) |
| RP-74 | | RP-162108 | 3547 | - | Correction to 15.8.x SS testcases | F | 13.0.0 | 13.1.0 | [R5s160838](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160838.zip) |
| RP-74 | | RP-162108 | 3548 | - | Correction to 15.4.x SS testcases | F | 13.0.0 | 13.1.0 | [R5s160839](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160839.zip) |
| RP-74 | | RP-162108 | 3550 | - | Correction to Rel-5 HSDPA testcase 8.3.1.34 | F | 13.0.0 | 13.1.0 | [R5s160859](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160859.zip) |
| RP-74 | | RP-162108 | 3551 | - | Correction to Rel-99 NAS testcase 12.3.2.8.1 | F | 13.0.0 | 13.1.0 | [R5s160860](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160860.zip) |
| RP-74 | | RP-162108 | 3552 | - | Correction of UTRA SS testcase 15.3.4 of SSNITZ testsuite | F | 13.0.0 | 13.1.0 | [R5s160861](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160861.zip) |
| RP-74 | | RP-162108 | 3553 | - | Correction to UTRAN MDT testcases 8.6.2.2. and 8.6.2.3 | F | 13.0.0 | 13.1.0 | [R5s160863](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160863.zip) |
| RP-74 | | RP-162108 | 3554 | - | Correction of Rel-8 UTRA SS testcase 15.1.1 | F | 13.0.0 | 13.1.0 | [R5s160864](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160864.zip) |
| RP-74 | | RP-162108 | 3555 | - | Correction of Rel-8 UTRA SS testcase 15.4.5 | F | 13.0.0 | 13.1.0 | [R5s160865](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160865.zip) |
| RP-74 | | RP-162108 | 3556 | - | Correction to f\_UT\_SupplementaryService\_CallForward | F | 13.0.0 | 13.1.0 | [R5s160867](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160867.zip) |
| RP-74 | | RP-162108 | 3557 | - | Correction to Supplementary Service test case 15.3.3 | F | 13.0.0 | 13.1.0 | [R5s160868](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160868.zip) |
| RP-74 | | RP-162108 | 3558 | - | Correction to Supplementary Service test case 15.3.4 | F | 13.0.0 | 13.1.0 | [R5s160869](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160869.zip) |
| RP-74 | | RP-162108 | 3559 | - | Correction of Rel-8 UTRA SS testcase 15.8.4 | F | 13.0.0 | 13.1.0 | [R5s160892](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160892.zip) |
| RP-74 | | RP-162108 | 3560 | - | Correction to Rel-9 DC-HSU testcases | F | 13.0.0 | 13.1.0 | [R5s160893](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160893.zip) |
| RP-74 | | RP-162108 | 3563 | - | Addition of 3G SIMTC testcase 12.4.1.1d to UTRAN testsuite | F | 13.0.0 | 13.1.0 | [R5s160910](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160910.zip) |
| RP-74 | | RP-162108 | 3539 | 1 | Addition of UTRAN MDT test case 8.6.2.2 to UTRAN test suite | F | 13.0.0 | 13.1.0 | [R5s160957](http://www.3gpp.org/ftp/tsg_ran/WG5_Test_ex-T1/TTCN/TTCN_CRs/2016/Docs/R5s160957.zip) |
| RP-75 | | RP-170095 | 3586 | - | Routine maintenance for TS 34.123-3 | F | 13.1.0 | 13.2.0 | R5-170553 |
| RP-75 | | RP-170101 | 3579 | - | Correction to Rel-8 testcase 6.1.2.12 | F | 13.1.0 | 13.2.0 | [R5s170047](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170047.zip) |
| RP-75 | | RP-170101 | 3581 | - | Correction to DC HSUPA TCs 7.1.9.1, 7.1.9.2 and 7.1.9.5 | F | 13.1.0 | 13.2.0 | [R5s170065](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170065.zip) |
| RP-75 | | RP-170101 | 3582 | - | Addition of Rel-11 GCF WI-208 Further Enhancements to UTRA CellFACH test case 8.3.1.1f to UTRAN testsuite | F | 13.1.0 | 13.2.0 | [R5s170071](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170071.zip) |
| RP-75 | | RP-170101 | 3583 | - | Correction to Rel-11 GCF WI-208 Further Enhancements to UTRA CellFACH test cases 8.3.1.1d and 8.3.1.1e | F | 13.1.0 | 13.2.0 | [R5s170073](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170073.zip) |
| RP-75 | | RP-170101 | 3584 | - | Correction to SS testcase 15.4.4 | F | 13.1.0 | 13.2.0 | [R5s170076](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170076.zip) |
| RP-75 | | RP-170101 | 3585 | - | Correction to SS testcase 15.5.8 | F | 13.1.0 | 13.2.0 | [R5s170077](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170077.zip) |
| RP-75 | | RP-170101 | 3561 | 1 | Correction to Rel-8 E-RACH testcases | F | 13.1.0 | 13.2.0 | [R5s170106](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170106.zip) |
| RP-75 | | RP-170101 | 3564 | 1 | Correction to UTRAN Supplementary Service test case 15.4.5 | F | 13.1.0 | 13.2.0 | [R5s170110](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170110.zip) |
| RP-75 | | RP-170101 | 3565 | 1 | Correction to Rel-8 MAC-i/is test cases 7.2.2.15 | F | 13.1.0 | 13.2.0 | [R5s170113](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170113.zip) |
| RP-75 | | RP-170101 | 3566 | 1 | Correction to Rel-8 MAC-i/is test cases 7.2.3.38 | F | 13.1.0 | 13.2.0 | [R5s170114](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170114.zip) |
| RP-75 | | RP-170101 | 3567 | 1 | Correction to Rel-9 DB-DC-HSDPA RRC testcases | F | 13.1.0 | 13.2.0 | [R5s170115](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170115.zip) |
| RP-75 | | RP-170101 | 3568 | 1 | Correction to constraint cr\_SetupMO | F | 13.1.0 | 13.2.0 | [R5s170116](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170116.zip) |
| RP-75 | | RP-170101 | 3569 | 1 | Addition of Rel-11 GCF WI-208 Further Enhancements to UTRA CellFACH test case 8.3.1.1d to UTRAN testsuite | F | 13.1.0 | 13.2.0 | [R5s170117](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170117.zip) |
| RP-75 | | RP-170101 | 3570 | 1 | Addition of Rel-11 GCF WI-208 Further Enhancements to UTRA CellFACH test case 8.3.1.1e to UTRAN test suite | F | 13.1.0 | 13.2.0 | [R5s170118](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170118.zip) |
| RP-75 | | RP-170101 | 3572 | 1 | Correction to CNAP and CCFC Dummy commands | F | 13.1.0 | 13.2.0 | [R5s170129](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170129.zip) |
| RP-75 | | RP-170101 | 3573 | 1 | Correction to Supplementary Service test cases 15.4.7 | F | 13.1.0 | 13.2.0 | [R5s170130](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170130.zip) |
| RP-75 | | RP-170101 | 3574 | 1 | Correction to Supplementary Service test case 15.4.8 | F | 13.1.0 | 13.2.0 | [R5s170131](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170131.zip) |
| RP-75 | | RP-170101 | 3575 | 1 | Addition of 3G SIMTC testcase 12.4.2.3c to UTRAN testsuite | F | 13.1.0 | 13.2.0 | [R5s170164](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170164.zip) |
| RP-75 | | RP-170101 | 3576 | 1 | Correction to applicability of UTRA SS test cases 15.9.x | F | 13.1.0 | 13.2.0 | [R5s170167](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170167.zip) |
| RP-75 | | RP-170101 | 3577 | 1 | Addition of 3G SIMTC testcase 11.1.1.3 to UTRAN testsuite | F | 13.1.0 | 13.2.0 | [R5s170169](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170169.zip) |
| RP-75 | | RP-170101 | 3578 | 1 | Addition of 3G SIMTC testcase 8.1.1.20 to UTRAN testsuite | F | 13.1.0 | 13.2.0 | [R5s170170](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170170.zip) |
| RP-75 | | RP-170100 | 3588 | - | Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 13.1.0 | 13.2.0 | [R5s170183](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170183.zip) |
| RP-76 | | RP-171361 | 3598 | - | Routine maintenance for TS 34.123-3 | F | 13.2.0 | 13.3.0 | R5-172047 |
| RP-76 | | RP-171369 | 3591 | - | Correction to NAS testcase for Release 12 UE | F | 13.2.0 | 13.3.0 | [R5s170262](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170262.zip) |
| RP-76 | | RP-171369 | 3593 | - | Correction to ETWS testcase 8.1.1.19 | F | 13.2.0 | 13.3.0 | [R5s170322](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170322.zip) |
| RP-76 | | RP-171369 | 3594 | - | Correction to Rel-8 E-RACH test cases | F | 13.2.0 | 13.3.0 | [R5s170323](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170323.zip) |
| RP-76 | | RP-171369 | 3595 | - | Correction to DC-HSU testcases | F | 13.2.0 | 13.3.0 | [R5s170324](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170324.zip) |
| RP-76 | | RP-171369 | 3596 | - | Correction to SS NITZ testcase 15.9.2 | F | 13.2.0 | 13.3.0 | [R5s170329](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170329.zip) |
| RP-76 | | RP-171369 | 3589 | 1 | Addition of 3G SIMTC testcase 12.2.1.16 to UTRAN testsuite | F | 13.2.0 | 13.3.0 | [R5s170387](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170387.zip) |
| RP-76 | | RP-171369 | 3590 | 1 | Addition of 3G SIMTC testcase 9.4.11 to UTRAN testsuite | F | 13.2.0 | 13.3.0 | [R5s170388](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170388.zip) |
| RP-76 | | RP-171368 | 3599 | - | Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 13.2.0 | 13.3.0 | [R5s170413](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170413.zip) |
| RP-77 | | RP-171687 | 3606 | 1 | Routine maintenance for TS 34.123-3 | F | 13.3.0 | 13.4.0 | R5-174639 |
| RP-77 | | RP-171694 | 3604 | - | Correction to Rel-7 CPC test case 7.1.6.2.11 | F | 13.3.0 | 13.4.0 | [R5s170558](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170558.zip) |
| RP-77 | | RP-171694 | 3600 | 1 | Correction to test step ts\_RRC\_NAS\_SessionActPS\_MO\_P9\_P10\_HSU\_r9 in HSPA\_R9 testsuite. | F | 13.3.0 | 13.4.0 | [R5s170628](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170628.zip) |
| RP-77 | | RP-171694 | 3601 | 1 | Correction to SS NITZ testcases 15.7.1, 15.7.2, 15.7.4, 15.7.5, 15.7.13 and 15.7.14 | F | 13.3.0 | 13.4.0 | [R5s170629](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170629.zip) |
| RP-77 | | RP-171694 | 3602 | 1 | Correction to f\_UTRAN\_CheckEUTRA\_IRAT() for UTRAN test cases | F | 13.3.0 | 13.4.0 | [R5s170640](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170640.zip) |
| RP-77 | | RP-171694 | 3603 | 1 | Correction for band support checking in UTRAN TTCN-3 Test Case 8.1.5.7 | F | 13.3.0 | 13.4.0 | [R5s170656](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170656.zip) |
| RP-77 | | RP-171694 | 3605 | - | Rel-14 baseline upgrade for UTRAN TTCN-3 Test Suites | F | 13.4.0 | 14.0.0 | R5s170598 |
| RP-78 | | RP-172233 | 3609 | - | Routine maintenance for TS 34.123-3 | F | 14.0.0 | 14.1.0 | R5-176156 |
| RP-78 | | RP-172243 | 3607 | 1 | Correction to UTRA HS8 test case 7.1.8.7 | F | 14.0.0 | 14.1.0 | [R5s170869](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170869.zip) |
| RP-78 | | RP-172243 | 3610 | - | Correction to Rel-11 SIMTC testcase 8.1.1.20 | F | 14.0.0 | 14.1.0 | [R5s170902](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170902.zip) |
| RP-78 | | RP-172243 | 3612 | - | Corrections to Rel-11 UTRA FE-FACH test cases | F | 14.0.0 | 14.1.0 | [R5s170920](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170920.zip) |
| RP-78 | | RP-172243 | 3613 | - | Correction to Rel-8 E-RACH test cases | F | 14.0.0 | 14.1.0 | [R5s170921](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2017/Docs/R5s170921.zip) |
| RP-79 | | RP-180114 | 3615 | - | Correction of f\_UTRAN\_InitialiseQoS for duplicated entry in select/case statements | F | 14.1.0 | 14.2.0 | R5s180027 |
| RP-79 | | RP-180114 | 3614 | 1 | Correction to the function f\_UTRAN34\_ActivateFirstPDP\_Context | F | 14.1.0 | 14.2.0 | R5s180082 |
| RP-80 | | RP-180730 | 3622 | - | Correction to test case 6.2.1.8a.2 | F | 14.2.0 | 14.3.0 | [R5s180272](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180272.zip) |
| RP-80 | | RP-180730 | 3623 | - | Correction to test cases 7.1.8.1, 8.2.1.42, 14.7.11 | F | 14.2.0 | 14.3.0 | [R5s180273](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180273.zip) |
| RP-80 | | RP-180730 | 3624 | - | Correction to test case 9.4.2.1. | F | 14.2.0 | 14.3.0 | [R5s180274](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180274.zip) |
| RP-80 | | RP-180730 | 3625 | - | Correction to test case 8.3.1.22 | F | 14.2.0 | 14.3.0 | [R5s180275](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180275.zip) |
| RP-80 | | RP-180730 | 3626 | - | Correction to Rel-5 HSDPA test case 8.3.4.9 | F | 14.2.0 | 14.3.0 | [R5s180276](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180276.zip) |
| RP-80 | | RP-180730 | 3617 | 1 | Correction to Rel-99 WCDMA IRAT test case 8.4.1.48 | F | 14.2.0 | 14.3.0 | [R5s180334](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180334.zip) |
| RP-80 | | RP-180730 | 3618 | 1 | Correction to Rel-5 HSDPA test case 8.3.4.9 | F | 14.2.0 | 14.3.0 | [R5s180335](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180335.zip) |
| RP-80 | | RP-180730 | 3619 | 1 | Correction to Rel-99 NAS test case 9.4.2.3 | F | 14.2.0 | 14.3.0 | [R5s180339](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180339.zip) |
| RP-80 | | RP-180730 | 3620 | 1 | Correction to Rel-99 NAS test case 9.4.3.5 | F | 14.2.0 | 14.3.0 | [R5s180340](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180340.zip) |
| RP-80 | | RP-180730 | 3621 | 1 | Improvement to UTRAN SS\_NITZ test cases 9.4.10, 12.2.1.13, 12.2.1.15 | F | 14.2.0 | 14.3.0 | [R5s180349](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180349.zip) |
| RP-80 | | RP-180730 | 3627 | - | Correction for R8 Enh Cell-FACH test case 8.2.1.42 | F | 14.2.0 | 14.3.0 | [R5s180369](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180369.zip) |
| RP-81 | | RP-181587 | 3629 | - | Correction to UTRAN emergency call test case 13.2.2.1 | F | 14.3.0 | 14.4.0 | [R5s180450](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180450.zip) |
| RP-81 | | RP-181587 | 3631 | - | Correction to Rel-99 NAS test case 12.4.1.4a | F | 14.3.0 | 14.4.0 | [R5s180452](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180452.zip) |
| RP-81 | | RP-181587 | 3632 | - | Correction for MM test case 9.4.3.5 | F | 14.3.0 | 14.4.0 | [R5s180508](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180508.zip) |
| RP-82 | | RP-182293 | 3634 | - | Correction to MM test case 9.4.2.3 | F | 14.4.0 | 14.5.0 | [R5s180545](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180545.zip) |
| RP-82 | | RP-182293 | 3637 | - | Correction for UTRA NAS test case 10.1.2.5.1 | F | 14.4.0 | 14.5.0 | [R5s180591](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180591.zip) |
| RP-82 | | RP-182293 | 3635 | - | Rel-15 Sep'18 baseline upgrade for UTRAN TTCN-3 Test Suites | F | 14.5.0 | 15.0.0 | [R5s180553](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2018/Docs/R5s180553.zip) |
| RP-83 | | RP-190101 | 3638 | - | Correction to cbs\_108\_UTRAN\_MobilityInfo\_r6 | F | 15.0.0 | 15.1.0 | [R5s190052](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2019/Docs/R5s190052.zip) |
| RP-84 | | RP-190898 | 3639 | 1 | Correction to UTRAN RRC Test Case 8.3.1.22 | F | 15.1.0 | 15.2.0 | R5s190262 |
| RP-85 | | RP-191715 | 3642 | - | Correction to UE\_NetworkCapability in all UTRAN testsuites | F | 15.2.0 | 15.3.0 | [R5s190583](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2019/Docs/R5s190583.zip) |
| RP-85 | | RP-191715 | 3643 | - | Correction to UTRAN device audit test case 8.1.5.7 | F | 15.2.0 | 15.3.0 | [R5s190591](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2019/Docs/R5s190591.zip) |
| RP-85 | | RP-191715 | 3640 | 1 | Addition of GCF WI-010 UTRAN testcase 12.2.2.5 | B | 15.2.0 | 15.3.0 | [R5s190660](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2019/Docs/R5s190660.zip) |
| RP-85 | | RP-191715 | 3641 | 1 | Correction to UTRAN WI-104 testcase 6.1.1.13 | F | 15.2.0 | 15.3.0 | [R5s190665](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2019/Docs/R5s190665.zip) |
| RP-85 | | RP-191714 | 3644 | - | Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A | F | 15.2.0 | 15.3.0 | [R5s190817](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2019/Docs/R5s190817.zip) |
| RP-86 | | RP-192491 | 3646 | - | Correction to SSNITZ testcase 15.4.7 | F | 15.3.0 | 15.4.0 | [R5s190950](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2019/Docs/R5s190950.zip) |
| RP-87 | | RP-200077 | 3649 | - | Correction to SSNITZ testcase 15.4.7 | F | 15.4.0 | 15.5.0 | [R5s200248](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2020/Docs/R5s200248.zip) |
| RP-90 | | RP-202249 | 3651 | - | Correction to UTRAN CSG testcase 6.3.2.1 | F | 15.5.0 | 15.6.0 | [R5s201239](https://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2020/Docs/R5s201239.zip) |
| RP-90 | | RP-202249 | 3652 | - | Correction to UTRAN TC 8.1.5.7 | F | 15.5.0 | 15.6.0 | [R5s201258](https://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2020/Docs/R5s201258.zip) |
| RP-90 | | RP-202249 | 3653 | - | Correction to UTRA test case 8.1.5.7 | F | 15.5.0 | 15.6.0 | [R5s201343](https://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2020/Docs/R5s201343.zip) |
| RP-90 | | RP-202249 | 3654 | - | Correction for UTRAN test case applicability | F | 15.5.0 | 15.6.0 | [R5s201439](https://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2020/Docs/R5s201439.zip) |
| RP-90 | | RP-202249 | 3655 | - | Rel-16 Sep'20 baseline upgrade for UTRA Test Suites | F | 15.6.0 | 16.0.0 | [R5s201445](https://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2020/Docs/R5s201445.zip) |
| RP-91 | | RP-210167 | 3657 | - | Correction to function f\_SS\_ReceiveRegister | F | 16.0.0 | 16.1.0 | [R5s210141](https://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2021/Docs/R5s210141.zip) |
| RP-91 | | RP-210167 | 3658 | - | Correction to SSNITZ testcases 15.5.7, 15.5.8 and 15.8.6 | F | 16.0.0 | 16.1.0 | [R5s210264](https://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TTCN/TTCN_CRs/2021/Docs/R5s210264.zip) |
| RP-92 | | RP-211032 | 3661 | - | Correction to function fl\_UTRAN34\_CheckAllCapabilitiesIn\_RrcConnectionSetupComplete | F | 16.1.0 | 16.2.0 | R5s210502 |
| RP-96 | | RP-221113 | 3663 | 1 | Correction to GMM test case 12.2.2.5 | F | 16.2.0 | 16.3.0 | R5s220725 |