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 configures 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. $START_{cs}$ 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 $START_{ps}$ 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	

RB identity (TTCN constant)	Direction	RLC mode	BEARER value	Type	Comments
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)
```

8.5.4.5.3 Presence 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
$EF_{PLMNwAcT}$	1st	PLMN 3	UTRAN
	2nd	PLMN 4	UTRAN
$EF_{OPLMNwAcT}$	1st	PLMN 5	UTRAN
	2nd	PLMN 6	UTRAN
EF_{FPLMN}	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
EF_{FPLMN}	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
$EF_{PLMNwAcT}$	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
$EF_{PLMNwAcT}$	1st	PLMN 7
$EF_{OPLMNwAcT}$	1st	PLMN 5
	2nd	PLMN 6
EF_{FPLMN}	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
$EF_{PLMNwAcT}$	1st	PLMN 3
$EF_{OPLMNwAcT}$	1st	PLMN 4
	2nd	PLMN 5
EF_{FPLMN}	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
$EF_{PLMNwAcT}$	1st	PLMN 2
$EF_{OPLMNwAcT}$	1st	PLMN 5
EF_{FPLMN}	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
$EF_{OPLMNwAcT}$	1st	PLMN 2
	2nd	PLMN 3
	3rd	PLMN 4
EF_{FPLMN}	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
EF_{EHPLMN}	1st	PLMN 4
	2nd	PLMN 2
	3rd	PLMN 1
EF_{UST}	Service n°71 Equivalent HPLMN and Service n°73 Equivalent HPLMN Presentation Indication available	
$EF_{EHPLMNPI}$	'02' - Display all the available EHPLMNs	

Table 8.5.5.1.9: USIM B

USIM field	Priority	PLMN
EF_{EHPLMN}	1st	PLMN 2
	2nd	PLMN 3
	3rd	PLMN 1
EF_{UST}	Service n°71 Equivalent HPLMN and Service n°73 Equivalent HPLMN Presentation Indication available	
$EF_{EHPLMNPI}$	'01' - Display the highest-priority available EHPLMN only	

Table 8.5.5.1.10: USIM C

USIM field	Priority	PLMN
EF_{EHPLMN}	1st	PLMN 3
	2nd	PLMN 4
	3rd	PLMN 1
EF_{UST}	Service n°71 Equivalent HPLMN available	
$EF_{EHPLMNPI}$	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
$EF_{LRPLMNSI}$	01

Table 8.5.5.1.12: USIM B

USIM field	LRPLMNSI
$EF_{LRPLMNSI}$	00

Table 8.5.5.1.13: Parameters common for USIM A & USIM B

USIM field	Priority	PLMN
EF_{EHPLMN}	1st	PLMN 5
EF_{EHPLMN}	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
EF_{EHPLMN}	1st	PLMN 5
EF_{EHPLMN}	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
EF_{FPLMN}	PLMN 3	

The test USIM is configured in tc_6_1_2_9a with "Type A" EF_{ACC}.

The test USIM is configured in tc_6_1_2_9b with "Type B" EF_{ACC}.

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
$EF_{HPLMNwAcT}$	1st	PLMN1	GSM
$EF_{HPLMNwAcT}$	2nd	PLMN1	UTRAN

Table 8.5.5.1.17: USIM B

USIM field	Priority	PLMN	Access Technology Identifier
$EF_{HPLMNwAcT}$	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
EF_{LOCI}		PLMN 1	
$EF_{HPLMNwAcT}$	1st	PLMN2	UTRAN
	2nd	PLMN2	GSM

Table 8.5.5.1.19: USIM B

USIM field	Priority	PLMN	Access Technology Identifier
EF_{LOCI}		PLMN 1	
$EF_{HPLMNwAcT}$	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
$EF_{HPLMNwAcT}$	1st	PLMN2	UTRAN
	2nd	PLMN2	GSM
$EF_{PLMNwAcT}$	1st	PLMN3	UTRAN

Table 8.5.5.1.21: USIM B

USIM field	Priority	PLMN	Access Technology Identifier
$EF_{HPLMNwAcT}$	1st	PLMN2	UTRAN
	2nd	PLMN2	
$EF_{PLMNwAcT}$	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
$EF_{HPLMNwAcT}$	1st	PLMN2	UTRAN
	2nd	PLMN2	GSM
$EF_{PLMNwAcT}$	1st	PLMN 3	UTRAN
	2nd	PLMN 4	GSM
$EF_{OPLMNwAcT}$	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
EF_{LOCI}		PLMN 7	
EF_{FPLMN}	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:

TSO Name	Description

	==========
	/* 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.

TSO Name	Description
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'.

TSO Name	Description
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 */.

TSO Name	Description
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.

TSO Name	Description
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.

TSO Name	Description
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]

TSO Name	Description
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.

TSO Name	Description
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) = '10800000000000000000080800200C417A'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.

TSO Name	Description
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.

TSO Name	Description
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.

TSO Name	Description

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:
	"1000011001011110100000100000000000000000010110001000000000000000010000000000000000010100001100110000011111000001110011111111111111111110101111010011"

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.

TSO Name	Description
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 (**LB**) Upper Bound (**UB**)	BITSTRING [12]	OMIT	Do not use !	
		AnyOrOmit	Do not use !	
		Any	Do not use !	
		Value	Use !	
NackList Element i (**Nacki**)	BITSTRING [12]	OMIT	Do not use !	
		AnyOrOmit	Do not use !	
		Any	Do not use !	
		Value	Use !	Check negative ack
Window Size SUFI presence (**WSN_ presence**)	BOOLEAN	OMIT	Use !	Check absence
		AnyOrOmit	Do not use !	
		Any	Use !	Check presence
		Value	Use !	Check presence
MRW SUFI presence (**MRW_ presence**)	BOOLEAN	OMIT	Use !	Check absence
		AnyOrOmit	Do not use !	
		Any	Use !	Check 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
OC_LeastBits	**Type of the result:** BITSTRING **Parameters:** bstring : BITSTRING lg : INTEGER **Description:** It returns the `lg` least significant bits of the original `bstring`. for example: OC_LeastBits('110011000101010'B, 3) = '010'B, OC_LeastBits('110011000101010'B, 6) = '101010'B.
OC_MostBits	**Type of the result:** BITSTRING **Parameters:** bstring : BITSTRING lg : INTEGER **Description:** It returns the `lg` most significant bits of the original `bstring`. for example: OC_MostBits ('110011000101010'B, 3) = '010'B, OC_MostBits ('110011000101010'B, 6) = '101010'B.
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

TSO Name	Description
	p_EOTD_Based, p_GERANFeatPackage1, p_GERANFeatPackage2: 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, 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_GERANIuModeCapability, 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 >

TSO Name	Description
	{ 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) > }

TSO Name	Description
	{ 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

TSO Name	Description
	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.

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

TSO Name	Description
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)
	}

TSO Name	Description
	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

TSO Name	Description

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.

TSO Name	Description
	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 k_t < 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

TSO Name	Description
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)

TSO Name	Description
	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,

TSO Name	Description
	- 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

TSO Name	Description
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

TSO Name	Description
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

8.8 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
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 +COPN TS 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 is only one exception 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.

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.

An example 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 it's 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-DL32k
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, a acknowledged RLC; Protect 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 deliver ('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, fo Background to be neglected 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:
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:
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:
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

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)
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

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)

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)

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

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]

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)

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
```

8.14 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.

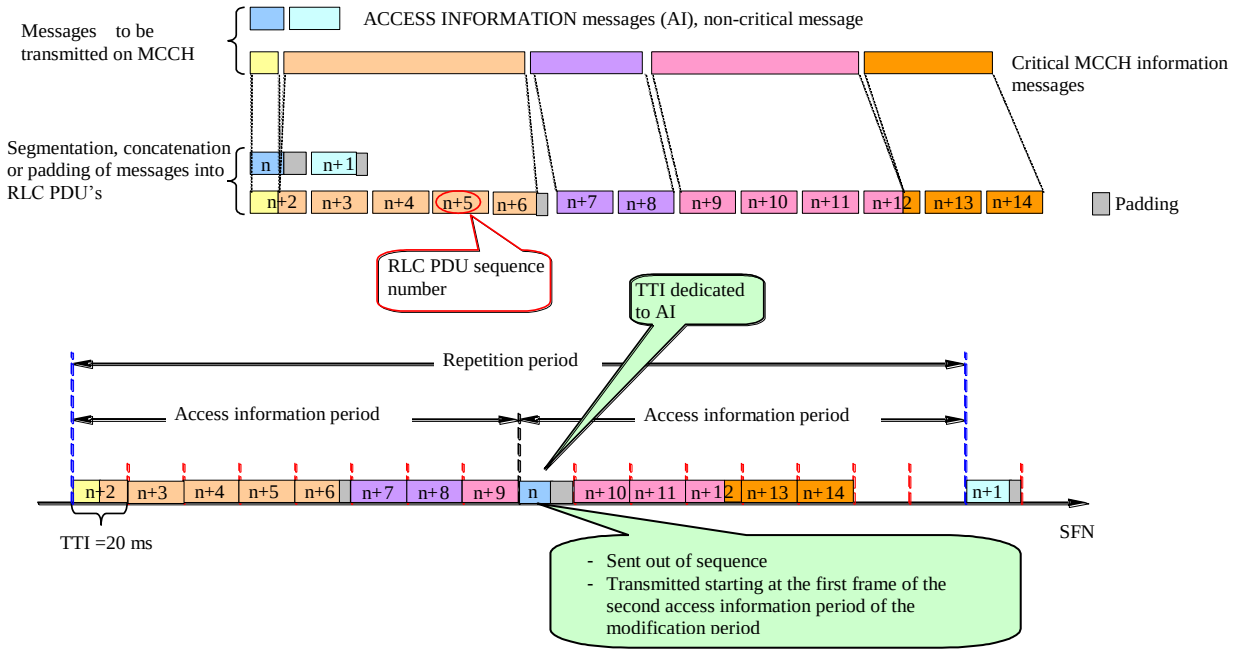

Figure 8.14.1.1: Segmentation and concatenation of MCCH messages into RLC PDU's

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.

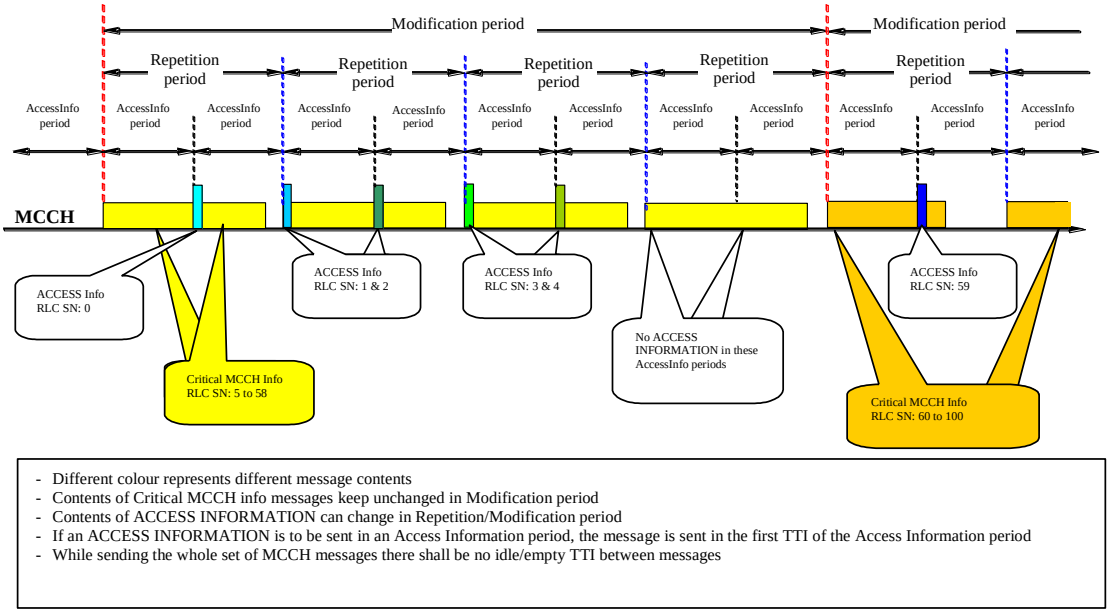

Figure 8.14.1.2: RLC SN allocation in MCCH scheduling

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 succesively 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 trasnmission 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.

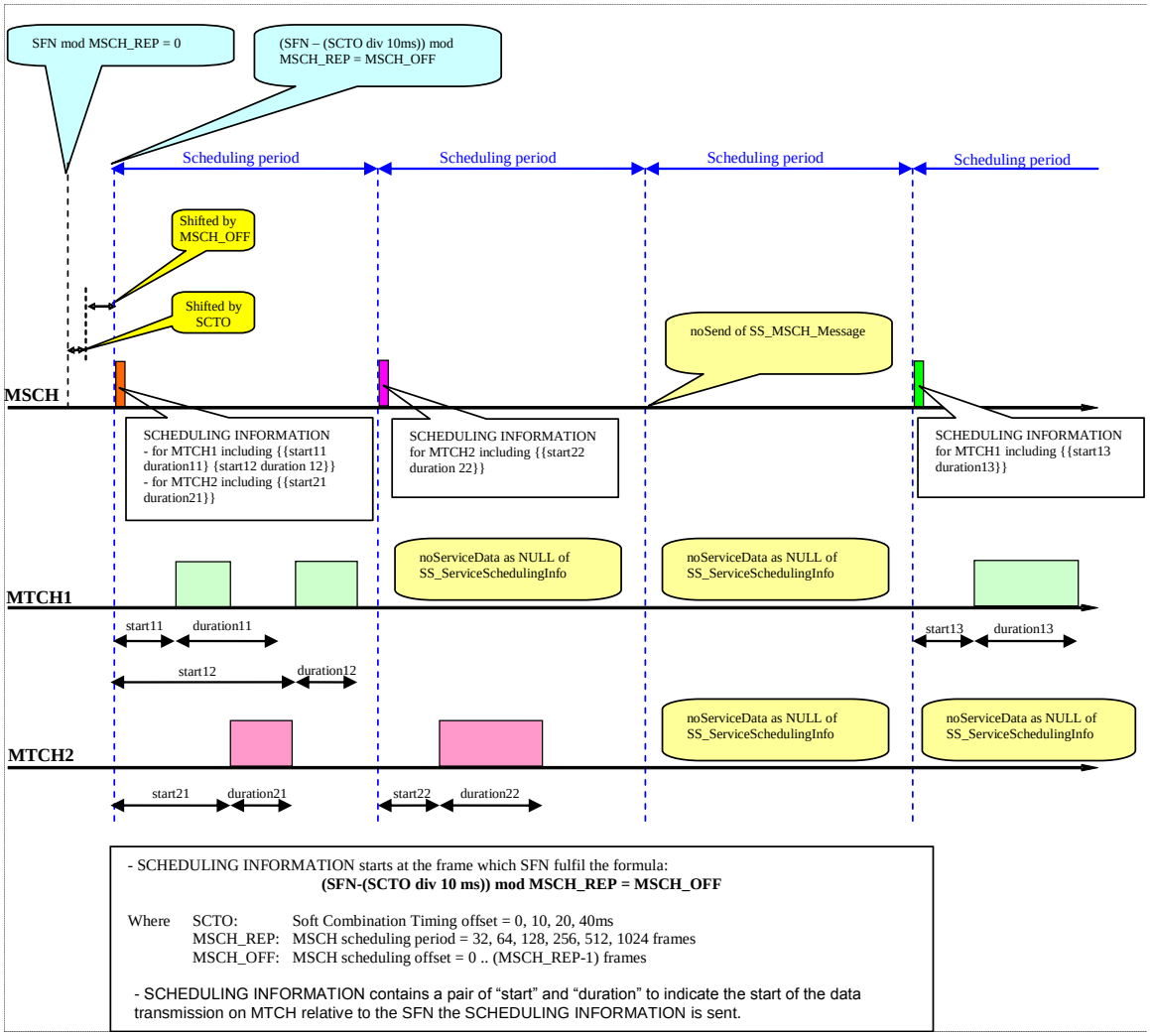

Figure 8.14.2: MSCH scheduling and MTCH data transfer

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).

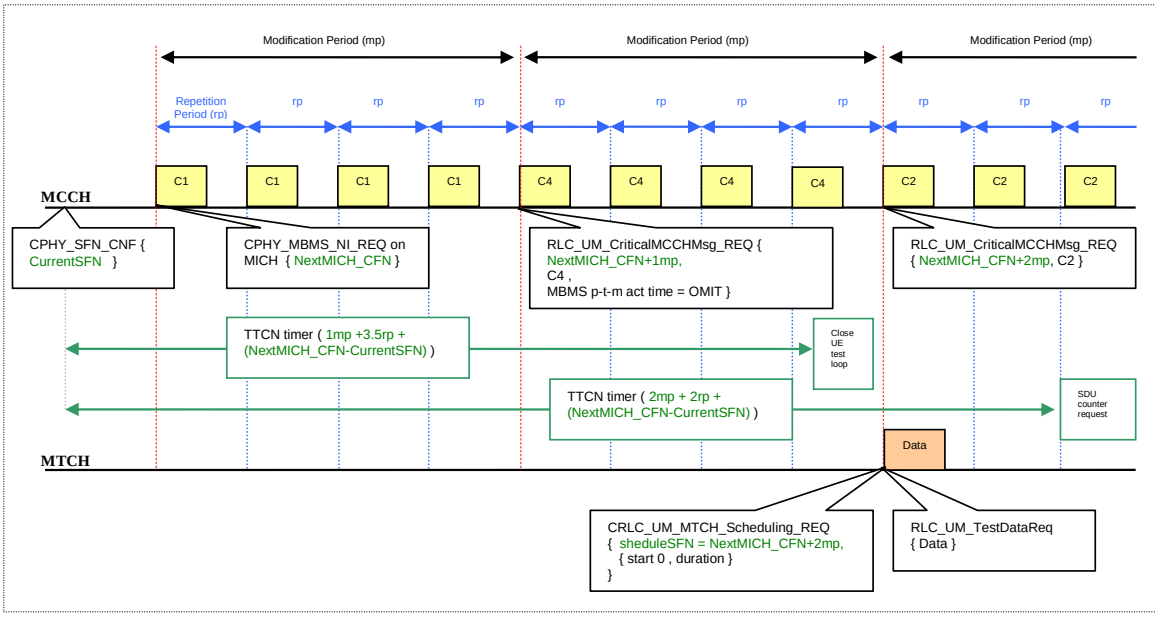

Figure 8.14.2.1: Synchronized MTCH data sending, no MSCH configured

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.

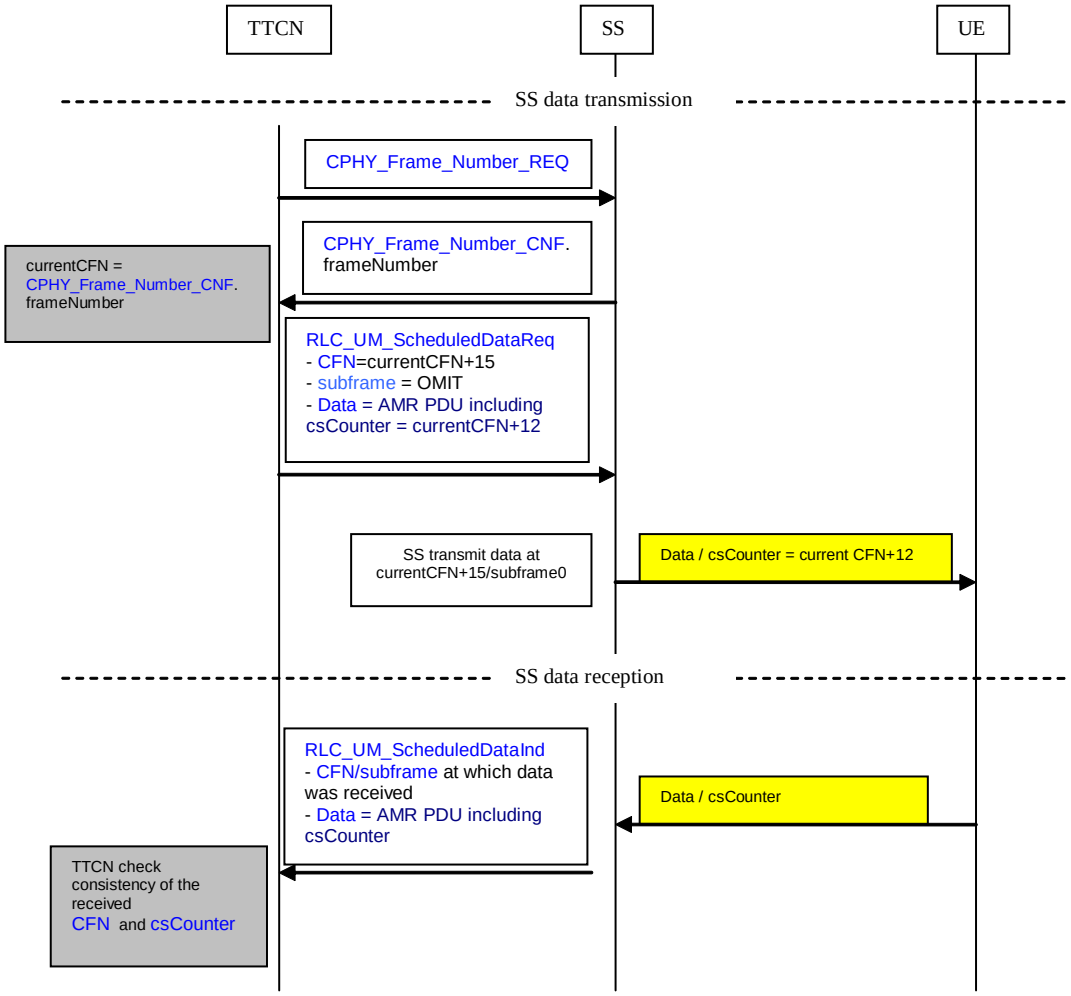

Figure 8.16: ASP sequence for data scheduling in PDCP CS Voice over HSPA tests

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.

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	

Test case	Description	FDD	LCR TDD
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

Test case	Description	FDD	LCR TDD
	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 / tes 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
12.3.1.1	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

Test case	Description	FDD	LCR TDD
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

Test case	Description	FDD	LCR TDD
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	

Test case	Description	FDD	LCR TDD
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

Test case	Description	FDD	LCR TDD
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	

Test case	Description	FDD	LCR TDD
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	

Test case	Description	FDD	LCR TDD
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	

Test case	Description	FDD	LCR TDD
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	

Test case	Description	FDD	LCR_TDD
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	

Test case	Description	FDD	LCR_TDD
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	

Test case	Description	FDD	LCR_TDD
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	

Test case	Description	FDD	LCR_TDD
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	

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	

Test case	Description	FDD	LCR_TDD
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	

Test case	Description	FDD	LCR_TDD
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 interative 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	

Test case	Description	FDD	LCR_TDD
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	
7.1.6.3.3	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	

Test case	Description	FDD	LCR_TDD
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	

Test case	Description	FDD	LCR_TDD
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	
8.3.4.13	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
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	
7.3.7.1	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	
8.2.2.58	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	
8.3.4.15	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	
12.2.2.10	Combined PS attach / abnormal cases / access barred due to paging permission with access control	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	

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
8.1.5.7	UE Capability Information / Audit of UE Capabilities	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	TDD
8.1.5.7	UE Capability Information / Audit of UE Capabilities	X	

The Test Suite in TTCN3 is contained in multiple ASCII files which accompany the present document.

Annex B (normative): Partial IXIT proforma

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 a 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).	BITSTRING	See note 2	
px_AuthK	Authentication Key (128 bits)	BITSTRING	'0101111001001 0101011001101 0110001001000 1001101110101 1101001010101 1101110100000 0100101110011 0011111000011 0000100110100 11000101001'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	Default value: (GEA/2) gea2 '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	MaxNoBits	b163840	

Parameter name	Description	Type	Default value	Supported value
	being received at an arbitrary time instant.			
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	

Parameter name	Description	Type	Default value	Supported value
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.	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	

Parameter name	Description	Type	Default value	Supported value
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_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	
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	

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_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	EmergencyNumber	"112"	
px_IMEI_Def	Default IMEI value	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	

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_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”
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	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	IP_Packet	"Test_PDCP_TCPIP_Packet2_PID_Type3"	
px_PDCP_TcpIpCompressedTcpPacket01	IP header compressed packet type (PID=2) of 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	IP_Packet	"Test_PDCP_TCPIP_Packet2_PID_Type2"	
px_PDCP_TcpIpFullHeaderPacket01	IP header compressed packet type (PID=1) of 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	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	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	IP_Packet	"Test_PDCP_UDPIP_Packet2_PID_Type4"	
px_PDCP_UdpIpFullHeaderPacket01	IP header compressed packet type (PID=1) of 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	IP_Packet	"Test_PDCP_UDPIP_Packet2_PID_Type1"	

Parameter name	Description	Type	Default value	Supported value
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		

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. Allowed values are: '000'B(A5/1), '010'B(A5/3)	B3_CipherAlg	(A5/1) '000'B	
px_HighMultiSlotCap	High Multislot Capability. Used in Classmark 3	B2		
px_CipherKey	Cipher key (64 bits)	B64	'01011110010010101 011001101011000100 100010011011101011 10100101010'B	
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

Required information for MMI question	ATS
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_Geographical Information	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	Execute UL 128 KBPS RAB HS test cases, when UE supports UL384	BOOLEAN	TRUE	
px_RAB_HS_Exec64_384Supp	Set to TRUE if 384kbps is supported and if tests on 64kbps shall be executed	BOOLEAN	TRUE	
px_RAB_HS_Exec64_128Supp	Execute UL 64 KBPS RAB HS test cases, when UE supports UL128	BOOLEAN	TRUE	
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_Max_RLC_AM_Entries	Maximum number of RLC entries operating in acknowledged mode, see 3GPP TS 44.118 [61], clause 9.3.46	B3		
px_Max_RLC_UM_Entries	Maximum number of RLC entries operating in unacknowledged mode, see 3GPP TS 44.118 [61], clause 9.3.46	B3		
px_Max_RLC_T_Entries	Maximum Number of RLC entries operating in transparent mode, see 3GPP TS 44.118 [61], clause 9.3.46	B3		
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	InterFreqBandList		

Parameter Name	Description	Type	Default Value	Supported Value
	operating on the E-UTRA band 13 and measuring other supported E-UTRA bands.			
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	interRAT_BandList		

Parameter Name	Description	Type	Default Value	Supported Value
	supported inter-RAT bands			
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 HSPA 8 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_DigitalSignature	ETWS Digital Signature	OCTETSTRING		
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		

Annex C (informative): Additional information to IXIT

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

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:	

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

TTCN object	Case of first character	Prefix	Comment
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.

TTCN object	Case of first character	Prefix	Comment
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

Abbreviations	Meaning
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

RULE 4: Specific naming rules for test suite parameters/constants/variables test case variables and formal parameters
a) The name should reflect the purpose/objective the object is used for. b) If the type is not a predefined one, it is useful that the name reflects the type, too. c) 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.

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

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.

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.

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.

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.

RULE 10: Specific naming rule for test steps
The name should reflect the objective of the test step.

RULE 11: Selecting the ASN.1 format for type definitions
a) If the protocol standard uses ASN.1 to specify the PDUs, the ATS specifier should also use ASN.1. b) 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. c) Use the option of "ASN.1 ASP/PDU type Definitions by Reference" whenever applicable. d) 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.

RULE 12: Further guidelines on type definitions
a) 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. b) 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. c) 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. d) 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.

RULE 13: Specification of test suite operations
a) Use a test suite operation only if it cannot be substituted by other TTCN constructs. b) Write down the rationale/objective of the test suite operation. Reference standards if applicable. c) Classify and simplify algorithm. Split test suite operation if too complex. d) 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. e) 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.). f) 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.

RULE 14: General aspects of specifying constraints
a) 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). b) Make extensive use of the different optional "Comment" fields in the constraint declaration tables to highlight the peculiarity of each constraint.

RULE 15: Relation between base constraints and modified constraints
a) Define different base constraints for the send- and receive direction of a PDU (when applicable). b) 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. c) 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. d) 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.

RULE 16: Static and dynamic chaining
a) 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. b) 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. c) 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]).

RULE 17: Parameterization of constraints
a) 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. b) 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.

RULE 18: Constraint values
a) Use comments to highlight the peculiarity of the value, especially when the value is a literal, whose meaning is not apparent. b) 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. c) 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 "*").

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.

RULE 20: Test body entry marker
The entry of the test body should be marked.

RULE 21: State variable
For realizing test purposes dependent on protocol states, use a variable to reflect the current state of the IUT.

RULE 22: State checking event sequences
Combine event sequences used for checking a state of the IUT within test steps.

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.

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.

RULE 25: Nesting level of test steps
Keep the nesting level of test steps to a minimum.

RULE 26: Recursive tree attachment
Avoid recursive tree attachment. Where possible, use loops instead of recursive tree attachments.

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.

RULE 28: Parameterized test steps
Use parameterized test steps to ensure re-use of test steps within test cases for different needs.

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.

RULE 30: Using relational expressions as alternatives
a) A relational expression should never restrict the value range of a preceding relational expression in the same alternative sequence using the same variable. b) 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.

RULE 31: Loop termination
Do not use conditions for terminating loops, which depend only on the behaviour of the IUT.

RULE 32: Avoiding deadlocks
a) Make sure that each alternative sequence of receive events contains an OTHERWISE statement (without any qualifier) for each PCO. b) 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
a) Use only event sequences leading to the test body within a preamble. b) Handle all event sequences not leading to the test body within the default tree of the test case/step. c) 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		+It_Response			
4		[p_Mode = tsc_Mode2]			
5		L ! Stimulus	cs_Stimulus2		
6		+It_Response			
7	ERR1	[TRUE]		I	1
8		It_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 ASN.1 module

```
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 {
                            lcsNotiffication [0] EXPLICIT LocationNotificationRes,
                            lcsMOLRRes          [1] EXPLICIT LCS-MOLRRes
                            }


ReturnErrPara   ::= CHOICE {
                            lcsNotiffication [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] 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
```

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.

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.3 Void

I.4 InterRAT test execution

The test purpose and the test method of the test case 8.3.7.1, 8.3.7.1a and 8.3.7.1b are same. The test cases differ from each other in the ciphering algorithms applied in the UTRAN and GERAN cell. The necessary test coverage is achieved by executing once according to the following:

- 8.3.7.1b for UE in Rel-7 or later,
- 8.3.7.1a for UE in Rel-6, (for earlier UE if A5/3 is supported),
- 8.3.7.1 for UE in R99, Rel-4 or Rel-5.

The test purpose and the test method of the test case 8.3.11.1, 8.3.11.1a and 8.3.11.1b are same. The test cases differ from each other in the ciphering algorithms applied in the UTRAN and GPRS cell. The necessary test coverage is achieved by executing once according to the following:

- 8.3.11.1a and 8.3.11.1b: for UE in Rel-7 or later,
- 8.3.11.1 for UE in R99, Rel-4, Rel-5 or Rel-6

Annex J (informative): Change history

Meeting	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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	B	3.5.1	3.6.0	T1s040252

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				V3.5.1				
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	B	3.4.0	3.6.0	T1s040065

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				V3.4.0				
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 Idle mode 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	B	5.1.0	5.2.0	R5s050210

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				RRC ATS V5.0.0				
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

Meeting	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
RP-29	RP-050532	1430	-	Corrections to Approved test case 8_2_1_31 based on w k31 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 w k31 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 w k31 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 w k31 ATS	F	5.1.0	5.2.0	R5s050343
RP-29	RP-050532	1434	-	Corrections to Approved Testcase 8_2_1_28 based on w k31 ATS	F	5.1.0	5.2.0	R5s050297
RP-29	RP-050532	1435	-	Corrections to Approved Testcase 8_2_2_38 based on w k31 ATS	F	5.1.0	5.2.0	R5s050299
RP-29	RP-050532	1436	-	Corrections to Approved Testcase 8_2_3_30 based on w k31 ATS	F	5.1.0	5.2.0	R5s050301
RP-29	RP-050532	1437	-	Corrections to Approved Testcase 8_2_4_36 based on w k31 ATS	F	5.1.0	5.2.0	R5s050303
RP-29	RP-050532	1438	-	Corrections to Approved Testcase 8_3_1_32 based on w k31 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 DI only compressed mode branches	F	5.4.0	5.5.0	R5s060051

Meeting	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meeting	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meeting	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meeting	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 wk11 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	B	6.4.0	6.5.0	R5s070303

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				ATS				
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	B	6.4.0	6.5.0	R5s070313

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				RRC ATS				
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	F	6.4.0	6.5.0	R5s070223

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				Indicator				
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

Meeting	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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
RP-40	RP-080429	2382		ASP improvement when configuring MICH and PICH		7.0.0	7.1.0	R5-081523
RP-40	RP-080363	2383		R99 TSO routine maintenance		7.0.0	7.1.0	R5-081058
RP-40	RP-080430	2384		PIXIT for UE LCS Notification timeout timer added		7.0.0	7.1.0	R5-081571
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
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

Meeting	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	B	8.0.0	8.1.0	R5s080376

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				ATS				

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	-

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	B	8.2.0	8.3.0	R5s090076

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				14.6.1c to HSPA7_ENH ATS				
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 w k46 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

Meeting	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 w k16 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 w k21 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 w k36 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 Netw ork 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	-

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 w k10 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 w k10 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 11w k21 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 w k36 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 w k48 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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 w k08 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 12w k08 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 w k16 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 12w k16 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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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	F	10.1.0	10.2.0	R5s120840

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
				Domain				
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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

Meet-ing	TSG doc	CR	Rev	Subject	Cat	Old vers	New vers	WG doc
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