

## Annex D (informative): TTCN-3 Definitions

### D.1 EUTRA\_ASP\_TypeDefs

Type definitions for configuration of the system simulator;

Common design principles:

Semantics of OMIT: for all TTCN-3 type definitions used in ASPs omit means "keep as it is" =>

- on initial configuration in general all fields shall be provided
- no default values for fields are foreseen
- if necessary non-existence of information shall be explicitly configured (e.g. with a union of "no configuration" and "configuration parameters")
- fields within structures imported from the core spec are excepted from this rule

#### D.1.1 ASN1\_Container

Definitions containing ASN.1 types for backward compatibility;

NOTE 1: PCCH\_Message and BCCH\_DL\_SCH\_Message already have a critical extension mechanism by RRC type definition

NOTE 2: BCCH\_BCH\_Message contains the MIB and therefore is considered to be not extendable

NOTE 3: "simple types" are not considered: C\_RNTI, PhysCellId, CellIdentity, ARFCN\_ValueEUTRA

##### AntennaInfoDedicated\_R8andLater\_Type

TTCN-3 Record Type			
Name	AntennaInfoDedicated_R8andLater_Type		
Comment			
antennaInfo	AntennaInfoDedicated		
antennaInfo_v920	AntennaInfoDedicated_v920	opt	

##### AntennaInfoDedicated\_R10andLater\_Type

TTCN-3 Record Type			
Name	AntennaInfoDedicated_R10andLater_Type		
Comment			
antennaInfo	AntennaInfoDedicated_r10		
antennaInfoUL	AntennaInfoUL_r10	opt	

##### CQI\_ReportConfig\_R8andLater\_Type

TTCN-3 Record Type			
Name	CQI_ReportConfig_R8andLater_Type		
Comment			
cqi_ReportConfig	CQI_ReportConfig		
cqi_ReportConfig_v920	CQI_ReportConfig_v920	opt	

**CQI\_ReportConfig\_R10andLater\_Type**

TTCN-3 Record Type			
Name	<b>CQI_ReportConfig_R10andLater_Type</b>		
Comment			
cqi_ReportConfig_r10	CQI_ReportConfig_r10		NOTE: field 'csi-SubframePatternConfig-r10' is not relevant as long as a cell is configured as SCell
cqi_ReportConfig_v1130	CQI_ReportConfig_v1130	opt	

**PUCCH\_ConfigDedicated\_R8andLater\_Type**

TTCN-3 Record Type			
Name	<b>PUCCH_ConfigDedicated_R8andLater_Type</b>		
Comment			
pucch_ConfigDedicated	PUCCH_ConfigDedicated		
pucch_ConfigDedicated_v1020	PUCCH_ConfigDedicated_v1020	opt	
pucch_ConfigDedicated_v1130	PUCCH_ConfigDedicated_v1130	opt	

**PUSCH\_ConfigDedicated\_R8andLater\_Type**

TTCN-3 Record Type			
Name	<b>PUSCH_ConfigDedicated_R8andLater_Type</b>		
Comment			
pusch_ConfigDedicated	PUSCH_ConfigDedicated		in case of CA beta offset shall be the same for the PCell and the associated SCells
pusch_ConfigDedicated_v1020	PUSCH_ConfigDedicated_v1020	opt	optionally present for Rel 10 cells (normal or CA); in case of CA beta offset shall be the same for the PCell and the associated SCells
pusch_ConfigDedicated_v1130	PUSCH_ConfigDedicated_v1130	opt	

**UplinkPowerControlCommon\_R8andLater\_Type**

TTCN-3 Record Type			
Name	<b>UplinkPowerControlCommon_R8andLater_Type</b>		
Comment			
uplinkPowerControlCommon	UplinkPowerControlCommon		
uplinkPowerControlCommon_v1020	UplinkPowerControlCommon_v1020	opt	optionally present for Rel 10 cells (normal or CA); NOTE: 'p0-NominalPUCCH', 'deltaFList-PUCCH', 'deltaPreambleMsg3' and 'UplinkPowerControlCommon-v1020' are not relevant as long as a cell is configured as SCell

## UplinkPowerControlDedicated\_R8andLater\_Type

TTCN-3 Record Type			
Name	UplinkPowerControlDedicated_R8andLater_Type		
Comment			
uplinkPowerControlDedicated	UplinkPowerControlDedicated		
uplinkPowerControlDedicated_v1020	UplinkPowerControlDedicated_v1020	opt	optionally present for Rel 10 cells (normal or CA); NOTE: field 'p0-UE-PUCCH' is not relevant as long as a cell is configured as SCell
pathlossReferenceLinking	<a href="#">SCellPathlossReferenceLinking_Type</a>	opt	NOTE: relevant only as long as a cell is configured as SCell
uplinkPowerControlDedicated_v1130	UplinkPowerControlDedicated_v1130	opt	

## SoundingRS\_UL\_ConfigDedicated\_R8andLater\_Type

TTCN-3 Record Type			
Name	SoundingRS_UL_ConfigDedicated_R8andLater_Type		
Comment			
soundingRS_UL_ConfigDedicated	SoundingRS_UL_ConfigDedicated		
soundingRS_UL_ConfigDedicated_v1020	SoundingRS_UL_ConfigDedicated_v1020	opt	
soundingRS_UL_ConfigDedicatedAperiodic_r10	SoundingRS_UL_ConfigDedicatedAperiodic_r10	opt	

## SchedulingRequestConfig\_R8andLater\_Type

TTCN-3 Record Type			
Name	SchedulingRequestConfig_R8andLater_Type		
Comment			
schedulingRequestConfig	SchedulingRequestConfig		
schedulingRequestConfig_v1020	SchedulingRequestConfig_v1020	opt	

## TDD\_Config\_Type

TTCN-3 Union Type			
Name	TDD_Config_Type		
Comment			
R8	TDD_Config		

## AntennaInfoCommon\_Type

TTCN-3 Union Type			
Name	AntennaInfoCommon_Type		
Comment			
R8	AntennaInfoCommon		

**AntennaInfoDedicated\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>AntennaInfoDedicated_Type</b>
<b>Comment</b>	NOTE: acc. to Cond AI-r8/AI-r10 of PhysicalConfigDedicated 'antennaInfo/'antennaInfo-v920' and 'antennaInfo-r10' are mutual exclusive
R8andLater	<a href="#">AntennaInfoDedicated_R8andLater_Type</a>
R10andLater	<a href="#">AntennaInfoDedicated_R10andLater_Type</a>

**PHICH\_Config\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>PHICH_Config_Type</b>
<b>Comment</b>	
R8	PHICH_Config

**PRACH\_Config\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>PRACH_Config_Type</b>
<b>Comment</b>	
R8	PRACH_Config

**PUCCH\_ConfigCommon\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>PUCCH_ConfigCommon_Type</b>
<b>Comment</b>	
R8	PUCCH_ConfigCommon

**PUCCH\_ConfigDedicated\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>PUCCH_ConfigDedicated_Type</b>
<b>Comment</b>	
R8andLater	<a href="#">PUCCH_ConfigDedicated_R8andLater_Type</a>

**PUSCH\_ConfigCommon\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>PUSCH_ConfigCommon_Type</b>
<b>Comment</b>	
R8	PUSCH_ConfigCommon

**PUSCH\_ConfigDedicated\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>PUSCH_ConfigDedicated_Type</b>
<b>Comment</b>	
R8andLater	<a href="#">PUSCH_ConfigDedicated_R8andLater_Type</a>

**SoundingRS\_UL\_ConfigCommon\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>SoundingRS_UL_ConfigCommon_Type</b>
<b>Comment</b>	
R8	SoundingRS_UL_ConfigCommon

**SoundingRS\_UL\_ConfigDedicated\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>SoundingRS_UL_ConfigDedicated_Type</b>
<b>Comment</b>	
R8andLater	<a href="#">SoundingRS_UL_ConfigDedicated_R8andLater_Type</a>

**SchedulingRequestConfig\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>SchedulingRequestConfig_Type</b>
<b>Comment</b>	
R8andLater	<a href="#">SchedulingRequestConfig_R8andLater_Type</a>

**CQI\_ReportConfig\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>CQI_ReportConfig_Type</b>
<b>Comment</b>	NOTE: acc. to Cond CQI-r8/CQI-r10 of PhysicalConfigDedicated 'cqi-ReportConfig'/cqi-ReportConfig-v920' and 'cqi-ReportConfig-r10' are mutual exclusive
R8andLater	<a href="#">CQI_ReportConfig_R8andLater_Type</a>
R10andLater	<a href="#">CQI_ReportConfig_R10andLater_Type</a>

**RACH\_ConfigCommon\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>RACH_ConfigCommon_Type</b>
<b>Comment</b>	
R8	RACH_ConfigCommon

**RACH\_ConfigDedicated\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>RACH_ConfigDedicated_Type</b>
<b>Comment</b>	
R8	RACH_ConfigDedicated

**MeasGapConfig\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>MeasGapConfig_Type</b>
<b>Comment</b>	
R8	MeasGapConfig

**PDCP\_Config\_Type**

TTCN-3 Union Type		
Name	PDCP_Config_Type	
Comment		
R8	PDCP_Config	

**UL\_AM\_RLC\_Type**

TTCN-3 Union Type		
Name	UL_AM_RLC_Type	
Comment		
R8	UL_AM_RLC	

**DL\_AM\_RLC\_Type**

TTCN-3 Union Type		
Name	DL_AM_RLC_Type	
Comment		
R8	DL_AM_RLC	

**UL\_UM\_RLC\_Type**

TTCN-3 Union Type		
Name	UL_UM_RLC_Type	
Comment		
R8	UL_UM_RLC	

**DL\_UM\_RLC\_Type**

TTCN-3 Union Type		
Name	DL_UM_RLC_Type	
Comment		
R8	DL_UM_RLC	

**TTI\_BundlingConfig\_Type**

TTCN-3 Union Type		
Name	TTI_BundlingConfig_Type	
Comment		
R8	boolean	

**DRX\_Config\_Type**

TTCN-3 Union Type		
Name	DRX_Config_Type	
Comment		
R8	DRX_Config	

**SpsConfigurationDL\_Type**

TTCN-3 Union Type		
Name	SpsConfigurationDL_Type	
Comment		
R8	SPS_ConfigDL.setup	

**SpsConfigurationUL\_Type**

TTCN-3 Union Type	
Name	<b>SpsConfigurationUL_Type</b>
Comment	
R8	SPS_ConfigUL.setup

**UplinkPowerControlCommon\_Type**

TTCN-3 Union Type	
Name	<b>UplinkPowerControlCommon_Type</b>
Comment	
R8andLater	<a href="#">UplinkPowerControlCommon_R8 andLater_Type</a>

**UplinkPowerControlDedicated\_Type**

TTCN-3 Union Type	
Name	<b>UplinkPowerControlDedicated_Type</b>
Comment	
R8andLater	<a href="#">UplinkPowerControlDedicated_R8 andLater_Type</a>

**CSI\_RS\_Config\_Type**

TTCN-3 Record Type	
Name	<b>CSI_RS_Config_Type</b>
Comment	
R10	CSI_RS_Config_r10

## D.1.2 System\_Configuration

Formal ASP Definitions for system configuration

## SystemRequest\_Type

TTCN-3 Union Type		
Name	SystemRequest_Type	
Comment		
Cell	<a href="#">CellConfigRequest_Type</a>	configure/release a cell
CellAttenuationList	<a href="#">CellAttenuationList_Type</a>	power attenuation for one or several cells; all cells included in the list shall be changed at the same time; all cells in the list shall reach the new cell power within a maximum of 100ms (10 frames) acc. to the tolerances given in TS 36.508 NOTE: In the common ASP part the CellId shall be set - to the cell the timing information refers to if activation time shall be applied - to eutra_Cell_NonSpecific when there is no activation time
RadioBearerList	<a href="#">RadioBearerList_Type</a>	configure/release one or several SRBs and/or DRBs NOTE: RBs are not configured in an SCell
EnquireTiming	<a href="#">Null_Type</a>	get SFN and sub-frame number for this cell
AS_Security	<a href="#">AS_Security_Type</a>	StartRestart/Release of AS security
Sps	<a href="#">SpsConfig_Type</a>	to configure/activate or release semi-persistent scheduling
Paging	<a href="#">PagingTrigger_Type</a>	to trigger SS to send paging at the given paging occasion (as calculated in TTCN)
L1MacIndCtrl	<a href="#">L1Mac IndicationControl_Type</a>	to configure SS to generate indications for L1/MAC events
RlcIndCtrl	<a href="#">Rlc IndicationControl_Type</a>	to configure SS to generate indications for RLC events
PdcpCount	<a href="#">PDCP_CountReq_Type</a>	to set or enquire PDCP COUNT for one ore more RBs
PdcpHandoverControl	<a href="#">PDCP_HandoverControlReq_Type</a>	to inform the target cell about the handover
L1_TestMode	<a href="#">L1_TestMode_Type</a>	To Set L1/MAC in special Testmodes e.g. DL CRC, PHICH etc
PdchOrder	<a href="#">RA PDCCH_Order_Type</a>	to configure SS to transmit a PDCCH order with configured C-RNTI to the UE to trigger RA procedure; result in DCI Format 1A transmission as in TS 36.212, clause 5.3.3.1.3
ActivateScell	<a href="#">ActivateScell_Type</a>	to configure SS to transmit a MAC control Element to activate an SCell
MbmsConfig	<a href="#">MBMS_Config_Type</a>	Configuration of PMCH/MCCH/MTCH for eMBMS
PDCCH_MCC H_ChangeNotification	<a href="#">PDCCH_MCCH_ChangeNotification_Type</a>	To trigger SS to send MCCH change notification at the given SFN/subframe (as calculated in TTCN)



## SystemConfirm\_Type

TTCN-3 Union Type		
Name	SystemConfirm_Type	
Comment	confirmations for system configuration; in general to be sent after the configuration has been done	
Cell	<a href="#">Null_Type</a>	(no further parameters from SS)
CellAttenuationList	<a href="#">Null_Type</a>	(no further parameters from SS) NOTE 1: the confirmation shall be sent when all cells have changed power levels NOTE 2: for the CellId in the common ASP part the same rules are applied as for the SYSTEMREQ
RadioBearerList	<a href="#">Null_Type</a>	(no further parameters from SS)
EnquireTiming	<a href="#">Null_Type</a>	SFN and sub-frame number are included in the TimingInfo
AS_Security	<a href="#">Null_Type</a>	(no further parameters from SS)
Sps	<a href="#">Null_Type</a>	(no further parameters from SS)
Paging	<a href="#">Null_Type</a>	normally not needed but defined for completeness
L1MacIndCtrl	<a href="#">Null_Type</a>	(no further parameters from SS)
RlIndCtrl	<a href="#">Null_Type</a>	(no further parameters from SS)
PdcpCount	<a href="#">PDCP_CountCnf_Type</a>	as response to 'Get' a list is returned containing COUNT information for the requested RBs
PdcpHandoverControl	<a href="#">Null_Type</a>	confirmation for PDCP handover control
L1_TestMode	<a href="#">Null_Type</a>	confirmation for L1 test mode
PdchOrder	<a href="#">Null_Type</a>	confirmation for PDCCH Order
ActivateScell	<a href="#">Null_Type</a>	confirmation for ActivateScell
MbmsConfig	<a href="#">Null_Type</a>	confirmation for MbmsConfig
PDCCH_MCC H_ChangeNotification	<a href="#">Null_Type</a>	normally not needed but defined for completeness

## SystemIndication\_Type

TTCN-3 Union Type		
Name	SystemIndication_Type	
Comment		
Error	charstring	indicates an error situation in SS; is not explicitly handled in TTCN but causes an INCONC due to default behaviour; an additional error code can be signalled in the common part of the ASP; SS shall raise an error in case of - Invalid TimingInfo for TDD - Contradiction of periodic UL grants and TDD configuration - Data scheduled for the same TTI does not fit into an available transport block (NOTE: additional cases may occur)
RachPreamble	<a href="#">RachPreamble_Type</a>	RACH preamble being sent by the UE
SchedReq	<a href="#">Null_Type</a>	indication for scheduling request sent by the UE
BSR	<a href="#">BSR_Type</a>	to report the Buffer/Extended Buffer status report being received
UL_HARQ	<a href="#">HARQ_Type</a>	to report the UL HARQ as received on PUCCH[TTI] for corresponding DL transmission in TTI-x, where x is normally 4
C_RNTI	C_RNTI	indicates C-RNTI being contained in a MAC PDU sent by the UE
PHR	<a href="#">PHR_Type</a>	to report the Power headroom report received
HarqError	<a href="#">HarqError_Type</a>	indicates detection of HARQ error: 1. HARQ CRC error for UL data 2. HARQ NACK from the UE unless SS is configured to report HARQ ACK/NACK
RlcDiscardInd	<a href="#">RlcDiscardInd_Type</a>	indicates e.g. discarded PDUs
PeriodicRI	<a href="#">RI_Type</a>	indicates periodic Rank Indicator (RI) reported by the UE on PUCCH or PUSCH; periodic CQI/PMI/RI Reporting is semi-statically configured at the UE by higher layers (see TS 36.213 clause 7.2.2); aperiodic reporting acc. to TS 36.213 clause 7.2.1 shall not be indicated NOTE: Acc. to TS 36.213 clause 7.2 aperiodic reporting has higher precedence than periodic reporting; => as working assumption the CQI request field in DCI format 0 is expected to be 0 for UL grants assigned by the SS i.e. aperiodic reporting acc. to TS 213 clause 7.2.1 does not happen
EPHR	<a href="#">MAC_CTRL_ExtPowerHeadRoom_Type</a>	indicates Extended Power headroom report reported by the UE
CqiInd	<a href="#">Null_Type</a>	indicates periodic CQI reported by the UE - NOTE: Report CQI value is currently not required

## D.1.3 Cell\_Configuration

Specific Info for Cell Configuration Primitive

## D.1.3.1 Cell\_Configuration\_Common

## EUTRA\_ASP\_TypeDefs: Constant Definitions

TTCN-3 Basic Types			
tsc_CellAttenuation_Off	<a href="#">Attenuation_Type</a>	{Off:=true}	

### Cell\_Configuration\_Common: Basic Type Definitions

TTCN-3 Basic Types		
EUTRA_FDD_Info_Type	<a href="#">Null_Type</a>	no further parameters defined for FDD
CfiValue_Type	integer (1..3)	
AbsoluteCellPower_Type	integer (-145..0)	absolute cell power (dBm)
InitialAttenuation_Type	<a href="#">Attenuation_Type</a> ( <a href="#">tsc_CellAttenuation_Off</a> )	Attenuation restricted to 'Off'
ToRS_EPRES_Ratio_Type	integer (-35..0)	any-resource-element to RS ratio in dB (e.g. PDSCH-to-RS ratio; see TS 36.213, clause 5.2)

### CellConfigRequest\_Type

TTCN-3 Union Type		
Name	CellConfigRequest_Type	
Comment		
AddOrReconfigure	<a href="#">CellConfigInfo_Type</a>	for cell configuration: CellId : identifier of the cell to be configured RoutingInfo : None TimingInfo : Now (for initial configuration and for reconfiguration in general) ControlInfo : CnfFlag:=true; FollowOnFlag:=false (in general)
Release	<a href="#">Null_Type</a>	to remove a cell completely - CellId : identifier of the cell to be released; eutra_Cell_NonSpecific, in case all cells shall be released RoutingInfo : None TimingInfo : Now ControlInfo : CnfFlag:=true; FollowOnFlag:=false (in general)

### CellConfigInfo\_Type

TTCN-3 Record Type			
Name	CellConfigInfo_Type		
Comment	common information for initial cell configuration or reconfiguration; in case of reconfiguration OMIT means 'keep configuration as it is'		
Basic	<a href="#">BasicCellConfig_Type</a>	opt	basic information for a cell (e.g. broadcasting)
Active	<a href="#">ActiveCellConfig_Type</a>	opt	add. configuration for active cell (i.e. cell being capable to receive RACH preamble)

### CellConfigCapability\_Type

TTCN-3 Enumerated Type	
Name	CellConfigCapability_Type
Comment	capabilities of a cell acc. to the initial condition of a test case
broadcastOnlyCell	no detection of RACH preables required; cell is only broadcasting
minimumUplinkCell	detection of RACH preables required but not any further RX capability
fullCell	full TX and RX capabilities

### CA\_CellInitialConfig\_Type

TTCN-3 Enumerated Type	
Name	CA_CellInitialConfig_Type
Comment	
PCell	The cell when added as a CC in CA scenario for first time will be configured as an PCell
Scell_Active	The cell when added as a CC in CA scenario for first time will be configured as an SCell, and when configured as Scell, it may be activated, 36.508 clause 6.3.4
Scell_Inactive	The cell when added as a CC in CA scenario for first time will be configured as an SCell, and when configured as Scell, it will never be activated, 36.508 clause 6.3.4

## BasicCellConfig\_Type

TTCN-3 Record Type			
Name	BasicCellConfig_Type		
Comment			
ConfigCapability	<a href="#">CellConfigCapability_Type</a>	opt	mandatory for the initial configuration; to be omitted afterwards
StaticCellInfo	<a href="#">StaticCellInfo_Type</a>	opt	Common information which does not change during a test
PhysicalLayerConfigDL	<a href="#">PhysicalLayerConfigDL_Type</a>	opt	default settings regarding physical control channels: PCFICH, PHICH, PDCCH
InitialCellPower	<a href="#">InitialCellPower_Type</a>	opt	reference cell power for the RS of each antenna in DL NOTE 1: the power of the RS of an antenna may be reduced by antenna specific configuration NOTE 2: in general the power may be adjusted on a per resource element basis => all physical channel/signal power settings shall be adjusted relatively to the RS; if there are more than one TX antennas each one may have its own attenuation; independently from those relative power settings the cell power can easily be adjusted by just changing the reference power
BcchConfig	<a href="#">BcchConfig_Type</a>	opt	configuration of BCCH/BCH; SS is triggered to configure RLC/MAC regardingly; BCCH data on the PDSCH is distinguished by the SI-RNTI PBCH: MIB; PDSCH: scheduling and resource allocation; SIBs
PcchConfig	<a href="#">PcchConfig_Type</a>	opt	configuration of PCCH/PCH; SS is triggered to configure RLC/MAC regardingly; PCCH data on the PDSCH is distinguished by the P-RNTI (needed even to modify SI => shall be configured for CELL_BROADCASTING)
CA_CellInitialConfig	<a href="#">CA_CellInitialConfig_Type</a>	opt	capability of a cell when added as a CC in CA scenario. 1. Provided at the initial configuration of a cell in CA test cases; to be omitted afterwards; 2. Always omit for a cell which remains normal non CA cell

## ActiveCellConfig\_Type

TTCN-3 Record Type			
Name	ActiveCellConfig_Type		
Comment			
C_RNTI	C_RNTI	opt	(pre-)configured C-RNTI; affects scrambling of PDSCH/PUSCH and CRC of PDCCH(s); shall be used implicitly in RACH procedure (i.e. as CE in RAR)
PhysicalLayerConfigUL	<a href="#">PhysicalLayerConfigUL_Type</a>	opt	parameters for PRACH, PUCCH, PUSCH
RachProcedureConfig	<a href="#">RachProcedureConfig_Type</a>	opt	to configure the SS's behaviour for the RACH procedure
CcchDcchDtchConfig	<a href="#">CcchDcchDtchConfig_Type</a>	opt	Parameters related to CCCH/DCCH/DTCH in UL and DL
ServingCellConfig	<a href="#">ServingCellConfig_Type</a>	opt	not present as long as the cell is 'normal' cell (i.e. does not act as a carrier component in CA); present to configure cell for CA (Pcell or SCell); in general at initial configuration 'ServingCellInfo' is omit; after sending/scheduling the RRCConnectionReconfiguration adding 1 or more cells for CA 'ServingCellInfo' is provided for the cell which gets Pcell and for the cell which gets SCell

**StaticCellInfo\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>StaticCellInfo_Type</b>		
<b>Comment</b>	Common information which (normally) does not change during a test; therefore all fields are mandatory		
Common	<a href="#">CommonStaticCellInfo_Type</a>		
Downlink	<a href="#">DownlinkStaticCellInfo_Type</a>		
Uplink	<a href="#">UplinkStaticCellInfo_Type</a>	opt	NOTE: for TDD UL and DL are using the same parameters

**CommonStaticCellInfo\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>CommonStaticCellInfo_Type</b>		
<b>Comment</b>	information common for UL and DL; all fields are mandatory		
RAT	<a href="#">EUTRA_RAT_Type</a>		FDD or TDD; FDD/TDD specific parameters
PhysicalCellId	PhysCellId		N(cell, ID): imported from core spec; -> cell specific reference signals (non-MBSFN) -> scrambling of all DL physical channels: PBCH, PCFICH, PDCCH, PHICH and PDSCH (together with nRNTI)
eNB_CellId	CellIdentity	opt	Placeholder for Cell identity (28 bits): eNB (20bits) and cell identity (8bits). The use of that field is for future usage and omit for the time being
EutraBand	FreqBandIndicator		NOTE: in 3G there are overlapping bands therefore the band needs to be provided; in EUTRA it is provided as well to be extendable in the future
CellTimingInfo	<a href="#">CellTimingInfo_Type</a>		

**EUTRA\_TDD\_Info\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>EUTRA_TDD_Info_Type</b>		
<b>Comment</b>			
Configuration	<a href="#">TDD_Config_Type</a>		TDD_Config acc. to RRC ASN.1 (acc. TS 36.331, clause 6.3.2)

**EUTRA\_HalfDuplexFDD\_Info\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>EUTRA_HalfDuplexFDD_Info_Type</b>		
<b>Comment</b>	NOTE: for the time being there is no test case or test configuration using half duplex FDD; (type definition is used as place holder only)		

**EUTRA\_RAT\_Type**

TTCN-3 Union Type			
<b>Name</b>	<b>EUTRA_RAT_Type</b>		
<b>Comment</b>	specifies RAT type and frame structure (TS 36.211, clause 4)		
FDD	<a href="#">EUTRA_FDD_Info_Type</a>		
TDD	<a href="#">EUTRA_TDD_Info_Type</a>		
HalfDuplexFDD	<a href="#">EUTRA_HalfDuplexFDD_Info_Type</a>		

**CellTimingInfo\_Type**

TTCN-3 Record Type			
Name	CellTimingInfo_Type		
Comment	Cell Timing		
Tcell	integer (0..307199)		frame duration $T_f = 307200 * T_s = 10\text{ms}$ ; System Time Unit $T_s = 1/(15000 * 2048)$
SfnOffset	integer (0..1023)		(assuming 10 bit SFN)

**DownlinkStaticCellInfo\_Type**

TTCN-3 Record Type			
Name	DownlinkStaticCellInfo_Type		
Comment	DL Static Info		
Earfcn	ARFCN_ValueEUTRA		DL-EARFCN as defined in TS 36.101
Bandwidth	<a href="#">DL_Bandwidth_Type</a>		$N(\text{DL}, \text{RB}) = 6..110$ (6, 15, 25, 50, 75, 100)
RBSize	<a href="#">EUTRA_RBSize_Type</a>		may be skipped assuming normal sub-carrier spacing => $N(\text{RB}, \text{SC}) = 12$
CyclicPrefix	<a href="#">EUTRA_CyclicPrefix_Type</a>		

**UplinkStaticCellInfo\_Type**

TTCN-3 Record Type			
Name	UplinkStaticCellInfo_Type		
Comment	UL Static Info		
Earfcn	ARFCN_ValueEUTRA		UL-EARFCN as defined in TS 36.101
Bandwidth	<a href="#">UI_Bandwidth_Type</a>		$N(\text{DL}, \text{RB}) = 6..110$ (6, 15, 25, 50, 75, 100)
CyclicPrefix	<a href="#">EUTRA_CyclicPrefix_Type</a>		

**EUTRA\_RBSize\_Type**

TTCN-3 Enumerated Type	
Name	EUTRA_RBSize_Type
Comment	Resource Block Size in freq domain; $N(\text{RB}, \text{SC})$ is 12 for normal sub-carrier spacing
n_RB_SC_12	
n_RB_SC_24	

**EUTRA\_CyclicPrefix\_Type**

TTCN-3 Enumerated Type	
Name	EUTRA_CyclicPrefix_Type
Comment	NOTE: in DL extended cyclic prefix depends on sub-carrier spacing
normal	
extended	

**Modulation\_Type**

TTCN-3 Enumerated Type	
Name	Modulation_Type
Comment	'unused' e.g. for 2nd codeword when there is no spatial multiplexing
unused	
qpsk	
qam16	
qam64	

### Attenuation\_Type

TTCN-3 Union Type		
<b>Name</b>	<b>Attenuation_Type</b>	
<b>Comment</b>	attenuation of the reference power	
Value	integer (0..144)	cell power reference power reduced by the given attenuation (value is in dB)
Off	<a href="#">Null_Type</a>	even though in TS 36.508 -145dBm is given for a non suitable cell we specify an explicit "Off" value here

### ToRS\_EPRES\_Ratios\_Type

TTCN-3 Record Type			
<b>Name</b>	<b>ToRS_EPRES_Ratios_Type</b>		
<b>Comment</b>	RA and RB ratios according to see TS 36.213, clause 5.2		
RA	<a href="#">ToRS_EPRES_Ratio_Type</a>	opt	
RB	<a href="#">ToRS_EPRES_Ratio_Type</a>	opt	

### InitialCellPower\_Type

TTCN-3 Record Type			
<b>Name</b>	<b>InitialCellPower_Type</b>		
<b>Comment</b>			
MaxReference Power	<a href="#">AbsoluteCellPower_Type</a>		maximum value of cell reference power (RS EPRE in dBm/15kHz as per TS 36.508, clause 4.3.4.1); a cell is initialised with this reference power; its value is the upper bound of the cell power during the test case
Attenuation	<a href="#">InitialAttenuation_Type</a>		initial attenuation

## D.1.3.2 Downlink\_Physical\_Layer\_Configuration

Downlink physical layer configuration:

- DL antenna configuration
- control region (PCFICH, PHICH, PDCCH)
- primary/secondary sync signals
- power control for physical channels and signals

### D.1.3.2.1 Antenna\_Configuration

#### Antenna\_Configuration: Basic Type Definitions

TTCN-3 Basic Types		
<b>AntennaPortId_Type</b>	integer (0, 1, 2, 3, 4, 5, 6)	Antenna port 0..3: Cell specific reference signals Antenna port 4: MBSFN reference signals Antenna port 5: UE specific reference signals Antenna port 6: Positioning reference signals (Antenna ports in DL acc. to 36.211 cl. 6.2.1)

**AntennaPortInfo\_Type**

TTCN-3 Record Type			
Name	<b>AntennaPortInfo_Type</b>		
Comment	NOTE: for conformance tests it may not be necessary to consider propagation pathes for different antennas; => fields of AntennaPortInfo_Type are used as place holders for future usage and are of 'Dummy_Type' for the time being		
PowerAttenuation	<a href="#">Dummy_Type</a>		even though eNb shall send with the same power on all antennas at the UE there may be different signal strength => RS will have reduced power NOTE: the EPRE ratios (e.g. PDSCH-to-RS ratio) are assumed to be equal for all antennas
PropagationDelay	<a href="#">Dummy_Type</a>		signal from different antennas may have different propagation delay

**AntennaPortConfig\_Type**

TTCN-3 Union Type			
Name	<b>AntennaPortConfig_Type</b>		
Comment			
AddOrReconfigure	<a href="#">AntennaPortInfo_Type</a>		add / re-configure antenna port
Release	<a href="#">Null_Type</a>		release antenna port

**AntennaPort\_Type**

TTCN-3 Record Type			
Name	<b>AntennaPort_Type</b>		
Comment			
Id	<a href="#">AntennaPortId_Type</a>		
Config	<a href="#">AntennaPortConfig_Type</a>		

**DownlinkAntennaGroupConfig\_Type**

TTCN-3 Record Type			
Name	<b>DownlinkAntennaGroupConfig_Type</b>		
Comment			
AntennaInfoCommon	<a href="#">AntennaInfoCommon_Type</a>		acc. to TS 36.331, clause 6.3.2; contains antennaPortsCount = an1, an2, an4; static parameter; will (normally) not be modified whilst a test; NOTE: information is redundant since number of antenna ports may implicitly be determined by the number of ports being configured
AntennaPort	record length (1..4) of <a href="#">AntennaPort_Type</a>		1, 2 or 4 antennas; from the UE's point of view each antenna may have a different power level and a different propagation delay

## D.1.3.2.2 Physical\_Channels

**PbchConfig\_Type**

TTCN-3 Record Type			
Name	<b>PbchConfig_Type</b>		
Comment			
RelativeTxPower	<a href="#">ToRS EPRE Ratios_Type</a>	opt	power ratio for PBCH's resource elements relative to the RS



**PcfichConfig\_Type**

TTCN-3 Record Type			
Name	<b>PcfichConfig_Type</b>		
Comment			
CfiValue	<a href="#">CfiValue_Type</a>	opt	control format indicator signalled on PCFICH
RelativeTxPower	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	power ratio for PCFICH's resource elements relative to the RS

**PhichConfig\_Type**

TTCN-3 Record Type			
Name	<b>PhichConfig_Type</b>		
Comment			
PhichConfig	<a href="#">PHICH_Config_Type</a>	opt	parameters acc. TS 36.331, clause 6.3.2: phich-Duration, phich-Resource; may have impact on Cfi
RelativeTxPower	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	power ratio for PHICH's resource elements relative to the RS

**CCE\_StartIndex\_DL\_UL\_Type**

TTCN-3 Record Type			
Name	<b>CCE_StartIndex_DL_UL_Type</b>		
Comment	CCE_St_Ind' or CCE_St_Ind" acc. to table 7.1.1-1 in TS 36.523-3		
CCE_StartIndex_DL	integer		
CCE_StartIndex_UL	integer		

**CCE\_StartIndexList\_Type**

TTCN-3 Record of Type			
Name	<b>CCE_StartIndexList_Type</b>		
Comment	describes PDCCH candidates for all sub-frames		
record length(10) of <a href="#">CCE_StartIndex_DL_UL_Type</a>			

**PdcchCandidate\_Type**

TTCN-3 Record Type			
Name	<b>PdcchCandidate_Type</b>		
Comment	CCE start indeces for a given RNTI value acc. to table 7.1.1-1 in TS 36.523-3		
RNTI	C_RNTI		RNTI value as per table 7.1.1-1
CCE_StartIndexList	<a href="#">CCE_StartIndexList_Type</a>		CCE Start Indices corresponding to the RNTI

**PdcchCandidateList\_Type**

TTCN-3 Record of Type			
Name	<b>PdcchCandidateList_Type</b>		
Comment	list of RNTIs and their corresponding CCE Start Indices		
record of <a href="#">PdcchCandidate_Type</a>			

**PdcchConfig\_Type**

TTCN-3 Record Type			
Name	PdcchConfig_Type		
Comment	UE performs blind detection for common and UE specific search spaces for different aggregation levels (PDCCH formats acc. TS 36.211, clause 6.8.1) content of the PDCCHs (DCI formats acc. TS 36.212, clause 5.3.3) shall be controlled together with scheduling and resource allocation		
CommonSearchSpaceFormat	integer (2, 3)	opt	PDCCH format for common search space; acc. to TS 36.213, clause 9.1.1 only aggregation level 4 and 8 are allowed (i.e. PDCCH format 2 and 3)
UeSpecificSearchSpaceFormat	integer (0, 1, 2, 3)	opt	UE specific search space: corresponding aggregation levels 1, 2, 4, 8
PdcchCandidateList	<a href="#">PdcchCandidateList_Type</a>	opt	PDCCH candidate list acc. to table 7.1.1-1 in TS 36.523-3
RelativeTxPower	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	power ratio for PDCCH's resource elements relative to the RS

**PdschRelativeTxPower\_Type**

TTCN-3 Record Type			
Name	PdschRelativeTxPower_Type		
Comment	NOTE 1: the power control for the PDSCH is assumed to be (semi-)static for signalling conformance tests acc. to TS 36.323; nevertheless for different channels and purposes with the PDSCH there may be different power settings; NOTE 2: acc. to TS 36.213, clause 5.2 the EPRE ratio is different in time domain for OFDM symbols containing or not containing reference signals; this needs to be considered by SS		
RachResponse	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	
BcchOnPdsch	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	
PcchOnPdsch	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	
CcchOnPdsch	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	
DcchDtchOnPdsch	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	

**PdschConfig\_Type**

TTCN-3 Record Type			
Name	PdschConfig_Type		
Comment			
RelativeTxPower	<a href="#">PdschRelativeTxPower_Type</a>	opt	

## D.1.3.2.3 Physical\_Signals

**PrimarySyncSignal\_Type**

TTCN-3 Record Type			
Name	PrimarySyncSignal_Type		
Comment			
RelativeTxPower	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	power ratio for PSS's resource elements relative to the RS

### SecondarySyncSignal\_Type

TTCN-3 Record Type			
Name	SecondarySyncSignal_Type		
Comment			
RelativeTxPower	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	power ratio for PSS's resource elements relative to the RS

### SRS\_UL\_Config\_Type

TTCN-3 Record Type			
Name	SRS_UL_Config_Type		
Comment			
Common	<a href="#">SoundingRS_UL_ConfigCommon_Type</a>		
Dedicated	<a href="#">SoundingRS_UL_ConfigDedicated_Type</a>		

### PhysicalLayerConfigDL\_Type

TTCN-3 Record Type			
Name	PhysicalLayerConfigDL_Type		
Comment	all fields are declared as optional to allow single reconfigurations; in this case omit means "keep as it is"		
AntennaGroup	<a href="#">DownlinkAntennaGroupConfig_Type</a>	opt	
Pbch	<a href="#">PbchConfig_Type</a>	opt	
Pcfich	<a href="#">PcfichConfig_Type</a>	opt	
Phich	<a href="#">PhichConfig_Type</a>	opt	
Pdcch	<a href="#">PdcchConfig_Type</a>	opt	
Pdsch	<a href="#">PdschConfig_Type</a>	opt	
Pss	<a href="#">PrimarySyncSignal_Type</a>	opt	
Sss	<a href="#">SecondarySyncSignal_Type</a>	opt	
CSI_RS_Config	<a href="#">CSI_RS_Config_Type</a>	opt	Mandatory to be configured in CA PCell; in other cells if present SS shall ignore it but shall apply the configuration if the cell is promoted as PCell later on.
Pmch	PmchConfig_Type	opt	Same power offset for all PMCH carrying MCCH or MTCH

## D.1.3.3 Uplink\_Physical\_Layer\_Configuration

Uplink physical channel configuration: PRA CH, PUCCH, PUSCH and UL RS

### PUCCH\_Configuration\_Type

TTCN-3 Record Type			
Name	PUCCH_Configuration_Type		
Comment			
Common	<a href="#">PUCCH_ConfigCommon_Type</a>	opt	
Dedicated	<a href="#">PUCCH_ConfigDedicated_Type</a>	opt	

### PUSCH\_Configuration\_Type

TTCN-3 Record Type			
Name	<b>PUSCH_Configuration_Type</b>		
Comment			
Common	<a href="#">PUSCH_ConfigCommon_Type</a>	opt	
Dedicated	<a href="#">PUSCH_ConfigDedicated_Type</a>	opt	

### SS\_TimingAdvanceConfig\_Type

TTCN-3 Union Type		
Name	<b>SS_TimingAdvanceConfig_Type</b>	
Comment		
InitialValue	<a href="#">RACH_TimingAdvance_Type</a>	initial value corresponding to what is sent to the UE in RACH response (range acc. 11 bit value; 0 in normal cases)
Relative	<a href="#">TimingAdvanceIndex_Type</a>	timing advance command to adjust changes of timing advance acc. to TS 36.213, clause 4.2.3; (range acc. 6 bit value: -31..32)

### PhysicalLayerConfigUL\_Type

TTCN-3 Record Type			
Name	<b>PhysicalLayerConfigUL_Type</b>		
Comment	NOTE: For the time being there is no requirement to configure the SS with TPC-PDCCH-Config; In general SS is required to keep the UE's UL power constant		
Prach	<a href="#">PRACH_Config_Type</a>	opt	parameters acc. TS 36.331, clause 6.3.2; in general depending on FDD/TDD (see TS 36.211, clause 5.7)
Pucch	<a href="#">PUCCH_Configuration_Type</a>	opt	parameters acc. TS 36.331, clause 6.3.2
Pusch	<a href="#">PUSCH_Configuration_Type</a>	opt	parameters acc. TS 36.331, clause 6.3.2 (including configuration of RS)
TimingAdvance	<a href="#">SS_TimingAdvanceConfig_Type</a>	opt	to adjust timing advance; normally timing advance is configured as 0 at the beginning and never changed during the test case; in some MAC test cases timing advance may be configured to a non-zero (11 bit value) at the beginning and modified by (6 bit) timing advance commands during the test
SRS_UL_Config	<a href="#">SRS_UL_Config_Type</a>	opt	sounding reference symbol (SRS); -> TS 36.213, clause 8.2, TS 36.211, clause 5.5.3
SR_Config	<a href="#">SchedulingRequestConfig_Type</a>	opt	PUCCH resources for scheduling requests acc. to TS 36.213 table 10.15; as signalled to the UE acc. to TS 36.331, clause 6.3.2
CQI_ReportConfig	<a href="#">CQI_ReportConfig_Type</a>	opt	
UplinkPowerControlCommon	<a href="#">UplinkPowerControlCommon_Type</a>	opt	
UplinkPowerControlDedicated	<a href="#">UplinkPowerControlDedicated_Type</a>	opt	

## D.1.3.4 Common\_MAC\_Configuration

Transport channel and MAC related procedures and configuration

## Common\_MAC\_Configuration: Basic Type Definitions

TTCN-3 Basic Types		
<b>ImcsValue_Type</b>	integer (0..31)	Modulation and coding scheme index coding
<b>TimingAdvanceIndex_Type</b>	integer (0..63)	acc. to TS 36.321, clause 6.1.3.5 "Timing Advance Command MAC Control Element" and TS 36.213, clause 4.2.3 "Transmission timing adjustments"
<b>TimingAdvance_Period_Type</b>	integer (400, 600, 1020, 1530, 2040, 4090, 8190)	the values correspond to 80 % of TimeAlignmentTimer (acc. to TS 36.523-3, clause 7.2) (TS 36.331, clause 6.3.2: sf500, sf750, sf1280, sf1920, sf2560, sf5120, sf10240) rounded to nearest multiple of 10

## RedundancyVersionListDL\_Type

TTCN-3 Record of Type	
<b>Name</b>	<b>RedundancyVersionListDL_Type</b>
<b>Comment</b>	NOTE: in general the list shall contain maxHARQ-Tx elements; if there are not enough elements specified SS shall raise an error; per default the list is configured to 0,2,3,1,0 (TS 36.321, clause 5.4.2.2)
record length (1..28) of <a href="#">RedundancyVersion_Type</a>	

## UL\_TransRetransmission\_Type

TTCN-3 Union Type		
<b>Name</b>	<b>UL_TransRetransmission_Type</b>	
<b>Comment</b>		
NewTransmission	<a href="#">Null_Type</a>	new transmission of data with redundancy version RV=0 (acc. to TS 36.321 clause 5.4.2.2); NDI is toggled
RetransmissionAdaptive	<a href="#">RedundancyVersion_Type</a>	SS assigns grant to requests retransmission of data with given redundancy version; NDI is not toggled
RetransmissionNonAdaptive	<a href="#">Null_Type</a>	place holder for non-adaptive retransmissions; SS does not send any grant

## UL\_TransRetransmissionList\_Type

TTCN-3 Record of Type	
<b>Name</b>	<b>UL_TransRetransmissionList_Type</b>
<b>Comment</b>	list of transmission and subsequent retransmissions: in UL retransmissions are synchronous (every 8 TTIs for FDD); independent from the HARQ_ModeList SS shall send grants for every adaptive retransmissions; in case of non-adaptive retransmissions SS simply does not send a grant (i.e. RetransmissionNonAdaptive elements are used to adjust timing of the adaptive retransmissions only)
record length (1..28) of <a href="#">UL_TransRetransmission_Type</a>	

## Imcs\_Type

TTCN-3 Union Type		
<b>Name</b>	<b>Imcs_Type</b>	
<b>Comment</b>		
Value	<a href="#">ImcsValue_Type</a>	
NotUsed	<a href="#">Null_Type</a>	

**ULGrant\_Period\_Type**

TTCN-3 Union Type		
Name	<b>ULGrant_Period_Type</b>	
Comment		
OnlyOnce	<a href="#">Null_Type</a>	grant is sent out only once; no period
Duration	integer (1..infinity)	duration of the grant period (TTI=1ms); for TDD the starting time and periodicity need to be chosen in TTCN so that the grants are assigned at valid subframes only; otherwise SS shall raise an error

**TransmissionRepetition\_Type**

TTCN-3 Union Type		
Name	<b>TransmissionRepetition_Type</b>	
Comment		
Continuous	<a href="#">Null_Type</a>	
NumOfCycles	integer (1..infinity)	

**PUCCH\_AutoSynch\_Type**

TTCN-3 Record Type		
Name	<b>PUCCH_AutoSynch_Type</b>	
Comment		
TimingAdvance	<a href="#">TimingAdvanceIndex_Type</a>	
TA_Period	<a href="#">TimingAdvance_Period_Type</a>	time period after which TA MAC control elements need to be automatically transmitted
TA_Repetition	<a href="#">TransmissionRepetition_Type</a>	number of TA MAC control element repetitions to be automatically transmitted or 'Continuous'

**PUCCH\_Synch\_Type**

TTCN-3 Union Type		
Name	<b>PUCCH_Synch_Type</b>	
Comment		
None	<a href="#">Null_Type</a>	no PUCCH Synchronisation applied
Auto	<a href="#">PUCCH_AutoSynch_Type</a>	SS automatically maintains PUCCH synchronization at UE

### FreqDomainSchedulCommon\_Type

TTCN-3 Record Type			
Name	FreqDomainSchedulCommon_Type		
Comment	<p>common type to specify restrictions for frequency domain scheduling by a start index and a maximum range of RBs;  in general the resource allocation refers to virtual resource blocks:  - format 1A (localised):  FirstRbIndex refers to the first physical RB; the RBs are subsequent (upto MaxRbCnt RBs);  may be applied for all kind of channels  - format 1C (distributed):  FirstRbIndex refers to the first virtual RB; the virtual RBs are subsequent (upto MaxRbCnt RBs)  but mapped (distributed) to physical resource; typically applied on BCCH, PCCH and RAR  - format 1 (localised):  FirstRbIndex refers to the first physical RB; RBs are not consecutive;  SS needs to provided bitmap of RBs (see TS 36.523-3) to cope with mapping of virtual resource allocation (format 1C) applied on other channels;  typically there are either  - all channels having format 1A (localised)  - BCCH, PCCH and RAR having format 1C (distributed) + DTCH/DCCH having format 1</p>		
FirstRbIndex	integer		<p>index of the first (vital) resource block in frequency domain;  0 .. N(UL/DL, RB) - 1;  NOTE:  DCI format 1C refers to a virtual RB allocation i.e. the resource block index;  differs from the physical resource allocation  where the RBs are distributed over the whole frequency bandwidth (TS 36.213, clause 7.1.6.3)</p>
MaxRbCnt	integer		<p>max. number of resource blocks to be assigned;  FirstRbIndex + MaxRbCnt &lt;= N(UL/DL, RB);  SS shall not assigned more than the given resource blocks to the respective channel  (i.e. MaxRbCnt is the upper bound);  if the the configuration for a channel exceeds the total bandwidth  this is a TTCN error  (=&gt; SS shall raise an error)</p>

### FreqDomainSchedulExplicit\_Type

TTCN-3 Record Type			
Name	FreqDomainSchedulExplicit_Type		
Comment	<p>type used for explicit DL scheduling; Nprb is the exact number of RBs whereas in FreqDomainSchedulCommon_Type MaxRbCnt is the upper bound</p>		
FirstRbIndex	integer		<p>index of the first resource block in frequency domain;  0 .. N(UL/DL, RB) - 1</p>
Nprb	integer		<p>number of resource blocks to be assigned;</p>

### PdcchDciFormat\_Type

TTCN-3 Enumerated Type	
Name	PdcchDciFormat_Type
Comment	<p>DCI format acc. to TS 36.212, clause 5.3.3.1;  SS shall apply physical parameters accordingly as specified in TS 36.508, clause 4.3.6</p>
dci_0	physical layer parameters acc. TS 36.508 Table 4.3.6.1.1-1
dci_1	physical layer parameters acc. TS 36.508 Table 4.3.6.1.2-1
dci_1A	physical layer parameters acc. TS 36.508 Table 4.3.6.1.3-1
dci_1B	
dci_1C	physical layer parameters acc. TS 36.508 Table 4.3.6.1.4-1
dci_1D	
dci_2	physical layer parameters acc. TS 36.508 Table 4.3.6.1.5-1
dci_2A	physical layer parameters acc. TS 36.508 Table 4.3.6.1.6-1
dci_3	
dci_3A	

**PdcchResourceAllocation\_Type**

TTCN-3 Enumerated Type	
Name	PdcchResourceAllocation_Type
Comment	Resource allocation acc. TS 36.213, clause 7.1.6
ra_0	
ra_1	
ra_2_Localised	=> physical and virtual RB index are identical
ra_2_Distributed	=> virtual resource allocation

**MIMO\_PrecodingBits\_Type**

TTCN-3 Union Type		
Name	MIMO_PrecodingBits_Type	
Comment	Number of bits for precoding information acc. TS 36.212, table 5.3.3.1.5-3 and 5.3.3.1.5A-1	
None	<a href="#">Null_Type</a>	DCI 2A: 2 antenna ports at eNodeB (table 5.3.3.1.5A-1)
Bit2	<a href="#">B2_Type</a>	DCI 2A: 4 antenna ports at eNodeB (table 5.3.3.1.5A-1)
Bit3	<a href="#">B3_Type</a>	DCI 2: 2 antenna ports at eNodeB (table 5.3.3.1.5-3)
Bit6	<a href="#">B6_Type</a>	DCI 2: 4 antenna ports at eNodeB (table 5.3.3.1.5-3)

**MIMO\_DciDlInfo\_Type**

TTCN-3 Record Type			
Name	MIMO_DciDlInfo_Type		
Comment	additional information for DL DCI in case of MIMO (i.e. when a 2nd CW is specified)		
RedundancyVersionList_2ndCW	<a href="#">RedundancyVersionListDL_Type</a>	opt	list of Redundancy version for 2nd code word; shall have the same length as RedundancyVersionList_1stCW; if omit, for the 2nd CW the same RedundancyVersionList shall be applied as for the 1st CW
CodeWordSwapFlag	<a href="#">B1_Type</a>		transport block to codeword mapping acc. to TS 36.212 Table 5.3.3.1.5-1
PrecodingBits	<a href="#">MIMO_PrecodingBits_Type</a>		precoding information acc. TS 36.212, table 5.3.3.1.5-3 and 5.3.3.1.5A-1



## DciDlInfoCommon\_Type

TTCN-3 Record Type		
Name	DciDlInfoCommon_Type	
Comment	used for normal DL scheduling acc. to TS 36.523-3, clause 7.3	
Format	<a href="#">PdcchDciFormat_Type</a>	BCCH, PCCH and RACH Response: 1A or 1C (TS 36.213, clause 7.1) CCCH: 1A since transmission mode is not (may not be) configured at the UE yet (TS 36.213, clause 7.1) DTCH/DCCH: depending on transmission mode
ResourceAlloc Type	<a href="#">PdcchResourceAllocation_Type</a>	depends on DCI format, e.g. ra_2_Localised or ra_2_Distributed for DCI format 1A
Modulation_1st CW	<a href="#">Modulation_Type</a>	max. modulation scheme for the 1st code word; depending on the amount of data a lower modulation scheme may be by SS but not a higher one; BCCH, PCCH and RACH Response: QPSK only
Modulation_2nd CW	<a href="#">Modulation_Type</a>	modulation scheme for 2nd code word in case of spatial multiplexing; can be different than 1st code word (see TS 36.211, clause 6.3.2; TS 36.212, clause 5.3.3.1.5); 'unused' when there is no spatial multiplexing; NOTE: Acc. to 36.523-3 cl. 7.3.3.4 in normal mode MIMO shall not be used => for the time being Modulation_2ndCW is always "unused"
FreqDomainScheduling	<a href="#">FreqDomainScheduling_Type</a>	index of 1st RB; max. number of RBs per TTI; NOTE: in case of DCI format 1C the first RB index has no meaning since distributed virtual resource blocks assigned in this case (TS 36.213, clause 7.1.6.3)
RedundancyVersionList	<a href="#">RedundancyVersionListDL_Type</a>	list of Redundancy version to be used in case of retransmission; the number of elements in the list provides the maxHARQ-Tx

## DciDlInfoExplicit\_Type

TTCN-3 Record Type		
Name	DciDlInfoExplicit_Type	
Comment	used for explicit DL scheduling acc. to TS 36.523-3, clause 7.3	
Imcs_1stCW	<a href="#">Imcs_Type</a>	MCS index of table 7.1.7.1-1 of TS 36.213
Imcs_2ndCW	<a href="#">Imcs_Type</a>	MCS index for the 2nd code word in case of MIMO; 'NotUsed' when MIMO is not used
Format	<a href="#">PdcchDciFormat_Type</a>	
ResourceAlloc Type	<a href="#">PdcchResourceAllocation_Type</a>	
FreqDomainScheduling	<a href="#">FreqDomainSchedulingExplicit_Type</a>	
RedundancyVersionList	<a href="#">RedundancyVersionListDL_Type</a>	list of Redundancy version to be used in case of retransmission the number of elements in the list provides the maxHARQ-Tx
MimoInfo	<a href="#">MIMO DciDlInfo_Type</a>	opt shall be present when Imcs_2ndCW specifies a 2nd CW to be used; shall be omit when Imcs_2ndCW is 'NotUsed'

## DciDlInfo\_Type

TTCN-3 Union Type		
Name	DciDlInfo_Type	
Comment		
Auto	<a href="#">DciDlInfoCommon_Type</a>	SS shall chose the appropriate TBS up to the maximim number of resource blocks
Explicit	<a href="#">DciDlInfoExplicit_Type</a>	used in MAC or RAB tests where exact TBS needs to be specified

## DciUlInfo\_Type

TTCN-3 Record Type		
Name	DciUlInfo_Type	
Comment		
Imcs	<a href="#">Imcs_Type</a>	MCS index of table 8.6.1-1 of TS 36.213
TransRetransmissionList	<a href="#">UL_TransRetransmissionList_Type</a>	list of possible retransmissions and their redundancy versions (depending on being adaptive or non-adaptive); the list shall <ul style="list-style-type: none"> <li>- start with</li> <li>- "New Transmission" (normal case) or</li> <li>- "Adaptive Retransmission" (e.g. to request a retransmission even when the data has been acknowledged with a HARQ ACK)</li> <li>- end with "Adaptive Retransmission" (if there are retransmissions)</li> </ul> NOTE1: TTCN implementation shall ensure that a reconfiguration is done not before the previous list has been fully processed NOTE2: for normal operation the list contains only one NewTransmission element (i.e. possible retransmissions are non-adaptive)
FreqDomainSchedule	<a href="#">FreqDomainScheduleExplicit_Type</a>	

## PeriodicGrant\_Type

TTCN-3 Record Type		
Name	PeriodicGrant_Type	
Comment		
Period	<a href="#">ULGrant_Period_Type</a>	time period after which UL Grant need to be automatically transmitted or 'OnlyOnce'
NoOfRepetitions	<a href="#">TransmissionRepetition_Type</a>	number of UL Grant repetitions to be automatically transmitted or continuous repetition

## UL\_GrantConfig\_Type

TTCN-3 Union Type		
Name	UL_GrantConfig_Type	
Comment		
OnSR_Reception	<a href="#">Null_Type</a>	SS transmits UL Grant as configured by CommonDciInfoUL_Type at every reception of SR; to be used in non L2 Test
Periodic	<a href="#">PeriodicGrant_Type</a>	SS transmits UL Grant as configured by CommonDciInfoUL_Type periodically; to be used in L2 tests; MAC tests testing Grants might set the period as infinite and num grant as 1
None	<a href="#">Null_Type</a>	disable any grant transmission

## D.1.3.5 Random\_Access\_Procedure

## EUTRA\_ASP\_TypeDefs: Constant Definitions

TTCN-3 Basic Types			
tsc_RandomAccessResponseListSize	integer	10	arbitrary value (needs to be extended, if necessary); in case of RACH in idle, UE will keep on making RACH attempts until t300 expires => number of PRACH preambles maybe even greater than maximum value of PREAMBLE_TRANS_MAX

## Random\_Access\_Procedure: Basic Type Definitions

TTCN-3 Basic Types		
RACH_TimingAdvance_Type	integer (0..2047)	11 bit timing advance as used in RACH response (absolute value)

## UplinkGrant\_Type

TTCN-3 Record Type			
Name	UplinkGrant_Type		
Comment	TS 36.213, clause 6.2		
HoppingFlag	<a href="#">B1_Type</a>		Hopping flag
RB_Allocation	<a href="#">B10_Type</a>		Fixed size resource block assignment
ModAndCodScheme	<a href="#">B4_Type</a>		Truncated modulation and coding scheme
TPC_Command	<a href="#">B3_Type</a>		TPC command for scheduled PUSCH
UL_Delay	<a href="#">B1_Type</a>		UL delay
CQI_Req	<a href="#">B1_Type</a>		CQI request

## ContentionResolution\_ContainedRlcPdu\_Type

TTCN-3 Union Type		
Name	ContentionResolution_ContainedRlcPdu_Type	
Comment		
RlcPdu	octetstring	octetstring of an RLC PDU containing e.g. the RRC Connection Setup; to be sent in the same MAC PDU as the MAC Contention Resolution Control Element
None	<a href="#">Null_Type</a>	MAC PDU containing the MAC Contention Resolution Control Element does not contain an RLC PDU (i.e. RRC Connection Setup is sent in another PDU)

### ContentionResolution\_ContainedId\_Type

TTCN-3 Union Type		
Name	ContentionResolution_ContainedId_Type	
Comment		
XorMask	<a href="#">ContentionResolutionId_Type</a>	When SS receives Contention Resolution ID from the UE, SS shall XOR it with the given mask and use this as Contention Resolution ID; this allows to get an unmatching Contention Resolution ID; in normal cases mask shall be set to tsc_ContentionResolutionId_Unchanged (i.e. the Contention Resolution ID remains unchanged)
None	<a href="#">Null_Type</a>	MAC Contention Resolution Control Element is not contained in the MAC PDU sent out as response on Msg3

### TCRNTI\_ContentionResolutionMacPdu\_Type

TTCN-3 Record Type		
Name	TCRNTI_ContentionResolutionMacPdu_Type	
Comment	NOTE: Either ContainedId or ContainedRlcPdu (or both) shall not be 'none'; (if no Contention Resolution Mac Pdu shall be sent, TCRNTI_ContentionResolutionCtrl_Type.NoContResolID shall be used instead)	
ContainedId	<a href="#">ContentionResolution_ContainedId_Type</a>	Either the Contention Resolution ID as received from the UE or a modified Contention Resolution ID (XorMask != tsc_ContentionResolutionId_Unchanged) or no Contention Resolution ID at all
ContainedRlcPdu	<a href="#">ContentionResolution_ContainedRlcPdu_Type</a>	the MAC PDU containing the MAC Contention Resolution Control Element may contain the RRC Connection Setup; in this case the RRC PDU shall be completely encoded been contained in an RLC PDU

### TCRNTI\_ContentionResolutionCtrl\_Type

TTCN-3 Union Type		
Name	TCRNTI_ContentionResolutionCtrl_Type	
Comment	when the UE responds on a Random Access Response with a RRC Connection Request on CCCH and not with a C-RNTI SS shall assume initial Random Access Procedure (TS 36.300, clause 10.1.5.1), i.e. sends a ContentionResolutionId back to the UE	
MacPdu	<a href="#">TCRNTI_ContentionResolutionMacPdu_Type</a>	MAC PDU containing the Contention Resolution ID and optionally an RRC PDU (RRC Connection Setup)
MacPdu_CRC_Error	<a href="#">TCRNTI_ContentionResolutionMacPdu_Type</a>	same as MacPdu (see above), but SS shall generate CRC error by toggling CRC bits; no retransmissions shall be made as UE shall not send a NACK
NoContResolID	<a href="#">Null_Type</a>	SS shall not include contention resolution ID (i.e. no MAC PDU shall be sent); used for contention resolution fail case

**CRNTI\_ContentionResolutionCtrl\_Type**

TTCN-3 Union Type		
Name	<b>CRNTI_ContentionResolutionCtrl_Type</b>	
Comment	configuration for Random Access Procedure in RRC_CONNECTED (see TS 36.300, clause 10.1.5.1); when SS receives C-RNTI MAC element sent by the UE after Random Access Response, SS shall deal with the C-RNTI as specified in this structure	
AutomaticGrant	<a href="#">DciUInfo_Type</a>	before expiry of the contention resolution timer SS shall automatically address PDCCH using C-RNTI as sent by the UE; the UL grant is specified acc. to DciUInfo_Type
None	<a href="#">Null_Type</a>	Used in case of dedicated preamble transmission or to simulate failure cases; SS shall not address PDCCH using C-RNTI => expiry of contention resolution timer on UE side

**ContentionResolutionCtrl\_Type**

TTCN-3 Union Type		
Name	<b>ContentionResolutionCtrl_Type</b>	
Comment	NOTE: SS only needs to consider one kind of contention resolution at one time; in the initial configuration of a cell TCRNTI_Based shall be configured and the common assumption is that in RRC_CONNECTED normally there are no RACH procedures (i.e. no CRNTI_Based configuration needed) whereas e.g. in case of handover scenarios CRNTI_Based shall be configured	
TCRNTI_Based	<a href="#">TCRNTI_ContentionResolutionCtrl_Type</a>	TCRNTI based contention resolution (e.g. initial access), hence involves inclusion contention resolution identity in DL message 4 of RACH procedure
CRNTI_Based	<a href="#">CRNTI_ContentionResolutionCtrl_Type</a>	CRNTI based contention resolution (e.g. in case UE is being in RRC_CONNECTED): hence uplink message in step 3 (of RACH procedure) is followed by PDCCH transmission with UE C-RNTI to end procedure

**RapidCtrl\_Type**

TTCN-3 Union Type		
Name	<b>RapidCtrl_Type</b>	
Comment		
Automatic	<a href="#">Null_Type</a>	SS shall automatically use same RAPID as received from the UE
Unmatched	<a href="#">Null_Type</a>	SS shall use RAPID being different from preamble sent by the UE; SS shall calculate this RAPID acc. to $RAPID := (RAPID + 3..63) \bmod 64$ if single RAR is transmitted in a MAC PDU then only 3 is added if multiple RAR's are transmitted in MAC PDU, then for first unmatched RAR 3 is added, second unmatched 4 is added, third unmatched 5 is added and so on

## TempC\_RNTI\_Type

TTCN-3 Union Type		
Name	TempC_RNTI_Type	
Comment		
SameAsC_RNTI	<a href="#">Null_Type</a>	in the RA response SS shall use the same C-RNTI as configured in ActiveCellConfig_Type; this is useful for initial random access
Explicit	C_RNTI	in the RA response SS shall use different value as configured in ActiveCellConfig_Type; this can be used when the UE already is in RRC_CONNECTED to have a temporary C-RNTI different from the one used by the UE; NOTE: when the UE is not in RRC_CONNECTED there shall be no explicit temp. C-RNTI since then the UE would assume this value as C-RNTI

## RandomAccessResponseParameters\_Type

TTCN-3 Record Type		
Name	RandomAccessResponseParameters_Type	
Comment	parameters to control content of RAR sent to the UE	
Rapid	<a href="#">RapidCtrl_Type</a>	to control Random Access Preamble Id to be sent back to the UE; used in RAR MAC sub-header
InitialGrant	<a href="#">UplinkGrant_Type</a>	initial UL grant
TimingAdvance	<a href="#">RACH_TimingAdvance_Type</a>	timing advance: granularity of 0.52 micro sec (16*Ts); see TS 36.300, clause 5.2.7.3, TS 36.321, clause 6.1.3.5; NOTE: timing advance has impact not only on the RA procedure; SS in general needs to adjust its timing accordingly
TempC_RNTI	<a href="#">TempC_RNTI_Type</a>	NOTE: For initial Random Access Procedure at network (SS) side there is no temporary C-RNTI: network assigns the C-RNTI which is used by any UE as being temporary; the UE which 'wins' the contention resolution keeps the (temporary) C-RNTI; other UEs need to repeat the RACH procedure; => at the SS the TempC_RNTI shall be 'SameAsC_RNTI' For Random Access Procedure in RRC_CONNECTED state the NW assigns a temporary C-RNTI which is replaced by the one stored at the UE; => TempC_RNTI may be 'SameAsC_RNTI' (in this case temp. C-RNTI and C-RNTI are equal what is not likely in a real network), or there is an explicit temp. C-RNTI what is used during RA procedure only (as in a real network)

## RarList\_Type

TTCN-3 Record of Type	
Name	RarList_Type
Comment	in general MAC PDU may contain one or several RARs; normally only one RAR is contained
record of <a href="#">RandomAccessResponseParameters_Type</a>	

**RandomAccessResponse\_Type**

TTCN-3 Union Type		
Name	<b>RandomAccessResponse_Type</b>	
Comment		
None	<a href="#">Null_Type</a>	used for unsuccessful RA procedure
List	<a href="#">RarList_Type</a>	normally one RAR to be sent to the UE; in general there can be more than one RAR

**RandomAccessBackoffIndicator\_Type**

TTCN-3 Union Type		
Name	<b>RandomAccessBackoffIndicator_Type</b>	
Comment		
None	<a href="#">Null_Type</a>	normal case, no back off indicator included
Index	integer (0..15)	Backoff Parameter values acc. TS 36.321, clause 7.2; values 0..12 are defined, 13..15 may be used in error case

**RandomAccessResponseCtrl\_Type**

TTCN-3 Record Type		
Name	<b>RandomAccessResponseCtrl_Type</b>	
Comment	configuration for Random Access Response mapped to DL-SCH mapped to PDSCH TransmissionMode: single antenna mode when there is only one antenna configured, transmit diversit else; RNTI: RA-RNTI (TS 36.321, clause 7.1); if both RAR msg and backoff indicator are 'None' SS shall not respond on RAP	
DciInfo	<a href="#">DciDlInfoCommon_Type</a>	DCI format: 1A or 1C (TS 36.213, clause 7.1) ResourceAllocType: 2 (acc. to DCI format) Modulation: QPSK Frequency domain schedule: index of 1st RB; max. number of RBs per TTI
Rar	<a href="#">RandomAccessResponse_Type</a>	RAR to be sent to the UE
BackoffInd	<a href="#">RandomAccessBackoffIndicator_Type</a>	possible backoff indicator; 'None' for normal cases

**RandomAccessResponseConfig\_Type**

TTCN-3 Union Type		
Name	<b>RandomAccessResponseConfig_Type</b>	
Comment		
Ctrl	<a href="#">RandomAccessResponseCtrl_Type</a>	contains information to control sending of RAR
Ctrl_CRC_Error	<a href="#">RandomAccessResponseCtrl_Type</a>	same as Ctrl (see above), but MAC PDU transmitted will contain CRC bits (0-3) being toggled; no retransmissions shall be made as UE shall not send a NACK
None	<a href="#">Null_Type</a>	to be used when there is no RAR to be sent at all

## RachProcedure\_Type

TTCN-3 Record Type	
Name	RachProcedure_Type
Comment	
RAResponse	<a href="#">RandomAccessResponseConfig_Type</a> control of how the SS shall react on RA preamble; this may be - the RAP id as expected by the UE - a RAP id not matching to the UE's RAP - a backoff indicator - nothing at all
ContentionResolutionCtrl	<a href="#">ContentionResolutionCtrl_Type</a>

## RachProcedureList\_Type

TTCN-3 Record of Type	
Name	RachProcedureList_Type
Comment	<p>to simulate RACH procedure with one or more than one attempt by the UE:</p> <p>1. Normal cases:            one single RandomAccessResponse is sent to the UE matching the UE's RACH preamble;            contention resolution is successful immediately            =&gt; list contains only one element which is used for any RA procedure            (Even if a RACH procedure is repeated by the UE for any reason this element shall be used;            e.g. it needs not to be handled as error when the UE sends another RACH preamble instead of the RRC connection request message)</p> <p>2. Special cases:            there are upto tsc_RandomAccessResponseListSize preambles sent by the UE            =&gt; there are upto tsc_RandomAccessResponseListSize responses to be configured as elements of the list;            SS shall start with the first element in the list and use the RAR as specified in this element;            if the RAR matches at the UE side the UE will send UL data and contention resolution is performed as configured for this element;            if the RAR does not match the UE sends another RAP and SS continues with the next element in the list;            in this case the contention resolution of the respective element is not used;            if the end of the list is reached and further RACH preambles are sent by the UE SS shall repeatedly apply the last element of the list            (this is necessary because there might be not enough time to reconfigure SS after the end of the list has been reached and there shall be well-defined behaviour after the list has been processed);</p> <p>to change from a special mode to normal mode the RachProcedureList is reconfigured by TTCN to achieve transparency and readability of the code;</p> <p>NOTE:            when there are RACH_ConfigDedicated configured (see below) and the RA preamble matches with one the configured ones the contention resolution ctrl is obsolete (non contention based random access procedure)</p>
record length(1..tsc_RandomAccessResponseListSize) of <a href="#">RachProcedure_Type</a>	



## RachProcedureConfig\_Type

TTCN-3 Record Type			
Name	<b>RachProcedureConfig_Type</b>		
Comment	parameters to control the random access procedure; TS 36.321, clause 5.1		
RACH_ConfigCommon	<a href="#">RACH_ConfigCommon_Type</a>	opt	acc. TS 36.331, clause 6.3.2; may not be necessary for SS; omit: "keep as it is"
RACH_ConfigDedicated	<a href="#">RACH_ConfigDedicated_Type</a>	opt	acc. TS 36.331, clause 6.3.2; when random access preamble sent by the UE matches with the configured one, SS shall assume the random access procedure being non-contention based; initial configuration: no RACH_ConfigDedicated are configured; omit means "keep as it is"
RachProcedureList	<a href="#">RachProcedureList_Type</a>	opt	in normal cases there is one element which is used for any RA procedure; special cases are used in MAC test cases; omit means "keep as it is"

## D.1.3.6 System\_Information\_Control

Primitive to configuration BCCH/BCH

## System\_Information\_Control: Basic Type Definitions

TTCN-3 Basic Types		
BcchToPbchConfig_Type	<a href="#">Null_Type</a>	place holder for BCCH mapped to BCH mapped to PBCH: MIB using fixed scheduling (periodicity: 40ms); transmission mode: single antenna port configuration (layer mapping acc. TS 36.211, clause 6.3.3.1) or transmit diversity (layer mapping acc. TS 36.211, clause 6.3.3.3) depending on antenna configuration

## Sib1Schedul\_Type

TTCN-3 Record Type			
Name	<b>Sib1Schedul_Type</b>		
Comment	SIB1: fixed scheduling in time domain acc. TS 36.331, clause 5.2.1.2 (periodicity: 80ms; repetitions every 20ms)		
DciInfo	<a href="#">DciDInfoCommon_Type</a>	opt	DCI format: 1A or 1C (TS 36.213, clause 7.1) ResourceAllocType: 2 (acc. to DCI format) Modulation: QPSK Frequency domain schedule: index of 1st RB; max. number of RBs per TTI

## SingleSiSchedul\_Type

TTCN-3 Record Type			
Name	<b>SingleSiSchedul_Type</b>		
Comment	specifies scheduling for a single SI in freq and time domain		
DciInfo	<a href="#">DciDInfoCommon_Type</a>	opt	DCI format: 1A or 1C (TS 36.213, clause 7.1) ResourceAllocType: 2 (acc. to DCI format) Modulation: QPSK Frequency domain schedule: index of 1st RB; max. number of RBs per TTI
SubframeOffset	integer	opt	offset within the SI-window; NOTE: SI-window may span more than one frame

**SiSchedul\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>SiSchedul_Type</b>		
<b>Comment</b>	specifies for a specific SI scheduling and repetitions within as SI window		
Periodicity	<a href="#">SiPeriodicity_Type</a>	opt	
Window	record of <a href="#">SingleSiSchedul_Type</a>	opt	NOTE: acc. to TS 36.331, clause 5.2.1.2 the same SI may occur more than once in an SI-window; to allow this there is a "record of" even though acc. to TS 36.508, clause 4.4.3.3 all SIs are sent only once within the window

**SiSchedulList\_Type**

TTCN-3 Record of Type	
<b>Name</b>	<b>SiSchedulList_Type</b>
<b>Comment</b>	
record length(1..maxSI_Message) of <a href="#">SiSchedul_Type</a>	

**AllSiSchedul\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>AllSiSchedul_Type</b>		
<b>Comment</b>			
WindowLength	<a href="#">SiWindowLength_Type</a>	opt	to calculate start of each SI window acc. TS 36.331, clause 5.2.3
SiList	<a href="#">SiSchedulList_Type</a>	opt	list of scheduling info for the SIs containing one ore more SIBs
SegmentedSiList	<a href="#">SiSchedulList_Type</a>	opt	list of scheduling info for segmented SIs (e.g. SI containing SIB11); corresponds to SegmentedSIs in BcchInfo_Type: SS shall subsequently schedule the elements of the corresponding SegmentedSIs (BcchInfo_Type); e.g. SegmentedSiList[i] provided scheduling info for BcchInfo_Type's SegmentedSIs[i] and the kth element of SegmentedSIs[i] is sent at $T_0 + ((K * N) + k) * \text{periodicity}$ with K: number for segments $k = 0 \dots K-1$ $N = 0, 1, 2, \dots$ $T_0$ , peridicity: scheduling info as given by SegmentedSiList[i]

**BcchToPdschConfig\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>BcchToPdschConfig_Type</b>		
<b>Comment</b>	configuration for BCCH mapped to DL-SCH mapped to PDSCH TransmissionMode: single antenna mode when there is only one antenna configured, transmit diversity else; RNTI: SI-RNTI (TS 36.321, clause 7.1)		
Sib1Schedul	<a href="#">Sib1Schedul_Type</a>	opt	scheduling of SIB1 in frequency domain
SiSchedul	<a href="#">AllSiSchedul_Type</a>	opt	scheduling of SIs in frequency and time domain

**SI\_List\_Type**

TTCN-3 Record of Type	
<b>Name</b>	<b>SI_List_Type</b>
<b>Comment</b>	TS 36.331, clause 6.2.1 BCCH-DL-SCH-Message and clause 6.2.2 System Information
record of BCCH_DL_SCH_Message	

**SegmentedSI\_List\_Type**

TTCN-3 Record of Type	
<b>Name</b>	<b>SegmentedSI_List_Type</b>
<b>Comment</b>	Each element is a list of segments; used for SIB11/12 segmentation
record of <a href="#">SI_List_Type</a>	

**BcchInfo\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>BcchInfo_Type</b>		
<b>Comment</b>	all fields are declared as optional to allow modification of single field; acc. to TS 36.331, clause 9.1.1.1 "RRC will perform padding, if required due to the granularity of the TF signalling, as defined in 8.5."; therefore this needs to be done by the system simulator		
MIB	BCCH_BCH_Message	opt	TS 36.331, clause 6.2.1 BCCH-BCH-Message and clause 6.2.2 MasterInformationBlock; NOTE: the sequence number included in MIB needs to be handled and maintained by the system simulator; that means that the sequence number being setup by TTCN will be overwritten by SS
SIB1	BCCH_DL_SCH_Message	opt	TS 36.331, clause 6.2.1 BCCH-DL-SCH-Message and clause 6.2.2 SystemInformationBlockType1
SIs	<a href="#">SI_List_Type</a>	opt	list of SIs corresponding to SiList of AllSiSchedul_Type (i.e. element i of AllSiSchedul_Type's SiList specifies the scheduling for SIs[i])
SegmentedSIs	<a href="#">SegmentedSI_List_Type</a>	opt	list of SIs containing segmented SIBs; corresponds to SegmentedSiList in AllSiSchedul_Type

**BcchConfig\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>BcchConfig_Type</b>		
<b>Comment</b>	all fields are optional to allow single modifications; activation time may be applied in the common part of the ASP; NOTE 1: acc. to TS 36.331, clause 9.1.1.1 there is no PDCP and RLC/MAC are in TM NOTE 2: mapping/scheduling and contents of the System Information in general is done in one go (i.e. there are no separate ports for SIB data and configuration)		
Pbch	<a href="#">BcchToPbchConfig_Type</a>	opt	
Pdsch	<a href="#">BcchToPdschConfig_Type</a>	opt	
BcchInfo	<a href="#">BcchInfo_Type</a>	opt	

## D.1.3.7 Paging\_Control

Primitive to configuration PCCH/PCH

### PcchConfig\_Type

TTCN-3 Record Type			
Name	PcchConfig_Type		
Comment	configuration for PCCH mapped to PCH mapped to PDSCH TransmissionMode: single antenna mode when there is only one antenna configured, transmit diversity else; RNTI: P-RNTI (TS 36.321, clause 7.1) NOTE: acc. to TS 36.331, clause 9.1.1.3 there is no PDCP and RLC/MAC are in TM		
DciInfo	<a href="#">DciDlInfoCommon_Type</a>	opt	DCI format: 1A or 1C (TS 36.213, clause 7.1) ResourceAllocType: 2 (acc. to DCI format) Modulation: QPSK Frequency domain schedule: index of 1st RB; max. number of RBs per TTI

## D.1.3.8 UE\_Specific\_Channel\_Configuration

### D.1.3.8.1 UE\_Specific\_Channel\_Configuration\_DL

Scheduling and other information for CCCH/DCCH/DTCH mapped to DL-SCH mapped to PDSCH

#### D.1.3.8.1.1 MIMO\_Configuration

Precoding information for spatial multiplexing (DCI format 2)

### PrecodingInfoForOneCodeWord\_Type

TTCN-3 Union Type		
Name	PrecodingInfoForOneCodeWord_Type	
Comment	NOTE: not all index values may make sense (e.g. the indices referring to the values reported by the UE)	
TwoAntennasClosedLoop	integer (0..6)	index acc. to TS 36.212 Table 5.3.3.1.5-2; RI = 1; transmit diversity or code book index 0..3 acc. TS 36.211 Table 6.3.4.2.3-1
FourAntennasClosedLoop	integer (0..34)	index acc. to TS 36.212 Table 5.3.3.1.5-3; RI = 1..2; transmit diversity or code book index 0..15 acc. TS 36.211 Table 6.3.4.2.3-2
TwoAntennasOpenLoop	<a href="#">Null_Type</a>	no precoding info; RI=1 when only codeword 1 is enabled
FourAntennasOpenLoop	integer (0..1)	index acc. to TS 36.212 Table 5.3.3.1.5-4 RI = 1..2; RI=1 => transmit diversity; RI=2 => large delay CDD

### PrecodingInfoForTwoCodeWords\_Type

TTCN-3 Union Type		
Name	PrecodingInfoForTwoCodeWords_Type	
Comment	NOTE: not all index values may make sense (e.g. the indices referring to the values reported by the UE)	
TwoAntennasClosedLoop	integer (0..2)	index acc. to TS 36.212 Table 5.3.3.1.5-2; RI = 2; code book index 1, 2 acc. TS 36.211 Table 6.3.4.2.3-1
FourAntennasClosedLoop	integer (0..50)	index acc. to TS 36.212 Table 5.3.3.1.5-3; RI = 2..4; code book index 0..15 acc. TS 36.211 Table 6.3.4.2.3-2
TwoAntennasOpenLoop	<a href="#">Null_Type</a>	no precoding info; RI=2 when both codewords are enabled
FourAntennasOpenLoop	integer (0..2)	index acc. to TS 36.212 Table 5.3.3.1.5-4 RI = 2..4; large delay CDD

**PrecodingInfoIndex\_Type**

TTCN-3 Union Type		
Name	<b>PrecodingInfoIndex_Type</b>	
Comment		
OneCodeWord	<a href="#">PrecodingInfoForOneCodeWord_Type</a>	only codeword 1 shall be enabled in the DCI
TwoCodeWords	<a href="#">PrecodingInfoForTwoCodeWords_Type</a>	both codewords shall be enabled in the DCI

**PrecodingOperationMode\_Type**

TTCN-3 Enumerated Type	
Name	<b>PrecodingOperationMode_Type</b>
Comment	how to determine precoding information for spatial multiplexing is signalled on PDCCH with DCI format 2 and 2A (TS 36.212, clause 5.3.3.1.5)
hardcoded	SS shall apply configured precoding info as configured regardless RI and PMI reported by the UE
automatic	SS shall apply configured precoding info as long as there are no RI and PMI reported by the UE; when there are RI and PMI reported by the UE these shall be used

**SpatialMultiplexingInfo\_Type**

TTCN-3 Record Type		
Name	<b>SpatialMultiplexingInfo_Type</b>	
Comment	NOTE: there may be codebookSubsetRestriction as signalled to the UE (TS 36.331, clause 6.3.2 AntennaInfoDedicated) to be considered	
OperationMode	<a href="#">PrecodingOperationMode_Type</a>	
PrecodingIndex	<a href="#">PrecodingInfoIndex_Type</a>	NOTE: contains information about number of code words to be used in DCI format 2

**HarqProcessConfigDL\_Type**

TTCN-3 Union Type		
Name	<b>HarqProcessConfigDL_Type</b>	
Comment	HARQ processes to be used automatically for DL assignments	
AllProcesses	<a href="#">Null_Type</a>	all HARQ processes shall be used for automatic assignment; this is the normal case
SpecificSubset	<a href="#">HarqProcessList_Type</a>	only the HARQ processes of this list shall be used automatically, other processes are excluded from automatic assignments; nevertheless all HARQ processes may be addressed explicitly by DRB_DataPerSubframe_DL_Type.HarqProcess

## CcchDcchDtchConfigDL\_Type

TTCN-3 Record Type			
Name	<b>CcchDcchDtchConfigDL_Type</b>		
Comment	configuration for CCCH/DCCH/DTCH mapped to DL-SCH mapped to PDSCH TransmissionMode: as signalled to the UE (AntennaInfoDedicated in RRCConnectionSetup); RNTI: C-RNTI (TS 36.321, clause 7.1); all fields optional (omit = "keep as it is") since DCI format and modulation may be changed during a test; for initial configuration all fields are mandatory		
DciInfo	<a href="#">DciDlInfo_Type</a>	opt	DCI format: 1A per default since for CCCH mimo cannot be applied in general ResourceAllocType: (depending on DCI format) Modulation: QPSK for signalling Frequency domain schedule: index of 1st RB; max. number of RBs per TTI; in case of spatial multiplexing if there are 2 code words FreqDomainSchedul shall be applied to both
AntennaInfo	<a href="#">AntennaInfoDedicated_Type</a>	opt	as signalled to the UE (TS 36.331, clause 6.3.2): transmissionMode, codebookSubsetRestriction
HarqProcessConfig	<a href="#">HarqProcessConfigDL_Type</a>	opt	HARQ processes automatically used by the SS in DL

## D.1.3.8.2 UE\_Specific\_Channel\_Configuration\_UL

Scheduling information for CCCH/DCCH/DTCH mapped to UL-SCH mapped to PUSCH

## PucchHoppingBits\_Type

TTCN-3 Union Type		
Name	<b>PucchHoppingBits_Type</b>	
Comment	Number of hopping bits acc. to TS 36.213 table 8.4-2	
OneBit	<a href="#">B1_Type</a>	N(UL, RB) = 6..49 i.e. default system bandwidth this less than 10 MHz (does not include 10 MHz)
TwoBits	<a href="#">B2_Type</a>	N(UL, RB) = 50..110 i.e. default system bandwidth is 10 MHz or above

## UplinkHoppingResourceParameters\_Type

TTCN-3 Record Type			
Name	<b>UplinkHoppingResourceParameters_Type</b>		
Comment			
PucchHopping	<a href="#">PucchHoppingBits_Type</a>		to control hopping resource allocation as signalled in DCI format 0 (TS 36.212, clause 5.3.3.1.1)

## UplinkHoppingControl\_Type

TTCN-3 Union Type		
Name	<b>UplinkHoppingControl_Type</b>	
Comment	shall be considered by SS to fill in the information needed for DCI format 0 (TS 36.213, clause 7.1)	
Deactivated	<a href="#">Null_Type</a>	
Activated	<a href="#">UplinkHoppingResourceParameters_Type</a>	

**CcchDcchDtchConfigUL\_Type**

TTCN-3 Record Type			
Name	<b>CcchDcchDtchConfigUL_Type</b>		
Comment	scheduling for CCCH/DCCH/DTCH mapped to UL-SCH mapped to PUSCH NOTE 1: for definition of the possible UL grants the location of the PUCCH (TS 36.211, clause 5.4.3) and the PRACH (TS 36.211, clause 5.7.3) need to be taken into account; NOTE 2: In contrast to the DL where the scheduling can be done (with consideration of some restrictions) by SS on a per need basis in the UL the scheduling depends on information provided by the UE: e.g. BSR (buffer status report), SR (scheduling request) see TS 36.523-3 clause 7.2 for further information.		
DciInfo	<a href="#">DciUInfo_Type</a>	opt	DCI format: 0 (TS 36.213, clause 7.1) ResourceAllocType: 2 (acc. to DCI format) Modulation: QPSK per default Frequency domain schedule: index of 1st RB; max. number of RBs per TTI (upper bound up to which SS may assign grants to the UE)
Hopping	<a href="#">UplinkHoppingControl_Type</a>	opt	when Hopping = 'Activated' SS shall set hopping flag in DCI format 0
PUCCH_Synch	<a href="#">PUCCH_Synch_Type</a>	opt	parameters to control automatic control of timing advance
UL_GrantConfig	<a href="#">UL_GrantConfig_Type</a>	opt	UL grant allocation to be applied

**DrxCtrl\_Type**

TTCN-3 Union Type		
Name	<b>DrxCtrl_Type</b>	
Comment	DRX configuration for connected mode (TS 36.321, clause 5.7)	
None	<a href="#">Null_Type</a>	DRX not configured
Config	<a href="#">DRX_Config_Type</a>	DRX is configured as signalled to the UE; NOTE: the release branch of DRX-Config in general is not used for configuration of the SS

**MeasGapCtrl\_Type**

TTCN-3 Union Type		
Name	<b>MeasGapCtrl_Type</b>	
Comment	support of measurement gap configuration	
None	<a href="#">Null_Type</a>	no measurement gap configuration
Config	<a href="#">MeasGapConfig_Type</a>	measurement gap configuration acc. to TS 36.331, clause 6.3.5 and gap pattern acc. TS 36.133 Table 8.1.2.1-1; NOTE: the release branch of MeasGapConfig in general is not used for configuration of the SS

## CcchDcchDtchConfig\_Type

TTCN-3 Record Type			
Name	CcchDcchDtchConfig_Type		
Comment			
MeasGapCtrl	<a href="#">MeasGapCtrl_Type</a>	opt	to tell the SS when no assignments/grants shall be assigned to the UE
DL	<a href="#">CcchDcchDtchConfigDL_Type</a>	opt	Scheduling, parameters related to CCCH, DCCH and DTCH in DL
UL	<a href="#">CcchDcchDtchConfigUL_Type</a>	opt	Scheduling, parameters related to CCCH, DCCH and DTCH in UL
DrxCtrl	<a href="#">DrxCtrl_Type</a>	opt	DRX configuration as sent to the UE (or 'None' when the UE does not support connected mode DRX)
TtiBundling	<a href="#">TTI_BundlingConfig_Type</a>	opt	TTI bundling as configured at the UE
CifPresence	boolean	opt	corresponds to PhysicalConfigDedicated.cif_Presence_r10: The CIF field is applied for dedicated search space scheduling i.e. DCCH/DTCH. Not present for common search space scheduling. CIF indicator as true may be configured even in non CA cell, to facilitate the future false: no serving cell is cross scheduled by this cell true: carrier indicator field is present when the PDCCH CRC is scrambled by C-RNTI or SPS C-RNTI omit means "keep as it is"

## D.1.3.9 Carrier\_Aggregation

## ActivateScell\_Type

TTCN-3 Record Type			
Name	ActivateScell_Type		
Comment			
ScellActivation	<a href="#">ScellBitMap_Type</a>		36.321 clause 6.1.3.8; B0=C7, B1=C6 .. B6=C1, B7 is reserved. B0 to B6, 1 means Activate associated Scell
SendMCE	boolean		If true the SS sends a MAC Control Element to the UE

## Scell\_Capability\_Type

TTCN-3 Enumerated Type	
Name	Scell_Capability_Type
Comment	
DLOnly	the CC is configured in DL only, no aggregation in this cell in UL
UL_DL	the aggregation is configured in both UL and DL

## ScellDeactivationTimer\_Type

TTCN-3 Union Type		
Name	ScellDeactivationTimer_Type	
Comment	NOTE: this type is a union to allow semantic of "keep as it is" for optional fields of this type	
NumberOfRadioFrames	<a href="#">MAC_MainConfig_ScellDeactivationTimer_Type</a>	SCell deactivation timer acc. to TS 36.321
1, #INF	<a href="#">Null_Type</a>	infinity as when 'ScellDeactivationTimer' is omitted in 'MAC-MainConfig' sent to the UE



**SCellIndexList\_List**

TTCN-3 Record of Type	
<b>Name</b>	<b>SCellIndexList_List</b>
<b>Comment</b>	
record length (1..7) of SCellIndex_r10	

**CrossCarrierScheduledCellsList\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>CrossCarrierScheduledCellsList_Type</b>	
<b>Comment</b>		
None	<a href="#">Null_Type</a>	No Cells Cross Scheduled by this Cell; CIF can still be true.
CrossScheduledCells	<a href="#">SCellIndexList_List</a>	List of Scells Scheduled by this Scell; CIF field shall be true; Pcell cannot be cross scheduled

**SchedulingCarrierConfig\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>SchedulingCarrierConfig_Type</b>	
<b>Comment</b>		
Own	<a href="#">CrossCarrierScheduledCellsList_Type</a>	Cell is scheduled by itself and possible cross schedules other Scells
CrossScheduled	<a href="#">CrossSchedulingCarrierInfo_Type</a>	Cell is cross Scheduled by other carrier; the CIF field shall be configured in the serving cell scheduling this scell

**CrossCarrierSchedulingConfig\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>CrossCarrierSchedulingConfig_Type</b>	
<b>Comment</b>		
Config	<a href="#">SchedulingCarrierConfig_Type</a>	When cross carrier scheduling is enabled then the CIF field shall be configured in the serving cell scheduling this scell
None	<a href="#">Null_Type</a>	

**PrimaryCellInfo\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>PrimaryCellInfo_Type</b>		
<b>Comment</b>			
AssociatedScellList	<a href="#">EUTRA_CellIdList_Type</a>		List of Scells associated with the Pcell (needs to be consistent with AssociatedPcellId in Scell)
MeasSubframePatternPCell	MeasSubframePatternPCell_r10	opt	
CrossCarrierScheduledCellsList	<a href="#">CrossCarrierScheduledCellsList_Type</a>	opt	Information of possible Cells Cross Scheduled by this cell

**SecondaryCellInfo\_Type**

TTCN-3 Record Type			
Name	SecondaryCellInfo_Type		
Comment			
AssociatedPcellId	<a href="#">EUTRA_CellId_Type</a>		cell ID of associated Pcell (eutra_Cell_NonSpecific is not allowed)
SCellIndex	SCellIndex_r10		
Scell_Capability	<a href="#">Scell_Capability_Type</a>	opt	if DL only or both UL and DL (omit means "keep as it is")
ScellDeactivationTimer	<a href="#">ScellDeactivationTimer_Type</a>	opt	SCell deactivation timer; omit means "keep as it is"; when there is more than one SCell associated to the same PCell this field shall be set to the same value for each SCell
CrossCarrierSchedulingConfig	<a href="#">CrossCarrierSchedulingConfig_Type</a>	opt	omit means "keep as it is"

**ServingCellConfig\_Type**

TTCN-3 Union Type			
Name	ServingCellConfig_Type		
Comment			
PCell	<a href="#">PrimaryCellInfo_Type</a>		cell shall become PCell
SCell	<a href="#">SecondaryCellInfo_Type</a>		cell shall become SCell
Release	<a href="#">Null_Type</a>		cell is changed back to normal non CA cell

**D.1.4 Cell\_Power\_Attenuation****CellAttenuationConfig\_Type**

TTCN-3 Record Type			
Name	CellAttenuationConfig_Type		
Comment			
CellId	<a href="#">EUTRA_CellId_Type</a>		
Attenuation	<a href="#">Attenuation_Type</a>		
TimingInfo	<a href="#">TimingInfo_Type</a>	opt	

**CellAttenuationList\_Type**

TTCN-3 Record of Type			
Name	CellAttenuationList_Type		
Comment			
record length(1.. <a href="#">tsc_EUTRA_MaxNumberOfCells</a> ) of <a href="#">CellAttenuationConfig_Type</a>			

**D.1.5 Radio\_Bearer\_Configuration**

Radio Bearer Configuration: SRBs/DRBs

## D.1.5.1 PDCP\_Configuration

## PDCP\_SNLength\_Type

TTCN-3 Enumerated Type	
Name	<b>PDCP_SNLength_Type</b>
Comment	PDCP Sequence Number
PDCP_SNLength5	TS 36.323 clause 6.2.2
PDCP_SNLength7	TS 36.323 clause 6.2.3
PDCP_SNLength12	TS 36.323 clause 6.2.4

## PDCP\_ROHC\_Mode\_Type

TTCN-3 Record Type	
Name	<b>PDCP_ROHC_Mode_Type</b>
Comment	
SN_Size	<a href="#">PDCP_SNLength_Type</a>

## PDCP\_NonROHC\_Mode\_Type

TTCN-3 Record Type	
Name	<b>PDCP_NonROHC_Mode_Type</b>
Comment	
SN_Size	<a href="#">PDCP_SNLength_Type</a>

## PDCP\_TestModelInfo\_Type

TTCN-3 Union Type		
Name	<b>PDCP_TestModelInfo_Type</b>	
Comment		
PDCP_ROHC_Mode	<a href="#">PDCP_ROHC_Mode_Type</a>	ROHC test mode acc. to TS 36.523-3, clause 4.2.1.3.1; requires PDCP to be configured for this RB => - SS applies ciphering in UL and DL - SS maintains PDCP sequence numbers and state variables Furthermore in this mode - SS does not add/remove PDCP headers (in UL the PDCP PDUs are decoded depending on SN_Size) - SS applies ROHC in DL only
PDCP_NonROHC_Mode	<a href="#">PDCP_NonROHC_Mode_Type</a>	PDCP test mode acc. to TS 36.523-3, clause 4.2.1.3.2 (non-ROHC test mode); requires PDCP to be configured as transparent => - SS does not apply ciphering in UL and DL - SS does not interpret, insert or remove PDCP headers (in UL PDCP PDUs are decoded depending on SN_Size) - SS does not maintain PDCP sequence numbers and state variables

## PDCP\_TestModeConfig\_Type

TTCN-3 Union Type	
Name	<b>PDCP_TestModeConfig_Type</b>
Comment	
None	<a href="#">Null_Type</a>
Info	<a href="#">PDCP_TestModelInfo_Type</a>

**PDCP\_RbConfig\_Type**

TTCN-3 Union Type		
Name	<b>PDCP_RbConfig_Type</b>	
Comment		
Srb	<a href="#">Null_Type</a>	for SRB1/2 there are no PDCP_Parameters; SN is always 5 bits
Drb	<a href="#">PDCP_Config_Type</a>	PDCP-Configuration acc. to TS 36.331, clause 6.3.2; among others for UM here pdcp-SN-Size is configured to be either len7bits or len12bits; for AM it always is 12bit
Transparent	<a href="#">Null_Type</a>	used for PDCP tests (TS 36.523-3, clause 4.2.1.3.2): the SS does not apply ciphering and does not maintain PDCP sequence numbers and state variables; in UL the PDCP PDUs are decoded acc. to the TestMode; Note: a reconfiguration of a RB from transparent mode to 'normal' mode is not foreseen (i.e. there is no mechanism to restore Ciphering, PDCP sequence numbers and state variables at the SS)

**PDCP\_ConfigInfo\_Type**

TTCN-3 Record Type			
Name	<b>PDCP_ConfigInfo_Type</b>		
Comment			
Rb	<a href="#">PDCP_RbConfig_Type</a>	opt	mandatory for initial configuration; omit means "keep as it is"
TestMode	<a href="#">PDCP_TestModeConfig_Type</a>	opt	mandatory for initial configuration; omit means "keep as it is"

**PDCP\_Configuration\_Type**

TTCN-3 Union Type		
Name	<b>PDCP_Configuration_Type</b>	
Comment		
None	<a href="#">Null_Type</a>	for SRB0 no PDCP is configured; furthermore the PDCP may not be configured e.g. for DRBs tested in MAC test cases
Config	<a href="#">PDCP_ConfigInfo_Type</a>	

**D.1.5.2 RLC\_Configuration**

RLC configuration: radio bearer specific

**RLC\_Configuration: Basic Type Definitions**

TTCN-3 Basic Types		
RLC_AM_SequenceNumber_Type	integer (0..1023)	RLC AM sequence number
SS_RLC_TM_Type	<a href="#">Null_Type</a>	TM to configure SRB0; no parameters to be defined

**RLC\_ACK\_Prohibit\_Type**

TTCN-3 Enumerated Type	
Name	<b>RLC_ACK_Prohibit_Type</b>
Comment	
Prohibit	cause SS RLC layer to stop any ACK transmission for UL PDU's received from UE
Continue	bring back the SS RLC in normal mode, where ACK/NACK are transmitted at polling

### RLC\_NotACK\_NextRLC\_PDU\_Type

TTCN-3 Enumerated Type	
Name	<b>RLC_NotACK_NextRLC_PDU_Type</b>
Comment	
Start	cause SS RLC layer not to ACK the next received RLC PDU; this is done regardless of whether the poll bit is set or not; Example [from UMTS]: when the UE gets new security information in a SECURITY MODE COMMAND the response (SECURITY MODE COMPLETE) sent by the UE is not acknowledged at the RLC level; this causes the UE to continue using the "old" security information

### RLC\_TestModelInfo\_Type

TTCN-3 Union Type		
Name	<b>RLC_TestModelInfo_Type</b>	
Comment		
AckProhibit	<a href="#">RLC_ACK_Prohibit_Type</a>	valid only when the RLC is configured in AM
NotACK_NextRLC_PDU	<a href="#">RLC_NotACK_NextRLC_PDU_Type</a>	valid only when the RLC is configured in AM
ModifyVTS	<a href="#">RLC_AM_SequenceNumber_Type</a>	to modify the VT(S) at SS: VT(S) at the SS side is set to this (absolute) value; valid only when the RLC is configured in AM
TransparentMode_UMDwith5BitSN	<a href="#">Null_Type</a>	shall be set when TTCN expects RLC PDUs as UMD in UL with an SN of 5 bits; valid only when the RLC is configured in TM
TransparentMode_UMDwith10BitSN	<a href="#">Null_Type</a>	shall be set when TTCN expects RLC PDUs as UMD in UL with an SN of 10 bits; valid only when the RLC is configured in TM
TransparentMode_AMD	<a href="#">Null_Type</a>	shall be set when TTCN expects RLC PDUs as AMD in UL; valid only when the RLC is configured in TM

### RLC\_TestModeConfig\_Type

TTCN-3 Union Type		
Name	<b>RLC_TestModeConfig_Type</b>	
Comment		
None	<a href="#">Null_Type</a>	
Info	<a href="#">RLC_TestModelInfo_Type</a>	

### SS\_RLC\_AM\_Type

TTCN-3 Record Type			
Name	<b>SS_RLC_AM_Type</b>		
Comment			
Tx	<a href="#">UL_AM_RLC_Type</a>	opt	the UE's UL setting to be used in SS's tx direction
Rx	<a href="#">DL_AM_RLC_Type</a>	opt	the UE's DL setting to be used in SS's rx direction

### SS\_RLC\_UM\_Bi\_Directional\_Type

TTCN-3 Record Type			
Name	<b>SS_RLC_UM_Bi_Directional_Type</b>		
Comment			
Tx	<a href="#">UL_UM_RLC_Type</a>	opt	the UE's UL setting to be used in SS's tx direction
Rx	<a href="#">DL_UM_RLC_Type</a>	opt	the UE's DL setting to be used in SS's rx direction

**SS\_RLC\_UM\_Uni\_Directional\_UL\_Type**

TTCN-3 Record Type			
Name	SS_RLC_UM_Uni_Directional_UL_Type		
Comment			
Rx	<a href="#">DL_UM_RLC_Type</a>	opt	the UE's DL setting to be used in SS's rx direction

**SS\_RLC\_UM\_Uni\_Directional\_DL\_Type**

TTCN-3 Record Type			
Name	SS_RLC_UM_Uni_Directional_DL_Type		
Comment			
Tx	<a href="#">UL_UM_RLC_Type</a>	opt	the UE's UL setting to be used in SS's tx direction

**RLC\_RbConfig\_Type**

TTCN-3 Union Type			
Name	RLC_RbConfig_Type		
Comment			
AM	<a href="#">SS_RLC_AM_Type</a>		
UM	<a href="#">SS_RLC_UM_Bi_Directional_Type</a>		
UM_OnlyUL	<a href="#">SS_RLC_UM_Uni_Directional_UL_Type</a>		
UM_OnlyDL	<a href="#">SS_RLC_UM_Uni_Directional_DL_Type</a>		
TM	<a href="#">SS_RLC_TM_Type</a>		normally SRB0 only; may be used for test purposes also

**RLC\_Configuration\_Type**

TTCN-3 Record Type			
Name	RLC_Configuration_Type		
Comment			
Rb	<a href="#">RLC_RbConfig_Type</a>	opt	mandatory for initial configuration; omit means "keep as it is"
TestMode	<a href="#">RLC_TestModeConfig_Type</a>	opt	mandatory for initial configuration; omit means "keep as it is"

**D.1.5.3 MAC\_Configuration**

MAC configuration: radio bearer specific configuration

**EUTRA\_ASP\_TypeDefs: Constant Definitions**

TTCN-3 Basic Types			
tsc_MaxHarqRetransmission	integer	28	maximum value for max-HARQ-Msg3Tx as being signalled to the UE

**MAC\_Test\_DLLogChID\_Type**

TTCN-3 Union Type		
Name	MAC_Test_DLLogChID_Type	
Comment		
LogChId	<a href="#">TestLogicalChannelId_Type</a>	Specifies to over write the logical channel ID in MAC header in all the DL messages sent on the configured logical channel
ConfigLchId	<a href="#">Null_Type</a>	Specifies that the normal mode of correct logical channel ID to be used in DL Mac header. This will be the default mode, when SS is initially configured.

**MAC\_Test\_DL\_SCH\_CRC\_Mode\_Type**

TTCN-3 Enumerated Type	
Name	<b>MAC_Test_DL_SCH_CRC_Mode_Type</b>
Comment	
Normal	default mode, the CRC generation is correct
Erroneous	SS shall generate CRC error by toggling CRC bits; the CRC error shall be applied for all PDUs of the given RNTI and their retransmission until SS is configured back to 'normal' operation
Error1AndNormal	the SS generates wrong CRC for first transmission and correct CRC on first retransmission. Later SS operates in normal mode. The retransmission is automatically triggered by reception of HARQ NACK

**MAC\_Test\_SCH\_NoHeaderManipulation\_Type**

TTCN-3 Enumerated Type	
Name	<b>MAC_Test_SCH_NoHeaderManipulation_Type</b>
Comment	
NormalMode	MAC header is fully controlled by the SS
DL_SCH_Only	TTCN can submit a final MAC PDU including header and payloads; SS does not do anything with this MAC PDU i.e. no header is added for the DL SCH transport channel. It is possible that data belonging to multiple DRBs is sent in one MAC PDU and from one special RB configured. NOTE: SRBs shall work as in normal mode and data can be sent/received on SRBs but sending on SRBs shall be in different TTIs than sending data PDUs.
DL_UL_SCH	In UL and DL the SS' MAC layer is transparent i.e. SS does not add or remove any MAC header

**HARQ\_ModeList\_Type**

TTCN-3 Record of Type	
Name	<b>HARQ_ModeList_Type</b>
Comment	
record length (1.. <a href="#">tsc_MaxHargRetransmission</a> ) of <a href="#">HARQ_Type</a>	

**PhichTestMode\_Type**

TTCN-3 Union Type		
Name	<b>PhichTestMode_Type</b>	
Comment		
NormalMode	<a href="#">Null_Type</a>	PHICH is configured to operate in normal mode
ExplicitMode	<a href="#">HARQ_ModeList_Type</a>	the number of elements in explicit list shall match the number of retransmissions being expected

**MAC\_TestModeInfo\_Type**

TTCN-3 Record Type			
Name	<b>MAC_TestModeInfo_Type</b>		
Comment	Parameters/Configuration for MAC tests		
DiffLogChId	<a href="#">MAC_Test_DLLogChID_Type</a>		to be used in test cases 7.1.1.1 and 7.1.1.2 for using a different logical channel ID in MAC-header on DL-SCH channel
No_HeaderManipulation	<a href="#">MAC_Test_SCH_NoHeaderManipulation_Type</a>		to configure mode for no header manipulation in SS MAC layer for DL/UL SCH

**MAC\_TestModeConfig\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>MAC_TestModeConfig_Type</b>	
<b>Comment</b>		
None	<a href="#">Null_Type</a>	
Info	<a href="#">MAC_TestModeInfo_Type</a>	

**MAC\_LogicalChannelConfig\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>MAC_LogicalChannelConfig_Type</b>		
<b>Comment</b>			
Priority	integer		logical channel priority for the DL as described in TS 36.321, clause 5.4.3.1 for the UL
PrioritizedBitRate	<a href="#">PrioritizedBitRate_Type</a>		PBR as described for the UL; probably not needed at SS

**MAC\_Configuration\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>MAC_Configuration_Type</b>		
<b>Comment</b>			
LogicalChannel	<a href="#">MAC_LogicalChannelConfig_Type</a>	opt	mandatory for initial configuration; omit means "keep as it is"
TestMode	<a href="#">MAC_TestModeConfig_Type</a>	opt	mandatory for initial configuration; omit means "keep as it is"; for none MAC tests "TestMode.None:=true"

**Radio\_Bearer\_Configuration: Basic Type Definitions**

TTCN-3 Basic Types		
<b>LogicalChannelId_Type</b>	integer (0..10)	acc. TS 36.331, clause 6.3.2 for DRBs DTCH-LogicalChannelIdentity is INTEGER (3..10); additionally we have 0..2 for the SRBs
<b>TestLogicalChannelId_Type</b>	integer (0..31)	To be used in MAC test mode for reserved values of Logical channels;



## RadioBearerConfigInfo\_Type

TTCN-3 Record Type			
Name	RadioBearerConfigInfo_Type		
Comment	semantics of omit: "keep as it is"		
Pdcp	<a href="#">PDCP_Configuration_Type</a>	opt	for SRB0: "Pdcp.None:=true" mandatory for initial configuration; omit means "keep as it is"
Rlc	<a href="#">RLC_Configuration_Type</a>	opt	mandatory for initial configuration; omit means "keep as it is"
LogicalChannelId	<a href="#">LogicalChannelId_Type</a>	opt	DRBs: DTCH-LogicalChannelIdentity as for rb-MappingInfo in DRB-ToAddModifyList; SRBs: for SRBs specified configurations acc. to TS 36.331, clause 9.1.2 shall be applied: SRB1: ul-LogicalChannel-Identity = dl-LogicalChannel-Identity = 1 SRB2: ul-LogicalChannel-Identity = dl-LogicalChannel-Identity = 2 for SRB0 being mapped to CCCH the LCID is '00000'B acc. to TS 36.321, clause 6.2.1; mandatory for initial configuration; omit means "keep as it is"
Mac	<a href="#">MAC_Configuration_Type</a>	opt	
DiscardULData	boolean	opt	if omitted: initial configuration: data is handed over to TTCN as usual re-configuration: "keep as it is" if set: true - SS shall discard any data in UL for this radio bearer false - (re)configuration back to normal mode NOTE: typically applicable for UMDRBs only

## RadioBearerConfig\_Type

TTCN-3 Union Type		
Name	RadioBearerConfig_Type	
Comment		
AddOrReconfigure	<a href="#">RadioBearerConfigInfo_Type</a>	add / re-configure RB - CellId : identifier of the cell being configured RoutingInfo : None TimingInfo : 'Now' in common cases ControlInfo : CnfFlag:=true; FollowOnFlag:=false (in general)
Release	<a href="#">Null_Type</a>	release RB - CellId : identifier of the cell being configured RoutingInfo : None TimingInfo : 'Now' in common cases ControlInfo : CnfFlag:=true; FollowOnFlag:=false (in general)

## RadioBearer\_Type

TTCN-3 Record Type			
Name	RadioBearer_Type		
Comment			
Id	<a href="#">RadioBearerId_Type</a>		either for SRB or DRB
Config	<a href="#">RadioBearerConfig_Type</a>		

## RadioBearerList\_Type

TTCN-3 Record of Type	
Name	RadioBearerList_Type
Comment	array of SRBs and/or DRBs (DRBs + 3 SRBs)
record length (1.. <a href="#">tsc_MaxRB</a> ) of <a href="#">RadioBearer_Type</a>	

## D.1.6 AS\_Security

Primitive for control of AS security

### PdcpSQN\_Type

TTCN-3 Record Type			
Name	PdcpSQN_Type		
Comment			
Format	<a href="#">PdcpCountFormat_Type</a>		5 bit, 7 bit or 12 bit SQN
Value	integer		SQN value (5 bit, 7 bit or 12 bit SQN) NOTE: in TTCN the test case writer is responsible to deal with potential overflows (e.g. there shall be a "mod 32", "mod 128" or "mod 4096" according to the format)

### PDCP\_ActTime\_Type

TTCN-3 Union Type			
Name	PDCP_ActTime_Type		
Comment	The sequence number in UL and DL for SRB1 should be one more than the present SQN, as Ciphering starts in UL and DL soon after SMC and SMComp; For other SRB/DRB it should be the present SQN.		
None	<a href="#">Null_Type</a>		No Activation time; to be used if Ciphering is not applied
SQN	<a href="#">PdcpSQN_Type</a>		PDCP sequence number

### SecurityActTime\_Type

TTCN-3 Record Type			
Name	SecurityActTime_Type		
Comment			
RadioBearerId	<a href="#">RadioBearerId_Type</a>		
UL	<a href="#">PDCP_ActTime_Type</a>		
DL	<a href="#">PDCP_ActTime_Type</a>		

### SecurityActTimeList\_Type

TTCN-3 Record of Type			
Name	SecurityActTimeList_Type		
Comment			
record length (1.. <a href="#">tsc_MaxRB</a> ) of <a href="#">SecurityActTime_Type</a>			

### AS\_IntegrityInfo\_Type

TTCN-3 Record Type			
Name	AS_IntegrityInfo_Type		
Comment	for initial configuration activation time is not needed for integrity protection as all messages in DL after security activation are integrity protected; this means this ASP is invoked before transmission of Security mode command; if there is a integrity violation in UL SS shall set the IndicationStatus in the common ASP part to flag the integrity error (IndicationStatus.Error.Integrity.Pdcp := true); integrity to be provided for each SRB as per core spec		
Algorithm	<a href="#">IntegrityProtAlgorithm_Type</a>		IntegrityProtAlgorithm_Type being defined in RRC ASN.1
KRRcInt	<a href="#">B128_Key_Type</a>		
ActTimeList	<a href="#">SecurityActTimeList_Type</a>	opt	omit for initial configuration (i.e. all SRBs to be integrity protected immediately); in HO scenarios activation time may be needed e.g. for SRB1

**AS\_CipheringInfo\_Type**

TTCN-3 Record Type			
Name	<b>AS_CipheringInfo_Type</b>		
Comment			
Algorithm	<a href="#">CipheringAlgorithm_Type</a>		CipheringAlgorithm_Type being defined in RRC ASN.1
KRRCenc	<a href="#">B128_Key_Type</a>		
KUPenc	<a href="#">B128_Key_Type</a>		KUPenc is mandatory; and SS uses it when DRB are configured
ActTimeList	<a href="#">SecurityActTimeList_Type</a>		

**AS\_SecStartRestart\_Type**

TTCN-3 Record Type			
Name	<b>AS_SecStartRestart_Type</b>		
Comment			
Integrity	<a href="#">AS_IntegrityInfo_Type</a>	opt	optional to allow separated activation of integrity and ciphering; omit: keep as it is
Ciphering	<a href="#">AS_CipheringInfo_Type</a>	opt	optional to allow separated activation of integrity and ciphering; omit: keep as it is

**AS\_Security\_Type**

TTCN-3 Union Type			
Name	<b>AS_Security_Type</b>		
Comment	Security mode command procedure (TS 36.331, clause 5.3.4): both SMC and SMComp are integrity protected (nevertheless SS shall be able to cope with unprotected SM reject); ciphering is started just after SMComp (acc. to TS 36.331, clause 5.3.4.3 and 5.3.1.1)		
StartRestart	<a href="#">AS_SecStartRestart_Type</a>		information to start/restart AS security protection in the PDCP
Release	<a href="#">Null_Type</a>		to release AS security protection in the PDCP

**D.1.7 Semi\_Persistent\_Scheduling**

Semi-persistent scheduling (SPS)

NOTE 1:

configuration of SPS cannot be done completely in advance but needs to be activated by PDCCH signalling  
=> SPS is configured/activated in an own primitive which may be sent to SS during RBs are being configured

NOTE 2:

semi-persistent (configured) scheduling is per UE (as well as 'normal' scheduling; see e.g. TS 36.300, clause 11.1)

**SpsAssignmentUL\_Type**

TTCN-3 Record Type			
Name	<b>SpsAssignmentUL_Type</b>		
Comment	information to assign semi-persistent schedules in UL		
DciInfo	<a href="#">DciUlInfo_Type</a>	opt	to apply a grant
SchedulInterval	<a href="#">SpsConfigurationUL_Type</a>	opt	as in TS 36.331, clause 6.3.2 SPS-ConfigUL
SetNDI_1	<a href="#">Null_Type</a>	opt	if present then NDI is set as 1 indicating a retransmission; if absent then NDI is set as 0 indicating a new transmission

**SpsAssignmentDL\_Type**

TTCN-3 Record Type			
Name	SpsAssignmentDL_Type		
Comment	information to assign semi-persistent schedules in DL		
DciInfo	<a href="#">DciDlInfo_Type</a>	opt	to apply a assignment
SchedulInterval	<a href="#">SpsConfigurationDL_Type</a>	opt	as in TS 36.331, clause 6.3.2 SPS-ConfigDL
SetNDI_1	<a href="#">Null_Type</a>	opt	if present then NDI is set as 1 indicating a retransmission; if absent then NDI is set as 0 indicating a new transmission

**SpsActivateInfo\_Type**

TTCN-3 Record Type			
Name	SpsActivateInfo_Type		
Comment	<p>Semi-persistent scheduling (SPS):  Even though SPS is pre-configured at the UE (e.g. RRCConnectionSetup-&gt;RadioResourceConfiguration-&gt;MAC_MainConfig) it needs to be activated by L1 signalling =&gt; SS shall 'activate' SPS by sending appropriate assignments/grants to the UE; this shall be done with an activation time.  If SPS is already configured and new Activate command is received, at the activation time SS locally deactivates old SPS configuration, sends UE an PDCCH assignment for new SPS assignment and locally activates new SPS configuration.  In DL, in addition to SS SPS assignment configuration with activation time 'T', TTCN writer shall also schedule a DL MAC PDU with same activation time 'T' and at every SPS ScheduleInterval (NOTE: in general it is an error when TTCN does not provide data for a ScheduleInterval; SS shall send no data in this case).  Special fields of PDCCH assignment are filled as per table 9.2-1 of 36.213</p>		
SPS_C_RNTI	C_RNTI		SPS C-RNTI as signalled to UE
UplinkGrant	<a href="#">SpsAssignmentUL_Type</a>	opt	
DownlinkAssignment	<a href="#">SpsAssignmentDL_Type</a>	opt	

**SpsPdcchRelease\_Type**

TTCN-3 Record Type			
Name	SpsPdcchRelease_Type		
Comment	<p>On reception of this information SS shall send an SPS release indicated by PDCCH transmission with indicated DCI format (0 or 1A) at the activation time.  Special fields of PDCCH assignment are filled as per table 9.2-1A of 36.213</p>		
SPS_C_RNTI	C_RNTI		
DCI_Format	<a href="#">PdcchDciFormat_Type</a>		only formats 0 (UL release) and 1A (DL release) are applicable. It is a TTCN error if any other formats are used.

**SpsDeactivateInfo\_Type**

TTCN-3 Union Type			
Name	SpsDeactivateInfo_Type		
Comment			
LocalRelease	<a href="#">Null_Type</a>		SPS configuration shall be released at the SS, that means as well that the SS shall not address SPS_C_RNTI anymore from the given TimingInfo onward; NOTE: there is no SPS release to be signalled on PDCCH (this is done with PdcchExplicitRelease - see below)
PdcchExplicitRelease	<a href="#">SpsPdcchRelease_Type</a>		SS transmits PDCCH content indicating SPS release but holds the local SPS configuration until it is locally released

## SpsConfig\_Type

TTCN-3 Union Type		
Name	SpsConfig_Type	
Comment		
Activate	<a href="#">SpsActivateInfo_Type</a>	CellId : identifier of the cell where the UE is active RoutingInfo : None TimingInfo : activation time for SPS assignment/grant transmission; NOTE: the first SPS DL data packet shall be sent with the same timing information ControlInfo : CnfFlag:=false; FollowOnFlag:=false
Deactivate	<a href="#">SpsDeactivateInfo_Type</a>	CellId : identifier of the cell where the UE is active RoutingInfo : None TimingInfo : activation time for SPS release indicated by PDCCH transmission or SS local deactivation ControlInfo : CnfFlag:=false; FollowOnFlag:=false

## D.1.8 Paging\_Trigger

## SubframeOffsetList\_Type

TTCN-3 Record of Type	
Name	SubframeOffsetList_Type
Comment	
record length (1..infinity) of integer	

## PagingTrigger\_Type

TTCN-3 Record Type		
Name	PagingTrigger_Type	
Comment	CellId : identifier of the cell where the UE is active RoutingInfo : None TimingInfo : Calculated paging occasion ControlInfo : CnfFlag:=false; FollowOnFlag:=false primitive to trigger transmission of a paging on the PCCH at a calculated paging occasion (TS 36.304, clause 7); the paging occasion is calculated by TTCN and activation time is applied; as for BCCH Infor acc. to TS 36.331, clause 9.1.1.3 "RRC will perform padding, if required due to the granularity of the TF signalling, as defined in 8.5."; therefore this needs to be done by the system simulator	
Paging	PCCH_Message	opt
SubframeOffsetList	<a href="#">SubframeOffsetList_Type</a>	opt
		list of subframe offsets relative to the absolute timing information given in the common part of the ASP; if present, multiple pagings are sent out at all occasions given by the list; if omitted only a single paging is sent at the occasion given timing information given in the common part of the ASP

## D.1.9 L1\_MAC\_Indication\_Control

Primitive for control of L1/MAC indication for special purposes

**L1Mac\_IndicationMode\_Type**

TTCN-3 Enumerated Type	
Name	L1Mac_IndicationMode_Type
Comment	
enable	
disable	

**L1Mac\_IndicationControl\_Type**

TTCN-3 Record Type			
Name	L1Mac_IndicationControl_Type		
Comment	NOTE: Initially all indications are disabled in SS (i.e. it shall not be necessary in 'normal' test cases to use this primitive but only if a specific indication is needed); omit means indication mode is not changed		
RachPreamble	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of PRACH preamble received.
SchedReq	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of reception of Scheduling Request on PUCCH.
BSR	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of Buffer/Extended Buffer Status Report. NOTE: this is applicable only when MAC is configured in normal mode in UL; MAC configured in test mode, results in over writing the report.
UL_HARQ	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of reception of HARQ ACK/NACK.
C_RNTI	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of C-RNTI sent by the UE within MAC PDU
PHR	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of Power Headroom Report. NOTE: this is applicable only when MAC is configured in normal mode in UL; MAC configured in test mode, results in over writing the report.
HarqError	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of HARQ errors
PeriodicRI	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of reception of periodic Rank Indicators
EPHR	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of Extended Power Headroom Report. NOTE: this is applicable only when MAC is configured in normal mode for UL; MAC configured in test mode, results in overwriting the report.
PeriodicCQI	<a href="#">L1Mac_IndicationMode_Type</a>	opt	To enable/disable reporting of reception of periodic CQI

**D.1.10 Rlc\_Indication\_Control**

Primitive for control of RLC indication for special purposes

**Rlc\_IndicationMode\_Type**

TTCN-3 Enumerated Type	
Name	Rlc_IndicationMode_Type
Comment	
enable	
disable	

## Rlc\_IndicationControl\_Type

TTCN-3 Record Type			
Name	Rlc_IndicationControl_Type		
Comment			
Discard	<a href="#">Rlc_IndicationMode_Type</a>	opt	To enable/disable reporting of discarded RLC PDUs

## D.1.11 PDCP\_Count

Primitives to enquire PDCP COUNT

## PDCP\_Count: Basic Type Definitions

TTCN-3 Basic Types		
PdcpCountValue_Type	<a href="#">B32_Type</a>	

## PdcpCountFormat\_Type

TTCN-3 Enumerated Type	
Name	PdcpCountFormat_Type
Comment	
PdcpCount_Srb	27 bit HFN; 5 bit SQF
PdcpCount_DrbLong SQN	20 bit HFN; 12 bit SQF
PdcpCount_DrbShort SQN	25 bit HFN; 7 bit SQF

## PdcpCount\_Type

TTCN-3 Record Type			
Name	PdcpCount_Type		
Comment			
Format	<a href="#">PdcpCountFormat_Type</a>		
Value	<a href="#">PdcpCountValue_Type</a>		

## PdcpCountInfo\_Type

TTCN-3 Record Type			
Name	PdcpCountInfo_Type		
Comment			
RadioBearerId	<a href="#">RadioBearerId_Type</a>		
UL	<a href="#">PdcpCount_Type</a>	opt	omit: keep as it is
DL	<a href="#">PdcpCount_Type</a>	opt	omit: keep as it is

## PdcpCountInfoList\_Type

TTCN-3 Record of Type	
Name	PdcpCountInfoList_Type
Comment	
record length (1.. <a href="#">tsc_MaxRB</a> ) of <a href="#">PdcpCountInfo_Type</a>	

**PdcpCountGetReq\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>PdcpCountGetReq_Type</b>	
<b>Comment</b>		
AllRBs	<a href="#">Null_Type</a>	return COUNT values for all RBs being configured
SingleRB	<a href="#">RadioBearerId_Type</a>	

**PDCP\_CountReq\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>PDCP_CountReq_Type</b>	
<b>Comment</b>		
Get	<a href="#">PdcpCountGetReq_Type</a>	Request PDCP count for one or all RBs being configured at the PDCP
Set	<a href="#">PdcpCountInfoList_Type</a>	Set PDCP count for one or all RBs being configured at the PDCP; list for RBs which's COUNT shall be manipulated

**PDCP\_CountCnf\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>PDCP_CountCnf_Type</b>	
<b>Comment</b>		
Get	<a href="#">PdcpCountInfoList_Type</a>	RBs in ascending order; SRBs first
Set	<a href="#">Null_Type</a>	

## D.1.12 PDCP\_Handover

Primitives to control PDCP regarding handover

**PDCP\_HandoverInit\_Type**

TTCN-3 Record Type		
<b>Name</b>	<b>PDCP_HandoverInit_Type</b>	
<b>Comment</b>		
SourceCellId	EUTRA <a href="#">CellId_Type</a>	

**PDCP\_HandoverControlReq\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>PDCP_HandoverControlReq_Type</b>	
<b>Comment</b>		
HandoverInit	<a href="#">PDCP_HandoverInit_Type</a>	to inform SS that a handover will follow: in the common ASP part the CellId shall be set to the id of the target cell
HandoverComplete	<a href="#">Null_Type</a>	to inform SS that the handover has successfully been performed by the UE; this shall trigger the SS to sent a PDCP Status Report to the UE; in the common ASP part the CellId shall be set to the id of the target cell

## D.1.13 L1\_MAC\_Test\_Mode

Primitive for control of L1/MAC Test Modes



**L1\_TestMode\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>L1_TestMode_Type</b>		
<b>Comment</b>	L1 testmode; in general RACH is handled separately		
DL_SCH_CRC	<a href="#">DL_SCH_CRC_Type</a>		Manipulation of CRC bit generation for DL-SCH
Phich	<a href="#">PhichTestMode_Type</a>		HARQ feedback mode on the PHICH

**DL\_SCH\_CRC\_Type**

TTCN-3 Union Type			
<b>Name</b>	<b>DL_SCH_CRC_Type</b>		
<b>Comment</b>	NOTE: CRC error mode for RA_RNTI is not addressed as it will be configured in RACHProcedureConfig		
C_RNTI	<a href="#">MAC_Test_DL_SCH_CRC_Mode_Type</a>		to configure mode for CRC bit for all MAC PDU's for which C-RNTI is used in PDCCH transmission
SI_RNTI	<a href="#">MAC_Test_DL_SCH_CRC_Mode_Type</a>		to configure mode for CRC bit for all MAC PDU's for which SI-RNTI is used in PDCCH transmission
SPS_RNTI	<a href="#">MAC_Test_DL_SCH_CRC_Mode_Type</a>		to configure mode for CRC bit for all MAC PDU's for which SPS-RNTI is used in PDCCH transmission

**D.1.14 PDCCH\_Order**

Primitive to trigger SS to send PDCCH order to initiate RA procedure (TS 36.321, clause 5.1.1)

**PDCCH\_Order: Basic Type Definitions**

TTCN-3 Basic Types		
<b>PrachPreambleIndex_Type</b>	<a href="#">Ra_PreambleIndex_Type</a>	
<b>PrachMaskIndex_Type</b>	integer (0..15)	TS 36.321, clause 7.3

**RA\_PDCCH\_Order\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>RA_PDCCH_Order_Type</b>		
<b>Comment</b>	see also TS 36.212, clause 5.3.3.1.3		
PreambleIndex	<a href="#">PrachPreambleIndex_Type</a>		naming acc. TS 36.212, clause 5.3.3.1.3
PrachMaskIndex	<a href="#">PrachMaskIndex_Type</a>		naming acc. TS 36.212, clause 5.3.3.1.3

**D.1.15 System\_Indications**

Primitives for System indications

## System\_Indications: Basic Type Definitions

TTCN-3 Basic Types		
PRTPower_Type	<a href="#">Dummy_Type</a>	needs to define appropriately the power level report of PREAMBLE_RECEIVED_TARGET_POWER; NOTE: for the time being this is just a place holder for enhancements in the future.
LogicalChannelGroup_Type	integer (0..3)	
BSR_Value_Type	integer (0..63)	
PHR_Type	integer (0..63)	
RI_Type	integer (1..4)	Rank indicator reported acc. to TS 36.212 Table 5.2.2.6-6

## HarqProcessInfo\_Type

TTCN-3 Record Type			
Name	HarqProcessInfo_Type		
Comment			
Id	<a href="#">HarqProcessId_Type</a>		
CURRENT_TX_NB	integer		acc. to TS 36.321 clause 5.4.2.2

## HarqError\_Type

TTCN-3 Union Type			
Name	HarqError_Type		
Comment			
UL	<a href="#">HarqProcessInfo_Type</a>		indicates HARQ error detected at the SS side (error at UL transmission)
DL	<a href="#">HarqProcessInfo_Type</a>		indicates HARQ NACK sent by the UE (error at DL transmission)

## RachPreamble\_Type

TTCN-3 Record Type			
Name	RachPreamble_Type		
Comment			
RAPID	<a href="#">PrachPreambleIndex_Type</a>		indicates the RAPID of the preamble used (integer (0..63))
PRTPower	<a href="#">PRTPower_Type</a>		represents the PREAMBLE_RECEIVED_TARGET_POWER

## Short\_BSR\_Type

TTCN-3 Record Type			
Name	Short_BSR_Type		
Comment			
LCG	<a href="#">LogicalChannelGroup_Type</a>		Logical channel Group
Value	<a href="#">BSR_Value_Type</a>		BSR or Extended BSR value

## Long\_BSR\_Type

TTCN-3 Record Type			
Name	Long_BSR_Type		
Comment			
Value_LCG1	<a href="#">BSR_Value_Type</a>		BSR or Extended BSR value for LCG 1
Value_LCG2	<a href="#">BSR_Value_Type</a>		BSR or Extended BSR value for LCG 2
Value_LCG3	<a href="#">BSR_Value_Type</a>		BSR or Extended BSR value for LCG 3
Value_LCG4	<a href="#">BSR_Value_Type</a>		BSR or Extended BSR value for LCG 4

**BSR\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>BSR_Type</b>
<b>Comment</b>	
Short	<a href="#">Short_BSR_Type</a>
Truncated	<a href="#">Short_BSR_Type</a>
Long	<a href="#">Long_BSR_Type</a>

**HARQ\_Type**

TTCN-3 Enumerated Type	
<b>Name</b>	<b>HARQ_Type</b>
<b>Comment</b>	ack represents HARQ ACK; nack represents HARQ_NACK
ack	
nack	

**RlcDiscardInd\_Type**

TTCN-3 Record Type	
<b>Name</b>	<b>RlcDiscardInd_Type</b>
<b>Comment</b>	SS shall send this indication if it discards a received RLC AMD PDU as specified in TS 36.322 cl. 5.1.3.2.2.
SequenceNumber	integer
ber	sequence number of the PDU being discarded

## D.1.16 System\_Interface

## SYSTEM\_CTRL\_REQ

TTCN-3 Record Type		
Name	SYSTEM_CTRL_REQ	
Comment		
Common	<a href="#">ReqAspCommonPart_Type</a>	TimingInfo depends on respective primitive:
Request	<a href="#">SystemRequest_Type</a>	<ul style="list-style-type: none"> <li>- Cell TimingInfo: 'now' (in general)</li> <li>- CellAttenuationList TimingInfo: 'now' (in general, but activation time may be used also)</li> <li>- RadioBearerList TimingInfo: 'now' in general; activation time may be used in special case for release and/or reconfiguration of one or several RBs; the following rules shall be considered: <ul style="list-style-type: none"> <li>- release/Reconfiguration of an RB shall not be scheduled earlier than 5ms after a previous data transmission on this RB</li> <li>- subsequent release and reconfiguration(s) shall be scheduled with an interval of at least 5ms</li> <li>- a subsequent data transmission on an RB shall not be scheduled earlier than 5ms after the last reconfiguration of the RB the configuration shall be performed exactly at the given time</li> </ul> </li> <li>- EnquireTiming TimingInfo: 'now'</li> <li>- AS_Security TimingInfo: 'now'; NOTE: "activation time" may be specified in the primitive based on PDCP SQN</li> <li>- Sps TimingInfo: activation time for SPS assignment transmission</li> <li>- Paging TimingInfo: Calculated paging occasion</li> <li>- L1MacIndCtrl TimingInfo: 'now' (in general)</li> <li>- Pdcpcount TimingInfo: 'now'</li> <li>- L1_TestMode TimingInfo: depends on the test mode; activation time is used e.g. for manipulation of the CRC</li> <li>- PdcchOrder TimingInfo: 'now' (in general)</li> </ul>

## SYSTEM\_CTRL\_CNF

TTCN-3 Record Type		
Name	SYSTEM_CTRL_CNF	
Comment		
Common	<a href="#">CnfAspCommonPart_Type</a>	TimingInfo is ignored by TTCN (apart from EnquireTiming) => SS may set TimingInfo to "None"
Confirm	<a href="#">SystemConfirm_Type</a>	

## SYSTEM\_IND

TTCN-3 Record Type			
Name	SYSTEM_IND		
Comment			
Common	<a href="#">IndAspCommonPart_Type</a>		The SS shall provide TimingInfo (SFN + subframe number) depending on the respective indication:
Indication	<a href="#">SystemIndication_Type</a>		<ul style="list-style-type: none"> <li>- Error/HarqError TimingInfo: related to the error (if available)</li> <li>- RachPreamble TimingInfo: shall indicate start of the RACH preamble</li> <li>- SchedReq TimingInfo: subframe containing the SR</li> <li>- BSR TimingInfo: subframe in which the MAC PDU contains the BSR</li> <li>- UL_HARQ TimingInfo: subframe containing the UL HARQ</li> <li>- C_RNTI TimingInfo: subframe in which the MAC PDU contains the C_RNTI</li> <li>- PHR TimingInfo: subframe in which the MAC PDU contains the PHR</li> </ul>

## EUTRA\_SYSTEM\_PORT

TTCN-3 Port Type			
Name	EUTRA_SYSTEM_PORT		
Comment	EUTRA PTC: Port for system configuration		
out	<a href="#">SYSTEM_CTRL_REQ</a>		
in	<a href="#">SYSTEM_CTRL_CNF</a>		

## EUTRA\_SYSIND\_PORT

TTCN-3 Port Type			
Name	EUTRA_SYSIND_PORT		
Comment	EUTRA PTC: Port for system indications		
in	<a href="#">SYSTEM_IND</a>		

## D.1.17 MBMS\_Configuration

## EUTRA\_ASP\_TypeDefs: Constant Definitions

TTCN-3 Basic Types			
tsc_MaxMRB	integer	32	maximum MRB used in test cases – Value arbitrarily set to 32 (5bits) Theoretically the maximum value is maxPMCH-PerMBSFN * maxSessionPerPMCH i.e. 15*29

## MBMS\_Config\_Type

TTCN-3 Record Type			
Name	MBMS_Config_Type		
Comment	all fields are optional to allow single modifications; activation time is applied in the common part of the ASP		
Mbsfn_SubframeConfigList	MBSFN_SubframeConfigList	opt	Configure subframes reserved for MBSFN
MbsfnAreaList	<a href="#">MbsfnAreaList_Type</a>	opt	Configure all MBSFN areas

**MbsfnAreaList\_Type**

TTCN-3 Record of Type	
Name	MbsfnAreaList_Type
Comment	
record length(1..maxMBSFN_Area) of <a href="#">MbsfnArea_Type</a>	

**MbsfnArea\_Type**

TTCN-3 Record Type			
Name	MbsfnArea_Type		
Comment			
Mbsfn_ArealInfo	MBSFN_ArealInfo_r9	opt	Configure MCCH scheduling acc. to TS 36. 331 cl 9.1.1.4 there is no PDCP and MCCH use the RLC-UM mode configuration/scheduling and contents of the MCCH Information is done in one go (i.e. there are no separate ports for MCCH data and configuration)
MchData	<a href="#">MCCH_Data_Type</a>	opt	MCCH information to be broadcasted
MbsfnAreaConfiguration	MBSFNAreaConfiguration_r9	opt	Configuration parameters for CommonCSA/PMCH/MTCH
MRB_List	<a href="#">MRB_List_Type</a>	opt	Configure/release MTCH MRBs

**MCCH\_Data\_Type**

TTCN-3 Record Type			
Name	MCCH_Data_Type		
Comment			
Mbsfn_ArealInfo	<a href="#">Mbsfn_ArealInfo_r9_Type</a>	opt	Used only for modification of MCCH info. Omitted if Mbsfn_ArealInfo is present and mandatory present otherwise
MsgList	<a href="#">MCCH_MessageList_Type</a>		

**MCCH\_MessageList\_Type**

TTCN-3 Record of Type	
Name	MCCH_MessageList_Type
Comment	Includes mbsfnAreaConfiguration-r9 and optionally mbmsCountingRequest-r10.
record length(1..2) of MCCH_Message	

**MRB\_List\_Type**

TTCN-3 Record of Type	
Name	MRB_List_Type
Comment	
record length(1.. <a href="#">tsc_MaxMRB</a> ) of <a href="#">MRB_Type</a>	

**MRB\_Type**

TTCN-3 Record Type			
Name	MRB_Type		
Comment			
PmchLogicalChannel	<a href="#">PmchLogicalChannel_Type</a>		
Config	<a href="#">MTCH_Config_Type</a>		

**MTCH\_Config\_Type**

TTCN-3 Union Type		
Name	<b>MTCH_Config_Type</b>	
Comment		
AddOrReconfigure	<a href="#">MTCH_ConfigInfo_Type</a>	Add/re-configure RB - CellId : identifier of the cell being configured RoutingInfo: none TimingInfo : 'Now' in common cases ControlInfo: CnfFlag:=true; FollowOnFlag:=false (in general)
Release	<a href="#">Null_Type</a>	release RB - CellId : identifier of the cell being configured RoutingInfo : none TimingInfo : 'Now' in common cases ControlInfo : CnfFlag:=true; FollowOnFlag:=false (in general)

**MTCH\_ConfigInfo\_Type**

TTCN-3 Record Type			
Name	<b>MTCH_ConfigInfo_Type</b>		
Comment	Acc. to TS 36.331 cl 9.1.1.4 there is no PDCP and MTCH use the RLC-UM mode		
Rlc	<a href="#">RLC_Configuration_Type</a>	opt	Mandatory for initial configuration; omit means "keep as it is" Note RLC DL only UM mode with SN 5 bits is only valid
Mac	<a href="#">MAC_MCH_TestModeConfig_Type</a>	opt	

**MAC\_MCH\_TestModeConfig\_Type**

TTCN-3 Union Type		
Name	<b>MAC_MCH_TestModeConfig_Type</b>	
Comment		
None	<a href="#">Null_Type</a>	MAC operation in normal mode for MCH
Config	<a href="#">Null_Type</a>	MAC is configured in no header manipulation in DL [MTCH is DL only channel] - FFS

**PDCCH\_MCCH\_ChangeNotification\_Type**

TTCN-3 Record Type			
Name	<b>PDCCH_MCCH_ChangeNotification_Type</b>		
Comment			
NotificationIndicator_r9	<a href="#">NotificationIndicator_r9_Type</a>		
SubframeOffsetList	<a href="#">SubframeOffsetList_Type</a>	opt	list of subframe offsets relative to the absolute timing information given in the common part of the ASP; if present, multiple MCCH Change Notifications are sent out at all occasions given by the list; if omitted only a single MCCH Change Notifications is sent at the occasion given timing information given in the common part of the ASP

**PmchConfig\_Type**

TTCN-3 Record Type			
Name	<b>PmchConfig_Type</b>		
Comment			
RelativeTxPower	<a href="#">ToRS_EPRES Ratios_Type</a>	opt	power ratio for PMCH's resource elements relative to the RS

## D.2 EUTRA\_ASP\_DrbDefs

ASP interface for DRBs

### D.2.1 PDU\_TypeDefs

#### D.2.1.1 MAC\_PDU

##### MAC\_PDU: Basic Type Definitions

TTCN-3 Basic Types		
<b>MAC_CTRL_C_RNTI_Type</b>	C_RNTI	TS 36.321, clause 6.1.3.2
<b>MAC_CTRL_ContentionResolutionId_Type</b>	<a href="#">ContentionResolutionId_Type</a>	TS 36.321, clause 6.1.3.4 fix 48-bit size; consists of a single field defined UE Contention Resolution Identity (uplink CCCH SDU transmitted by MAC)
<b>MAC_CTRL_TimingAdvance_Type</b>	<a href="#">B8_Type</a>	TS 36.321, clause 6.1.3.5 indicates the amount of timing adjustment in 0.5 ms that the UE has to apply; the length of the field is [8] bits
<b>MAC_SDU_Type</b>	octetstring	

##### MAC\_PDU\_Length\_Type

TTCN-3 Record Type		
<b>Name</b>	<b>MAC_PDU_Length_Type</b>	
<b>Comment</b>	NOTE: since F and L field are either both present or both omitted they are put into this record; to allow homogeneous (direct) encoding the PDU length is not defined as union; TTCN-3 does allow length restrictions to one length or a range of length but not to two specific lengths; further restriction may be achieved by appropriate templates (parameter either 7 or 15 bit)	
<b>Format</b>	<a href="#">B1_Type</a>	F: The Format field indicates the size of the Length field as indicated in table 6.2.1-3. There is one F field per MAC PDU subheader except for the last subheader and sub-headers corresponding to fixed-sized MAC control elements. The size of the F field is 1 bit. If the size of the MAC SDU or MAC control element is less than 128 bytes, the UE shall set the value of the F field to 0, otherwise the UE shall set it to 1
<b>Value</b>	<a href="#">B7_15_Type</a>	L: The Length field indicates the length of the corresponding MAC SDU or MAC control element in bytes. There is one L field per MAC PDU subheader except for the last subheader and sub-headers corresponding to fixed-sized MAC control elements. The size of the L field is indicated by the F field



## MAC\_PDU\_SubHeader\_Type

TTCN-3 Record Type			
Name	MAC_PDU_SubHeader_Type		
Comment			
Reserved	<a href="#">B2_Type</a>		Reserved bits
Extension	<a href="#">B1_Type</a>		E: The Extension field is a flag indicating if more fields are present in the MAC header or not. The E field is set to "1" to indicate another set of at least R/R/E/LCID fields. The E field is set to "0" to indicate that either a MAC SDU, a MAC control element or padding starts at the next byte
LCID	<a href="#">B5_Type</a>		LCID: The Logical Channel ID field identifies the logical channel instance of the corresponding MAC SDU or the type of the corresponding MAC control element or padding as described in tables 6.2.1-1 and 6.2.1-2 for the DL and UL-SCH respectively. There is one LCID field for each MAC SDU, MAC control element or padding included in the MAC PDU. The LCID field size is 5 bits; NOTE: In case of DRX command the sub-header corresponds to a control element of length zero (i.e. there is no control element)
Length	<a href="#">MAC_PDU_Length_Type</a>	opt	

## MAC\_Header\_Type

TTCN-3 Record of Type	
Name	MAC_Header_Type
Comment	
record of <a href="#">MAC_PDU_SubHeader_Type</a>	

## MAC\_CTRL\_ShortBSR\_Type

TTCN-3 Record Type			
Name	MAC_CTRL_ShortBSR_Type		
Comment	TS 36.321, clause 6.1.3.1		
LCG	<a href="#">B2_Type</a>		
Value	<a href="#">B6_Type</a>		

## MAC\_CTRL\_LongBSR\_Type

TTCN-3 Record Type			
Name	MAC_CTRL_LongBSR_Type		
Comment	TS 36.321, clause 6.1.3.1		
Value_LCG1	<a href="#">B6_Type</a>		
Value_LCG2	<a href="#">B6_Type</a>		
Value_LCG3	<a href="#">B6_Type</a>		
Value_LCG4	<a href="#">B6_Type</a>		

## MAC\_CTRL\_PowerHeadRoom\_Type

TTCN-3 Record Type			
Name	MAC_CTRL_PowerHeadRoom_Type		
Comment	TS 36.321, clause 6.1.3.6		
Reserved	<a href="#">B2_Type</a>		
Value	<a href="#">B6_Type</a>		

### MAC\_CTRL\_ElementList\_Type

TTCN-3 Set Type			
Name	MAC_CTRL_ElementList_Type		
Comment	NOTE 1: for simplification UL and DL are not distinguished even though the control elements are either UL or DL NOTE 2: type is defined as set: the ordering is not significant; nevertheless the ordering is well-defined by the sub-headers; for codec implementations it is in any case necessary to evaluate the sub-header information in order to encode/decode the payload		
ShortBSR	<a href="#">MAC_CTRL_ShortBSR_Type</a>	opt	UL only
LongBSR	<a href="#">MAC_CTRL_LongBSR_Type</a>	opt	UL only
C_RNTI	<a href="#">MAC_CTRL_C_RNTI_Type</a>	opt	UL only
ContentionResolutionID	<a href="#">MAC_CTRL_ContentionResolutionId_Type</a>	opt	DL only
TimingAdvance	<a href="#">MAC_CTRL_TimingAdvance_Type</a>	opt	DL only
PowerHeadroom	<a href="#">MAC_CTRL_PowerHeadroom_Type</a>	opt	UL only
ScellActDeact	<a href="#">MAC_CTRL_ScellActDeact_Type</a>	opt	DL only
ExtPowerHeadRoom	<a href="#">MAC_CTRL_ExtPowerHeadRoom_Type</a>	opt	UL only. Only one among PowerHeadroom and ExtPowerHeadroom may be present

### MAC\_SDUList\_Type

TTCN-3 Record of Type	
Name	MAC_SDUList_Type
Comment	
record of <a href="#">MAC_SDU_Type</a>	

### MAC\_PDU\_Type

TTCN-3 Record Type			
Name	MAC_PDU_Type		
Comment			
Header	<a href="#">MAC_Header_Type</a>		list of MAC PDU SubHeaders corresponding to MAC control elements and MAC SDUs
CtrlElementList	<a href="#">MAC_CTRL_ElementList_Type</a>	opt	Mac control elements; acc. to TS 36.321, clause 6.1.2 "MAC control elements, are always placed before any MAC SDU."
SduList	<a href="#">MAC_SDUList_Type</a>	opt	MAC SDUs, which can typically be RLC PDUs
Padding	octetstring	opt	Octet aligned Padding if more than or equal to 2 bytes

### MAC\_PDUList\_Type

TTCN-3 Record of Type	
Name	MAC_PDUList_Type
Comment	
record of <a href="#">MAC_PDU_Type</a>	

## D.2.1.2 RLC\_PDU

### D.2.1.2.1 Common

RLC PDU definition: common AM/UM field definitions

**Common: Basic Type Definitions**

TTCN-3 Basic Types		
RLC_FramingInfo_Type	<a href="#">B2_Type</a>	00 - First byte of the Data field corresponds to the first byte of a RLC SDU. Last byte of the Data field corresponds to the last byte of a RLC SDU. 01 - First byte of the Data field corresponds to the first byte of a RLC SDU. Last byte of the Data field does not correspond to the last byte of a RLC SDU. 10 - First byte of the Data field does not correspond to the first byte of a RLC SDU. Last byte of the Data field corresponds to the last byte of a RLC SDU. 11 - First byte of the Data field does not correspond to the first byte of a RLC SDU. Last byte of the Data field does not correspond to the last byte of a RLC SDU.

**RLC\_LengthIndicator\_Type**

TTCN-3 Record Type			
Name	RLC_LengthIndicator_Type		
Comment			
Extension	<a href="#">B1_Type</a>		0 - Data field follows from the octet following the LI field following this E field 1 - A set of E field and LI field follows from the bit following the LI field following this E field
LengthIndicator	<a href="#">B11_Type</a>		Length Indicator

**RLC\_LI\_List\_Type**

TTCN-3 Record of Type	
Name	RLC_LI_List_Type
Comment	
record of <a href="#">RLC_LengthIndicator_Type</a>	

**RLC\_PDU\_Header\_FlexPart\_Type**

TTCN-3 Record Type			
Name	RLC_PDU_Header_FlexPart_Type		
Comment	Flexible part of the header with a number of K LIs		
LengthIndicator	<a href="#">RLC_LI_List_Type</a>		List of E, LI fields
Padding	<a href="#">B4_Type</a>	opt	optional 4 bit padding present in case of odd number of LI's

D.2.1.2.2 TM\_Data

RLC PDU definition: UM (TS 36.322, clause 6.2.1.2)

**TM\_Data: Basic Type Definitions**

TTCN-3 Basic Types		
RLC_TMD_PDU_Type	octetstring	TS 36.322, clause 6.2.1.2

## D.2.1.2.3 UM\_Data

RLC PDU definition: UM (TS 36.322, clause 6.2.1.3)

NOTE:

To allow direct encoding the definition for RLC UM Data PDU is split into data PDU with 5/10 bit sequence number

## UM\_Data: Basic Type Definitions

TTCN-3 Basic Types		
RLC_DataField_Type	octetstring	restrictions imposed from LI size of 11 bits is not applicable when the LI's are not present

## RLC\_UMD\_Header\_FixPartShortSN\_Type

TTCN-3 Record Type			
Name	RLC_UMD_Header_FixPartShortSN_Type		
Comment	TS 36.322, clause 6.2.1.3 Figure 6.2.1.3-1, 6.2.1.3-3 and 6.2.1.3-4); one octet		
FramingInfo	<a href="#">RLC_FramingInfo_Type</a>		2 bits FI
Extension	<a href="#">B1_Type</a>		1 bit E
SequenceNumber	<a href="#">B5_Type</a>		5 bits SN

## RLC\_UMD\_Header\_FixPartLongSN\_Type

TTCN-3 Record Type			
Name	RLC_UMD_Header_FixPartLongSN_Type		
Comment	TS 36.322, clause 6.2.1.3 Figure 6.2.1.3-2, 6.2.1.3-5 and 6.2.1.3-6); two octets		
Reserved	<a href="#">B3_Type</a>		3 bits reserved
FramingInfo	<a href="#">RLC_FramingInfo_Type</a>		2 bits FI
Extension	<a href="#">B1_Type</a>		1 bit E
SequenceNumber	<a href="#">B10_Type</a>		10 bits SN

## RLC\_UMD\_HeaderShortSN\_Type

TTCN-3 Record Type			
Name	RLC_UMD_HeaderShortSN_Type		
Comment			
FixPart	<a href="#">RLC_UMD_Header_FixPartShortSN_Type</a>		
FlexPart	<a href="#">RLC_PDU_Header_FlexPart_Type</a>	opt	

## RLC\_UMD\_HeaderLongSN\_Type

TTCN-3 Record Type			
Name	RLC_UMD_HeaderLongSN_Type		
Comment			
FixPart	<a href="#">RLC_UMD_Header_FixPartLongSN_Type</a>		
FlexPart	<a href="#">RLC_PDU_Header_FlexPart_Type</a>	opt	

## RLC\_DataFieldList\_Type

TTCN-3 Record of Type	
Name	RLC_DataFieldList_Type
Comment	One to one correspondence with sub headers (LengthIndicatorList_Type)
record of <a href="#">RLC_DataField_Type</a>	

## RLC\_UMD\_PDU\_ShortSN\_Type

TTCN-3 Record Type	
Name	RLC_UMD_PDU_ShortSN_Type
Comment	
Header	<a href="#">RLC_UMD_HeaderShortSN_Type</a>
Data	<a href="#">RLC_DataFieldList_Type</a>

## RLC\_UMD\_PDU\_LongSN\_Type

TTCN-3 Record Type	
Name	RLC_UMD_PDU_LongSN_Type
Comment	
Header	<a href="#">RLC_UMD_HeaderLongSN_Type</a>
Data	<a href="#">RLC_DataFieldList_Type</a>

## RLC\_UMD\_PDU\_Type

TTCN-3 Union Type	
Name	RLC_UMD_PDU_Type
Comment	
ShortSN	<a href="#">RLC_UMD_PDU_ShortSN_Type</a>
LongSN	<a href="#">RLC_UMD_PDU_LongSN_Type</a>

## D.2.1.2.4 AM\_Data

RLC PDU definition: AM (TS 36.322, clause 6.2.1.4 and 6.2.1.5)

## RLC\_AMD\_Header\_FixPart\_Type

TTCN-3 Record Type	
Name	RLC_AMD_Header_FixPart_Type
Comment	TS 36.322, clause 6.2.1.4 Figure 6.2.1.4-1, 6.2.1.4-2 and 6.2.1.4-3); 2 or 4 octets
D_C	<a href="#">B1_Type</a> 0 - Control PDU 1 - Data PDU
ReSeg	<a href="#">B1_Type</a> 0 - AMD PDU 1 - AMD PDU segment
Poll	<a href="#">B1_Type</a> 0 - Status report not requested 1 - Status report is requested
FramingInfo	<a href="#">RLC_FramingInfo_Type</a> 2 bit FI
Extension	<a href="#">B1_Type</a> 1 bit E
SN	<a href="#">B10_Type</a> Sequence numbers

### RLC\_AMD\_Header\_SegmentPart\_Type

TTCN-3 Record Type			
Name	RLC_AMD_Header_SegmentPart_Type		
Comment	AMD PDU segment related info in PDU header acc. TS 36.322, clause 6.2.1.5		
LastSegmentFlag	<a href="#">B1_Type</a>		0 - Last byte of the AMD PDU segment does not correspond to the last byte of an AMD PDU 1 - Last byte of the AMD PDU segment corresponds to the last byte of an AMD PDU
SegOffset	<a href="#">B15_Type</a>		The SO field indicates the position of the AMD PDU segment in bytes within the original AMD PDU. Specifically, the SO field indicates the position within the Data field of the original AMD PDU to which the first byte of the Data field of the AMD PDU segment corresponds to.

### RLC\_AMD\_Header\_Type

TTCN-3 Record Type			
Name	RLC_AMD_Header_Type		
Comment			
FixPart	<a href="#">RLC_AMD_Header_FixPart_Type</a>		
SegmentPart	<a href="#">RLC_AMD_Header_SegmentPart_Type</a>	opt	present in case of AMD Seg PDU only
FlexPart	<a href="#">RLC_PDU_Header_FlexPart_Type</a>	opt	

### RLC\_AMD\_PDU\_Type

TTCN-3 Record Type			
Name	RLC_AMD_PDU_Type		
Comment			
Header	<a href="#">RLC_AMD_Header_Type</a>		
Data	<a href="#">RLC_DataFieldList_Type</a>		

#### D.2.1.2.5 AM\_Status

AM Status PDU (TS 36.322, clause 6.2.1.6)

#### AM\_Status: Basic Type Definitions

TTCN-3 Basic Types		
RLC_Status_Padding_Type	bitstring length (1..7)	NOTE: in TTCN-3 length restriction cannot be done inline in record definition => explicit type definition necessary

### RLC\_Status\_ACK\_Type

TTCN-3 Record Type			
Name	RLC_Status_ACK_Type		
Comment			
ACK_SN	<a href="#">B10_Type</a>		Acknowledgement SN (TS 36.322, clause 6.2.2.14)
Extn1	<a href="#">B1_Type</a>		0 - a set of NACK_SN, E1 and E2 does not follow. 1 - a set of NACK_SN, E1 and E2 follows.

**RLC\_Status\_SegOffset\_Type**

TTCN-3 Record Type			
Name	RLC_Status_SegOffset_Type		
Comment			
Start	<a href="#">B15_Type</a>		SOstart field indicates the position of the first byte of the portion of the AMD PDU in bytes within the Data field of the AMD PDU
End	<a href="#">B15_Type</a>		SOend field indicates the position of the last byte of the portion of the AMD PDU in bytes within the Data field of the AMD PDU. The special SOend value '1111111111111111'B is used to indicate that the missing portion of the AMD PDU includes all bytes to the last byte of the AMD PDU

**RLC\_Status\_NACK\_Type**

TTCN-3 Record Type			
Name	RLC_Status_NACK_Type		
Comment			
NACK_SN	<a href="#">B10_Type</a>		
Extn1	<a href="#">B1_Type</a>		0 - A set of NACK_SN, E1 and E2 does not follow. 1 - A set of NACK_SN, E1 and E2 follows.
Extn2	<a href="#">B1_Type</a>		0 - A set of SOstart and SOend does not follow for this NACK_SN. 1 - A set of SOstart and SOend follows for this NACK_SN.
SO	<a href="#">RLC_Status_SegOffset_Type</a>	opt	

**RLC\_Status\_NACK\_List\_Type**

TTCN-3 Record of Type	
Name	RLC_Status_NACK_List_Type
Comment	
record of <a href="#">RLC_Status_NACK_Type</a>	

**RLC\_AM\_StatusPDU\_Type**

TTCN-3 Record Type			
Name	RLC_AM_StatusPDU_Type		
Comment			
D_C	<a href="#">B1_Type</a>		0 - Control PDU 1 - Data PDU
Type	<a href="#">B3_Type</a>		000 - STATUS PDU 001..111 - Reserved (=> PDU to be discarded by the receiving entity for this release of the protocol)
Ack	<a href="#">RLC_Status_ACK_Type</a>		ACK_SN and E1 bit
NackList	<a href="#">RLC_Status_NACK_List_Type</a>	opt	presence depends on Extn1 bit of Ack filed (RLC_Status_ACK_Type)
Padding	<a href="#">RLC_Status_Padding_Type</a>	opt	1..7 bit padding if needed for octet alignment

**RLC\_PDU: Basic Type Definitions**

TTCN-3 Basic Types		
<a href="#">RLC_SDU_Type</a>	octetstring	

## RLC\_PDU\_Type

TTCN-3 Union Type	
Name	RLC_PDU_Type
Comment	
TMD	<a href="#">RLC_TMD_PDU_Type</a>
UMD	<a href="#">RLC_UMD_PDU_Type</a>
AMD	<a href="#">RLC_AMD_PDU_Type</a>
Status	<a href="#">RLC_AM_StatusPDU_Type</a>

## RLC\_PDUList\_Type

TTCN-3 Record of Type	
Name	RLC_PDUList_Type
Comment	
record of <a href="#">RLC_PDU_Type</a>	

## RLC\_SDUList\_Type

TTCN-3 Record of Type	
Name	RLC_SDUList_Type
Comment	
record of <a href="#">RLC_SDU_Type</a>	

## D.2.1.3 PDCP

PDCP user plane SDU and PDU definitions

NOTE:

To allow direct encoding the definition for PDCP Data PDU is split into data PDU with long/short sequence number

## PDCP: Basic Type Definitions

TTCN-3 Basic Types	
PDCP_SDU_Type	octetstring

## PDCP\_SDUList\_Type

TTCN-3 Record of Type	
Name	PDCP_SDUList_Type
Comment	
record of <a href="#">PDCP_SDU_Type</a>	

## PDCP\_DataPdu\_LongSN\_Type

TTCN-3 Record Type		
Name	PDCP_DataPdu_LongSN_Type	
Comment	User plane PDCP Data PDU with long sequence number (TS 36.323, clause 6.2.3)	
D_C	<a href="#">B1_Type</a>	0 - Control PDU 1 - Data PDU
Reserved	<a href="#">B3_Type</a>	
SequenceNumber	<a href="#">B12_Type</a>	12 bit sequence number
SDU	<a href="#">PDCP_SDU_Type</a>	content (octetstring)



**PDCP\_DataPdu\_ShortSN\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>PDCP_DataPdu_ShortSN_Type</b>		
<b>Comment</b>	User plane PDCP Data PDU with short sequence number (TS 36.323, clause 6.2.4)		
D_C	<a href="#">B1_Type</a>		0 - Control PDU 1 - Data PDU
SequenceNumber	<a href="#">B7_Type</a>		7 bit sequence number
SDU	<a href="#">PDCP_SDU_Type</a>		content (octetstring)

**PDCP\_DataPdu\_ExtSN\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>PDCP_DataPdu_ExtSN_Type</b>		
<b>Comment</b>	User plane PDCP Data PDU with extended sequence number (TS 36.323, clause 6.2.9)		
D_C	<a href="#">B1_Type</a>		0 - Control PDU 1 - Data PDU
SequenceNumber	<a href="#">B15_Type</a>		15 bit sequence number
SDU	<a href="#">PDCP_SDU_Type</a>		content (octetstring)

**PDCP\_Ctrl\_ROHC\_FB\_PDU\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>PDCP_Ctrl_ROHC_FB_PDU_Type</b>		
<b>Comment</b>	PDCP Control PDU for interspersed ROHC feedback packet (TS 36.323, clause 6.2.5)		
D_C	<a href="#">B1_Type</a>		0 - Control PDU 1 - Data PDU
Type	<a href="#">B3_Type</a>		000 - PDCP status report 001 - Header Compression Feedback Information 010..111 - reserved
Reserved	<a href="#">B4_Type</a>		
ROHC_FB	octetstring		Contains one ROHC packet with only feedback, i.e. a ROHC packet that is not associated with a PDCP

**PDCP\_Ctrl\_StatusReport\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>PDCP_Ctrl_StatusReport_Type</b>		
<b>Comment</b>	PDCP Control PDU for PDCP status report (TS 36.323, clause 6.2.6)		
D_C	<a href="#">B1_Type</a>		0 - Control PDU 1 - Data PDU
Type	<a href="#">B3_Type</a>		000 - PDCP status report 001 - Header Compression Feedback Information 010..111 - reserved
FMS	<a href="#">B12_Type</a>		PDCP SN of the first missing PDCP SDU.
Bitmap	octetstring	opt	The MSB of the first octet of the type "Bitmap" indicates whether or not the PDCP SDU with the SN (FMS + 1) modulo 4096 has been received and, optionally decompressed correctly. 0 - PDCP SDU with PDCP SN = (FMS + bit position) modulo 4096 is missing in the receiver. The bit position of Nth bit in the Bitmap is N, i.e. the bit position of the first bit in the Bitmap is 1. 1 - PDCP SDU with PDCP SN = (FMS + bit position) modulo 4096 does not need to be retransmitted. The bit position of Nth bit in the Bitmap is N, i.e. the bit position of the first bit in the Bitmap is 1.

### PDCP\_Ctrl\_StatusReportExt\_Type

TTCN-3 Record Type			
Name	<b>PDCP_Ctrl_StatusReportExt_Type</b>		
Comment	PDCP Control PDU for PDCP status report using a 15 bit SN (TS 36.323, clause 6.2.6)		
D_C	<a href="#">B1_Type</a>		0 - Control PDU 1 - Data PDU
Type	<a href="#">B3_Type</a>		000 - PDCP status report 001 - Header Compression Feedback Information 010..111 - reserved
Reserved	<a href="#">B5_Type</a>		5 reserved bits
FMS_Ext	<a href="#">B15_Type</a>		PDCP SN of the first missing PDCP SDU.
Bitmap	octetstring	opt	The MSB of the first octet of the type "Bitmap" indicates whether or not the PDCP SDU with the SN (FMS + 1) modulo (Maximum_PDCP_SN + 1) has been received and, optionally decompressed correctly. 0 - PDCP SDU with PDCP SN = (FMS + bit position) modulo (Maximum_PDCP_SN + 1) is missing in the receiver. The bit position of Nth bit in the Bitmap is N, i.e. the bit position of the first bit in the Bitmap is 1. 1 - PDCP SDU with PDCP SN = (FMS + bit position) modulo (Maximum_PDCP_SN + 1) does not need to be retransmitted. The bit position of Nth bit in the Bitmap is N, i.e. the bit position of the first bit in the Bitmap is 1.

### PDCP\_PDU\_Type

TTCN-3 Union Type		
Name	<b>PDCP_PDU_Type</b>	
Comment		
DataLongSN	<a href="#">PDCP_DataPdu_LongSN_Type</a>	user plane PDCP data PDU with 12 Bit Seq Number
DataShortSN	<a href="#">PDCP_DataPdu_ShortSN_Type</a>	user plane PDCP data PDU with 7 Bit Seq Number
DataExtSN	<a href="#">PDCP_DataPdu_ExtSN_Type</a>	user plane PDCP data PDU with 15 Bit Seq Number
RohcFeedback	<a href="#">PDCP_Ctrl_ROHC_FB_PDU_Type</a>	PDCP Control PDU for interspersed ROHC feedback packet
StatusReport	<a href="#">PDCP_Ctrl_StatusReport_Type</a>	PDCP Control PDU for PDCP status report
StatusReportExt	<a href="#">PDCP_Ctrl_StatusReportExt_Type</a>	PDCP Control PDU for PDCP status report using a 15 bit SN

### PDCP\_PDUList\_Type

TTCN-3 Record of Type	
Name	<b>PDCP_PDUList_Type</b>
Comment	
record of <a href="#">PDCP_PDU_Type</a>	

## D.2.2 DRB\_Primitive\_Definitions

Primitive definitions to send/receive data PDUs over DRB's

## D.2.2.1 DRB\_Common

## U\_PlaneDataList\_Type

TTCN-3 Union Type		
Name	U_PlaneDataList_Type	
Comment	MAC: acc. to rel-8 protocols there is not more than one MAC PDU per TTI; any MAC PDU is completely included in one subframe RLC: one or more RLC PDUs per TTI (e.g. RLC Data + Status PDU on a logical channel; more than one RLC Data PDU in one MAC PDU is valid too) any RLC PDU is completely included in one subframe PDCP: one or more PDUs per TTI; one PDCP PDU may be included in more than one subframe	
MacPdu	<a href="#">MAC_PDUList_Type</a>	SS configuration: RLC TM mode, MAC no header removal (PDCP is not configured)
RlcPdu	<a href="#">RLC_PDUList_Type</a>	SS configuration: RLC TM mode, MAC header removal (PDCP is not configured)
PdcpPdu	<a href="#">PDCP_PDUList_Type</a>	SS configuration: RLC AM/UM mode, PDCP no header removal
PdcpSdu	<a href="#">PDCP_SDUList_Type</a>	SS configuration: RLC AM/UM mode, PDCP header removal
RlcSdu	<a href="#">RLC_SDUList_Type</a>	SS configuration: RLC UM mode with no PDCP, for example MRB

## HarqProcessAssignment\_Type

TTCN-3 Union Type		
Name	HarqProcessAssignment_Type	
Comment	in DL the HARQ process id may be specified by the test case or automatically assigned by SS	
Id	<a href="#">HarqProcessId_Type</a>	HARQ process as specified by the test case NOTE1: the scope of this type is only for data being sent in one TTI; if data needs more than one TTI the HarqProcessId is undefined for the 2nd TTI onward what shall be handled as an error at the SS; SS may send a SYSTEM_IND indicating an error in this case; NOTE2: The initial value of the NDI shall be the same for all HARQ processes and cells
Automatic	<a href="#">Null_Type</a>	HARQ process id automatically assigned by SS

## D.2.2.2 Downlink

## DRB\_DataPerSubframe\_DL\_Type

TTCN-3 Record Type			
Name	<b>DRB_DataPerSubframe_DL_Type</b>		
Comment	<p>common definition for one or several PDUs/SDUs to be sent in the subframe given by the subframe offset;            NOTE 1:            For MAC and RLC PDUs a single PDU is always sent in one subframe;            SS shall raise an error indication (using SYSTEM_IND) when that is not possible            NOTE 2:            For PDCP the data may be spread over more than one subframe (segmented by the RLC);            the TTCN implementation is responsible to calculate appropriate offsets accordingly;            the exact timing depends on (and is exactly specified by) configuration of the DL scheduling;            SS shall raise an error when there is any conflict</p>		
SubframeOffset	integer		<p>subframe offset relative to the absolute timing information given in the common part of the ASP;            NOTE 1:            Notes:            Acc. to TS 36.523-3, clause 7.3.3 in case of TDD or half-duplex configuration only subframes available for DL are taken into consideration            NOTE 2:            if a PDCP PDU or SDU takes more than one subframe, SubframeOffset specifies the first TTI</p>
HarqProcess	<a href="#">HarqProcessAssignment_Type</a>		<p>HARQ process to be used: specific value (0..7) or automatically assigned by SS;            in automatic mode SS chooses HARQ process out of the set configured by CcchDcchDtchConfigDL_Type.HarqProcessConfig            NOTE:            for PDCP SDUs or PDUs automatic mode shall be used;            otherwise SS shall raise an error</p>
PduSduList	<a href="#">U_PlaneDataList_Type</a>		list of PDUs/SDUs to be sent in one TTI

## DRB\_DataPerSubframeList\_DL\_Type

TTCN-3 Record of Type			
Name	<b>DRB_DataPerSubframeList_DL_Type</b>		
Comment	<p>list of user plane data to be sent in sub-frames given by the SubframeOffset in the single elements of the list;            Timing:            the start time for the whole sequence is given by the timing info of the ASP (common information);            the timing for the respective data pdus is given by the SubframeOffset relative to the common timing info;            design consideration:            repetitions of this sequence are not foreseen            (in which case the subframe offset could not be related to the timing info of the ASP)</p>		
record of <a href="#">DRB_DataPerSubframe_DL_Type</a>			

## U\_Plane\_Request\_Type

TTCN-3 Record Type			
Name	<b>U_Plane_Request_Type</b>		
Comment	<p>NOTE: formal type definition to allow later enhancements;            U_Plane_Request_Type defines a sequence of subframes in which data shall be sent</p>		
SubframeDataList	<a href="#">DRB_DataPerSubframeList_DL_Type</a>		

## D.2.2.3 Uplink

## DRB\_DataPerSubframe\_UL\_Type

TTCN-3 Record Type	
Name	<b>DRB_DataPerSubframe_UL_Type</b>
Comment	common definition for one or several PDUs/SDUs being received in one subframe or to receive one PDCP PDU or SDU being spread over more than one TTI; NOTE: There is a fix relation between HARQ process id and subframe in UL => it is not necessary to include HARQ process id for UL data
PduSduList	<a href="#">U_PlaneDataList_Type</a> list of PDUs/SDUs being received in one TTI; elements of the list appear in the same order as the PDUs/SDUs in the MAC PDU; for PDCP when a PDU or SDU takes more than one TTI the list only contains this PDU or SDU
NoOfTTIs	integer in case of PDCP: number of TTIs the SDU or PDU has taken NOTE 1: for the time being the NoOfTTIs is not checked by TTCN-3 and may be set to 1 by SS; NOTE 2: the timing info in common part of the ASP refers to the last TTI NOTE 3: when NoOfTTIs > 1 => PduSduList shall only contain one PDCP PDU or SDU in case of MAC or RLC PDUs: NoOfTTIs shall always be 1 (acc. to TS 36.321 MAC is not doing segmentation of RLC PDUs and acc. to TS 36.322, clause 6.2.2.2 the maximum RLC data is calculated to fit into a MAC PDU and RLC does segmentation accordingly)

## U\_Plane\_Indication\_Type

TTCN-3 Record Type	
Name	<b>U_Plane_Indication_Type</b>
Comment	NOTE: formal type definition to allow later enhancements; U_Plane_Indication_Type defines data being received in a single subframe i.e. PDUs of subsequent TTIs are indicated in separated ASPs
SubframeData	<a href="#">DRB_DataPerSubframe_UL_Type</a>

## D.2.3 MBMS\_MRB\_Primitive\_Definitions

## EUTRA\_MRB\_PORT

TTCN-3 Port Type	
Name	<b>EUTRA_MRB_PORT</b>
Comment	
out	<a href="#">MRB_COMMON_REQ</a>

**MRB\_COMMON\_REQ**

TTCN-3 Record Type			
Name	<b>MRB_COMMON_REQ</b>		
Comment	common ASP to send PDUs to MRBs		
Common	<a href="#">ReqAspCommonPart_Type</a>		CellId : identifier of the cell RoutingInfo : set to Mrb TimingInfo : starting point when to start sending sequence of data PDUs e.g. SFN = X, subframe number = x; U_Plane.SubframeDataList[j].SubframeOffset := offset_i; => U_Plane.SubframeDataList[j].PduSduList shall be sent out at SFN = X + ((x + offset_i) / 10); subframe number = (x + offset_i) % 10 ControlInfo : CnfFlag:=false; FollowOnFlag:=false
U_Plane	<a href="#">U_Plane_Request_Type</a>		

**D.2.4 System\_Interface****DRB\_COMMON\_REQ**

TTCN-3 Record Type			
Name	<b>DRB_COMMON_REQ</b>		
Comment	common ASP to send PDUs to DRBs		
Common	<a href="#">ReqAspCommonPart_Type</a>		CellId : identifier of the cell RoutingInfo : DRB id TimingInfo : starting point when to start sending sequence of data PDUs e.g. SFN = X, subframe number = x; U_Plane.SubframeDataList[j].SubframeOffset := offset_i; => U_Plane.SubframeDataList[j].PduSduList shall be sent out at SFN = X + ((x + offset_i) / 10); subframe number = (x + offset_i) % 10 ControlInfo : CnfFlag:=false; FollowOnFlag:=false
U_Plane	<a href="#">U_Plane_Request_Type</a>		
SuppressPdcch ForC_RNTI	<a href="#">Null_Type</a>	opt	By default all DRB_COMMON_REQ scheduled DL PDU's are associated with an appropriate explicit configured or SS selected DL assignment allocation on PDCCH. For SuppressPdcch:=true in the sub frame in which DL PDU's are transmitted, there is no associated DL assignment allocation for configured C-RNTI. This will be used for SPS assignment based transmission or in any error scenarios; NOTE: this flag has no impact on PDCCH messages required for SPS activation

**DRB\_COMMON\_IND**

TTCN-3 Record Type			
<b>Name</b>	<b>DRB_COMMON_IND</b>		
<b>Comment</b>	common ASP to receive PDUs from DRBs		
Common	<a href="#">IndAspCommonPart_Type</a>		CellId : identifier of the cell RoutingInfo : DRB id TimingInfo : time when message has been received NOTE 1: For MAC and RCL PDUs per definition U_Plane_Indication_Type corresponds to exactly one subframe => TimingInfo refers to this subframe NOTE 2: For PDCP a single PDU or SDU may take more than one TTI => TimingInfo refers to the end of the PDU/SDU and the length is given by NoOfTTIs in U_Plane_Indication_Type (the end of the PDU/SDU is the last RLC PDU being received; in case of retransmissions this is not necessarily the RLC PDU with the last SN)
U_Plane	<a href="#">U_Plane_Indication_Type</a>		

**EUTRA\_DRB\_PORT**

TTCN-3 Port Type			
<b>Name</b>	<b>EUTRA_DRB_PORT</b>		
<b>Comment</b>			
out	<a href="#">DRB_COMMON_REQ</a>		
in	<a href="#">DRB_COMMON_IND</a>		

## D.3 EUTRA\_ASP\_SrbDefs

### D.3.1 SRB\_DATA\_ASPs

ASP Definitions to send/receive peer-to-peer messages on SRBs

**C\_Plane\_Request\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>C_Plane_Request_Type</b>		
<b>Comment</b>	RRC and/or NAS PDU to be send to the UE; Note: it may be necessary to allow more than one NAS PDU (-> "record of") => FFS		
Rrc	<a href="#">RRC_MSG_Request_Type</a>	opt	omit: NAS message shall be present; NAS message shall be sent in DLInformationTransfer present: if NAS message is present also, (piggybacked) NAS PDU shall be security protected (if necessary) and inserted in RRC PDU's DedicatedInfoNAS
Nas	<a href="#">NAS_MSG_RequestList_Type</a>	opt	omit: RRC message shall be present; RRC message does not contain (piggybacked) NAS PDU present: if RRC message is omitted => NAS message shall be sent embedded in DLInformationTransfer if RRC message is present => NAS message is piggybacked in RRC message in case of RRC message is sent on CCCH, NAS message shall be omitted NOTE: acc. DEC 08 ASN.1 RRCConnectionReconfiguration may contain DedicatedInfoNAS several times

**C\_Plane\_Indication\_Type**

TTCN-3 Record Type			
Name	<b>C_Plane_Indication_Type</b>		
Comment	RRC and/or NAS PDU to be received from the UE; Note: it may be necessary to allow more than one NAS PDU (-> "record of") => FFS		
Rrc	<a href="#">RRC_MSG_Indication_Type</a>	opt	omit: NAS message shall be present; NAS message is received in ULInformationTransfer present: if NAS message is present also, DedicatedInfoNAS contains unstructured and ciphered NAS message and the NAS message is the deciphered message in structured format
Nas	NAS_MSG_IndicationList_Type	opt	omit: RRC message shall be present; RRC message does not contain (piggybacked) NAS PDU present: if RRC message is omitted => NAS message has been received in ULInformationTransfer if RRC message is present => NAS message has been piggybacked in RRC message NOTE: even though currently (DEC 08 ASN.1) there is no RRC PDU in UL containing more than one DedicatedInfoNAS we provide a list to allow extensibility

**SRB\_COMMON\_REQ**

TTCN-3 Record Type			
Name	<b>SRB_COMMON_REQ</b>		
Comment	common ASP to send PDUs to SRB0, SRB1 or SRB2		
Common	<a href="#">ReqAspCommonPart_Type</a>		CellId identifier of the cell RoutingInfo SRB0, SRB1, SRB2 TimingInfo Now in normal cases; For latency tests TimingInfo can be set to the SFN/subframe in which the RRC messages shall be sent out (in this case and if the RRC PDU is too long to be sent in one TTI the TimingInfo corresponds to the first TTI) ControllInfo CnfFlag:=false; FollowOnFlag true: Indicates that the message(s) to be sent on the same TTI will follow NOTE 1: When FollowOnFlag is true, TimingInfo shall always be "Now". Otherwise SS shall produce an error NOTE 2: the follow on flag applies only for messages of the same SRB false: Indicates that no more message(s) will follow
Signalling	<a href="#">C_Plane_Request_Type</a>		

**SRB\_COMMON\_IND**

TTCN-3 Record Type			
Name	<b>SRB_COMMON_IND</b>		
Comment	common ASP to receive PDUs from SRB0, SRB1 or SRB2		
Common	<a href="#">IndAspCommonPart_Type</a>		CellId identifier of the cell RoutingInfo SRB0, SRB1, SRB2 TimingInfo time when message has been received (as received from the SS by the NAS emulator)
Signalling	<a href="#">C_Plane_Indication_Type</a>		



## D.3.2 Port\_Definitions

### EUTRA\_SRB\_PORT

TTCN-3 Port Type	
<b>Name</b>	<b>EUTRA_SRB_PORT</b>
<b>Comment</b>	EUTRA PTC: Port for Sending/Receiving data on SRBs
out	<a href="#">SRB_COMMON_REQ</a>
in	<a href="#">SRB_COMMON_IND</a>

### NASEMU\_SRB\_PORT

TTCN-3 Port Type	
<b>Name</b>	<b>NASEMU_SRB_PORT</b>
<b>Comment</b>	NASEMU PTC: Port for Sending/Receiving data on SRBs (interface to EUTRA PTC)
Out	<a href="#">SRB_COMMON_IND</a>
In	<a href="#">SRB_COMMON_REQ</a>

---

## D.4 IP\_ASP\_TypeDefs

General Notes:

NOTE 1:

In general the handling of IP data shall be independent from the RAT being used on lower layers.

NOTE 2:

It shall be possible for SS implementation to reuse existing IP stack implementations in the system adaptor; therefore the well-known concept of socket programming shall be supported (regardless of whether those are used in the system adaptor implementation or not)

NOTE 3:

Since in general at the network side there are several different IP addresses the SS needs to simulate more than one IP address;

that can be based on a concept of multiple virtual network adaptors

NOTE 4:

There is no easy way to control the routing of IP data for an IP connection from above the IP stack

i.e. there are no parameters at the socket interface to determine e.g. cell id and DRB id

=> another independent logical entity (DRB-MUX) is needed below the IP stack which is responsible to control the routing of IP packets from/to DRBs in different cells of different RATs

Reference:

An introduction to socket programming can be found in

UNIX Network Programming Volume 1, Third Edition: The Sockets Networking API

by W. Richard Stevens, Bill Fenner, Andrew M. Rudoff

### D.4.1 IP\_Common

#### IP\_Common: Basic Type Definitions

TTCN-3 Basic Types	
<b>PortNumber_Type</b>	<a href="#">UInt16_Type</a>

## IPv4\_AddrInfo\_Type

TTCN-3 Record Type			
<b>Name</b>	<b>IPv4_AddrInfo_Type</b>		
<b>Comment</b>	IPv4 specific info of the socket addr (AF_INET)		
Addr	charstring		IP Address as string (IP v4 dot notation) to be converted to 32-bit unsigned integer

## IPv6\_AddrInfo\_Type

TTCN-3 Record Type			
<b>Name</b>	<b>IPv6_AddrInfo_Type</b>		
<b>Comment</b>	IPv6 specific info of the socket addr (AF_INET6); NOTE: sin6_flowinfo can be ignored and set to 0		
Addr	charstring		to be converted to sin6_addr
Scopeld	<a href="#">UInt32_Type</a>	opt	sin6_scope_id in general an IPv6 address is like "fe80::1%eth0" with eth0 being the network adaptor mapped to a scope id (Unix) assumption: for UE conformance testing it is not necessary to distinguish different scopes and the scope id in general can be determined by the system adaptor => omit

## IP\_AddrInfo\_Type

TTCN-3 Union Type			
<b>Name</b>	<b>IP_AddrInfo_Type</b>		
<b>Comment</b>			
V4	<a href="#">IPv4_AddrInfo_Type</a>		
V6	<a href="#">IPv6_AddrInfo_Type</a>		

## IP\_Socket\_Type

TTCN-3 Record Type			
<b>Name</b>	<b>IP_Socket_Type</b>		
<b>Comment</b>	Socket		
IpAddr	<a href="#">IP_AddrInfo_Type</a>	opt	IP address
Port	<a href="#">PortNumber_Type</a>	opt	port number

## InternetProtocol\_Type

TTCN-3 Enumerated Type	
<b>Name</b>	<b>InternetProtocol_Type</b>
<b>Comment</b>	
udp	
tcp	
icmp	
icmpv6	

## IP\_Connection\_Type

TTCN-3 Record Type			
<b>Name</b>	<b>IP_Connection_Type</b>		
<b>Comment</b>	A connection between peer-to-peer entities is unambiguously defined by the protocol (udp/tcp/icmp/icmpv4), the local socket and the remote socket		
Protocol	<a href="#">InternetProtocol_Type</a>		
Local	<a href="#">IP_Socket_Type</a>	opt	
Remote	<a href="#">IP_Socket_Type</a>	opt	

## D.4.2 IP\_Config

Configuration of the routing table managed by the system adaptor's DRB-MUX:  
for each IP connection it is specified which

- RAT
- Cell
- DRB

to be used.

The IP connection does not need to be fully specified depending on the role SS plays (e.g. in case of a server role the port number of the remote side is not known in advance).

The configurations of DRBs within the same cell shall be mutual exclusive.

With the configuration of the IP routing the DRB is configured either in IP or in raw mode:

either there are entries for the DRB in the routing table (IP mode) or not (raw mode)

=> It is not necessary to reconfigure this for the respective RAT.

Behaviour of the DRB-MUX in UL:

- SS gets data packet from the lower layers (e.g. PDCP SDU)
- SS checks whether there is any IP connection configured for this DRB (identified by {RAT, CellId, DrbId})
  - if YES => packet is routed to the IP stack (IP mode)
  - if NO => packet is handed over to the DRB port (raw mode)

NOTE 1:

If there is any entry for a DRB in the routing table this DRB is considered as being in IP mode and all UL IP packets are sent to the IP stack regardless of whether their addresses match the DRB's routing entries or not (in general 'unknown' packets are discarded by the IP stack)

=> a DRB can be either in IP or in raw mode

NOTE 2:

=> The SS does not need to evaluate any IP headers to decide whether data shall be routed to the DRB port or to the IP stack (i.e. there is no conflict with unstructured loopback data)

Behaviour of the DRB-MUX in DL:

- SS gets IP packets from the IP stack for an IP connection
- SS compares the IP connection (protocol, local/remote IP Addr) against the IP routing table and checks whether the corresponding protocol stack is configured at the lower layers =>

1. no match:

no entry in the routing table fits to the address in the IP packet  
or the corresponding RB is not configured

=> SS shall raise an error (DRBMUX\_COMMON\_IND\_CNF.Error)

2. one match:

There is exactly one possibility to route the IP packet

=> SS shall send the packet to this RB

3. several matches:

There are more than one DRBs, cells or RATs to which the packet may be routed

=> SS shall raise an error if there is more than one DRB in one cell matching;

if the DRBs belong to different cells or RATs SS shall send the data to all of them  
(whether this may occur in test cases is FFS)

General notes:

NOTE 1:

SS may use the information of the routing table to determine which network adaptors it needs to simulate (implementation dependent);

in general there will be more than one IP address at the network side.

NOTE 2:

In general the routing table is a simplified DL TFT implementation

NOTE 3:

When the routing table is empty all DRBs are in raw mode; this shall be the initial condition at the DRB-MUX;

=> for L2 testing in general (and apart from the preamble) there is no need to use/configure the IP\_PTC; the configuration of the RAT specific U-plane stacks is not affected

**IP\_RoutingInfo\_Type**

TTCN-3 Record Type	
Name	<b>IP_RoutingInfo_Type</b>
Comment	
IpInfo	<p><a href="#">IP_Connection_Type</a></p> <p>IP connection tuple: protocol, local socket, remote socket depending on the role the SS plays the following information may be provided (informative; even less information can be sufficient):</p> <ol style="list-style-type: none"> <li>1. TCP/UDP server                     <ul style="list-style-type: none"> <li>- local IP addr -- provided</li> <li>- local port -- provided</li> <li>- remote IP addr -- omit</li> <li>- remote port -- omit</li> </ul> </li> <li>2. TCP/UDP client                     <ul style="list-style-type: none"> <li>- local IP addr -- provided (to inform SS about the local IP addr for this service)</li> <li>- local port -- omit; for UDP a well-defined port may be defined (protocol dependent, e.g. DHCP)</li> <li>- remote IP addr -- provided</li> <li>- remote port -- provided</li> </ul> </li> <li>3. ICMP (in general ICMP may be mapped only to a single DRB)                     <ul style="list-style-type: none"> <li>- local IP addr -- provided (to inform SS about the local IP addr for this service)</li> <li>- local port -- n/a (shall be set to omit)</li> <li>- remote IP addr -- omit</li> <li>- remote port -- n/a (shall be set to omit)</li> </ul> </li> </ol> <p>NOTE: In case of broadcasts in UL the broadcast address shall match any local IP address; in DL for broadcast services typically no remote IP address is specified in the routing table</p>
DRB	<a href="#">IP_DrbInfo_Type</a>

**IP\_RoutingTable\_Type**

TTCN-3 Record of Type	
Name	<b>IP_RoutingTable_Type</b>
Comment	NOTE: configurations of DRBs within the same cell shall be mutual exclusive
record of <a href="#">IP_RoutingInfo_Type</a>	

**D.4.3 IPsec\_Config**

**IP\_ASP\_TypeDefs: Constant Definitions**

TTCN-3 Basic Types	
<b>tsc_IPsec_SPI_Max</b>	integer 4294967295

**IPsec\_Config: Basic Type Definitions**

TTCN-3 Basic Types	
<b>IPsec_SPI_Type</b>	integer (0.. <a href="#">tsc_IPsec_SPI_Max</a> ) security parameter index for IPsec; According to RFC 2406, SPI values from 0 to 255 are reserved

## IPsec\_IntegrityAlgorithm\_Type

TTCN-3 Enumerated Type	
Name	IPsec_IntegrityAlgorithm_Type
Comment	
hmac_md5_96	
hmac_sha_1_96	

## IPsec\_CipheringAlgorithm\_Type

TTCN-3 Enumerated Type	
Name	IPsec_CipheringAlgorithm_Type
Comment	
des_ede3_cbc	
aes_cbc	
nociph	no ciphering

## IPsec\_SecurityKeys\_Type

TTCN-3 Record Type	
Name	IPsec_SecurityKeys_Type
Comment	to install the security keys
MD5_96Key	bitstring length (128)
SHA_1_96Key	bitstring length (160)
DES_EDE3_C BCKey	bitstring length (192)
AES_CBCKey	bitstring length (128)

## IPsec\_SecurityAssociation\_Type

TTCN-3 Record Type	
Name	IPsec_SecurityAssociation_Type
Comment	single security association (SA); for configuration of an SA at the SS all fields are mandatory; to release an SA the optional information is omitted
SPI	<a href="#">IPsec_SPI_Type</a>
SrcAddress	charstring
DestAddress	charstring
SrcPort	<a href="#">UInt16_Type</a>
DestPort	<a href="#">UInt16_Type</a>
IntegrityAlgorithm	<a href="#">IPsec_IntegrityAlgorithm_Type</a> opt mandatory to set-up an SA
CipheringAlgorithm	<a href="#">IPsec_CipheringAlgorithm_Type</a> opt mandatory to set-up an SA

## IPsec\_SecurityAssociationList\_Type

TTCN-3 Record of Type	
Name	IPsec_SecurityAssociationList_Type
Comment	
	record of <a href="#">IPsec_SecurityAssociation_Type</a>

**IPsec\_Configure\_Type**

TTCN-3 Record Type	
<b>Name</b>	<b>IPsec_Configure_Type</b>
<b>Comment</b>	add new security associations; existing SAs are not affected
SA_List	<a href="#">IPsec_SecurityAssociationList_Type</a>
SecurityKeys	<a href="#">IPsec_SecurityKeys_Type</a>

**IPsec\_Release\_Type**

TTCN-3 Record Type	
<b>Name</b>	<b>IPsec_Release_Type</b>
<b>Comment</b>	release security associations; NOTE: in context with multiple PDNs it cannot be ensured that all SPIs are unique; e.g. the UE may use the same SPI values in different PDNs in which case uniqueness cannot be achieved furthermore it depends on the system implementation how entries in the IPsec SAD and SPD are administrated => to release SAs the SS gets the same information as for configuration but without the security algorithms
SA_List	<a href="#">IPsec_SecurityAssociationList_Type</a>

## D.4.4 IP\_SocketHandling

Handling of IP data and IP connections

NOTE 1:

In general IP connections are distinguished by the tuple {protocol, local socket, remote socket}; this information is used at the interface between TTCN and the system adaptor.

It is up to the system adaptor implementation to associate the IP connection with the internal socket (file descriptor; implementation dependent)

NOTE 2:

In general the association of the IP connections to (internal) sockets and the routing table for the DRB mapping (as configured with IP\_RoutingTable\_Type) are independent from each other

### D.4.4.1 Socket\_Common

**IP\_SockOpt\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>IP_SockOpt_Type</b>
<b>Comment</b>	socket options acc. to the setsockopt system call (i.e. for level=SOL_SOCKET in case of Berkeley socket API); NOTE: only options being relevant for a specific applications (upon a socket) are configured by TTCN other options (e.g. SO_REUSEADDR) are out of TTCN and therefore a matter of system adaptor implementation
SO_BROADCAST	boolean set to true when IP broadcast messages shall be allowed for a port; this is required e.g. in case of DHCP

**IP\_SockOptList\_Type**

TTCN-3 Record of Type	
<b>Name</b>	<b>IP_SockOptList_Type</b>
<b>Comment</b>	
record of <a href="#">IP_SockOpt_Type</a>	

### IP\_SocketError\_Type

TTCN-3 Union Type		
<b>Name</b>	<b>IP_SocketError_Type</b>	
<b>Comment</b>	used to indicate errors related to sockets; the IP_Connection shall contain as much address information as available at the system adaptor	
InvalidAddress	<a href="#">Null_Type</a>	TTCN error: e.g. invalid or incomplete address information
System	integer	system error caused by system call; the integer value may be used for validation but shall not be evaluated by TTCN

## D.4.4.2 Socket\_Datagram

### Socket\_Datagram: Basic Type Definitions

TTCN-3 Basic Types		
<b>Datagram_Content_Type</b>	octetstring	data as sent/received with sendto()/recvfrom() on UDP or ICMP socket; NOTE: For ICMP the data may depend on the socket options (FFS); in general it does not include the IP header and the checksum of the ICMP packet needs to be calculated/checked in TTCN

### Datagram\_DL\_Type

TTCN-3 Record Type		
<b>Name</b>	<b>Datagram_DL_Type</b>	
<b>Comment</b>	datagram to be sent at a UDP or ICMP socket	
Buffer	<a href="#">Datagram_Content_Type</a>	content of the IP packet

### Datagram\_UL\_Type

TTCN-3 Record Type		
<b>Name</b>	<b>Datagram_UL_Type</b>	
<b>Comment</b>	datagram as received on a UDP or ICMP socket	
Buffer	<a href="#">Datagram_Content_Type</a>	content of the IP packet
DrbInfo	<a href="#">IP_DrbInfo_Type</a>	opt "interface id" where the data comes from in case of broadcast or multicast packets: for the LTE test model this is the DRB on which the IP packet has been received; the information is necessary when the SS cannot resolve an IP address being assigned to that DRB. => when the SS provides a broadcast or multicast address as local address in the ConnectionId of the ASP, the SS shall provide the DRB information in this field When the ConnectionId of the ASP is fully specified and unique (unicast address at least for local address) the DrbId is ignored by TTCN

## D.4.4.3 TCP\_Socket

TCP primitives used on the IP port

**TCP\_Socket: Basic Type Definitions**

TTCN-3 Basic Types		
<b>TCP_Data_Type</b>	octetstring	data as sent/received with send()/recv() on a TCP socket

**InternetApplication\_Type**

TTCN-3 Enumerated Type	
<b>Name</b>	<b>InternetApplication_Type</b>
<b>Comment</b>	as TCP is stream oriented SS may need information about which criteria to be applied to get start/end of an application message
ims	
http	

**TCP\_ConnectRequest\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>TCP_ConnectRequest_Type</b>		
<b>Comment</b>	TCP client: -> 'connect' system call		
SockOptList	<a href="#">IP_SockOptList_Type</a>		when there are no options to configure the list is empty
Application	<a href="#">InternetApplication_Type</a>		to specify start/end criteria for application messages

**TCP\_Listen\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>TCP_Listen_Type</b>		
<b>Comment</b>	TCP server: -> 'listen' system call		
SockOptList	<a href="#">IP_SockOptList_Type</a>		when there are no options to configure the list is empty
Application	<a href="#">InternetApplication_Type</a>		to specify start/end criteria for application messages



## TCP\_CtrlRequest\_Type

TTCN-3 Union Type		
Name	TCP_CtrlRequest_Type	
Comment		
ConnectReq	<a href="#">TCP_ConnectRequest_Type</a>	<p>request a 'connect' to a remote server</p> <p>system calls (informative)  socket -- get file descriptor  (setsockopt) -- normally not needed  bind -- assign local IP addr (to cope with multiple IP addresses) and dedicated port number (if local port is given)  connect -- connect to the client</p> <p>IP_Connection:  protocol -- tcp  local IP addr -- mandatory to distinguish different network adaptors  local port -- omit (ephemeral port will be assigned by the system) or specific port to be used for this connection (e.g. to bind a given port number to the IMS client)  remote IP addr -- mandatory  remote port -- mandatory</p>
Listen	<a href="#">TCP_Listen_Type</a>	<p>establish a server at the local (SS) side</p> <p>system calls (informative)  socket -- get file descriptor  (setsockopt) -- if needed  bind -- assign local IP addr and port  listen -- await incoming connection</p> <p>IP_Connection:  protocol -- tcp  local IP addr -- mandatory to distinguish different network adaptors  local port -- mandatory  remote IP addr -- omit  remote port -- omit</p>
Close	<a href="#">Null_Type</a>	<p>close a connection</p> <p>system calls (informative):  close</p> <p>IP_Connection:  protocol -- tcp  local IP addr -- mandatory  local port -- mandatory  remote IP addr -- mandator for TCP connections, omit for TCP server y  remote port -- mandator for TCP connections, omit for TCP server y</p>

## TCP\_DataRequest\_Type

TTCN-3 Union Type		
Name	TCP_DataRequest_Type	
Comment		
Send	<a href="#">TCP_Data_Type</a>	<p>send data</p> <p>system calls (informative): send or write</p> <p>IP_Connection: protocol -- tcp local IP addr -- mandatory local port -- mandatory remote IP addr -- mandatory remote port -- mandatory</p>

## TCP\_CtrlIndication\_Type

TTCN-3 Union Type		
Name	TCP_CtrlIndication_Type	
Comment		
ConnectCnf	<a href="#">Null_Type</a>	<p>confirm a 'connect' to a remote server</p> <p>system calls (informative):            getsockname -- get local port (ephemeral port assigned by the system)</p> <p>IP_Connection:            protocol -- tcp            local IP addr -- mandatory (as in corresponding TCP_ConnectRequest)            local port -- mandatory (if there is more than one connection to the same server the local port is necessary to distinguish the connections)            remote IP addr -- mandatory (as in corresponding TCP_ConnectRequest)            remote port -- mandatory (as in corresponding TCP_ConnectRequest)</p>
Accept	<a href="#">Null_Type</a>	<p>sent by the SS when it 'accepts' an incoming connection</p> <p>system calls (informative):            accept</p> <p>IP_Connection:            protocol -- tcp            local IP addr -- mandatory (as in corresponding TCP_ListenRequest)            local port -- mandatory (as in corresponding TCP_ListenRequest)            remote IP addr -- mandatory (as gotten from 'accept')            remote port -- mandatory (as gotten from 'accept')</p>
Close	<a href="#">Null_Type</a>	<p>indicate 'close' by the remote side</p> <p>system calls (informative):            indicated by recv or read</p> <p>IP_Connection:            protocol -- tcp            local IP addr -- mandatory            local port -- mandatory            remote IP addr -- mandatory            remote port -- mandatory</p>
CloseCnf	<a href="#">Null_Type</a>	<p>Confirmation for 'close' request; necessary since for TCP there are IP packets to release the connection</p> <p>system calls (informative):            close</p> <p>IP_Connection:            protocol -- tcp            local IP addr -- mandatory            local port -- mandatory            remote IP addr -- mandatory for TCP connections, omit for TCP server            remote port -- mandatory for TCP connections, omit for TCP server</p>

**TCP\_DataIndication\_Type**

TTCN-3 Union Type		
Name	<b>TCP_DataIndication_Type</b>	
Comment		
Recv	<a href="#">TCP_Data_Type</a>	receive data  system calls (informative): recv or read  IP_Connection: protocol -- tcp local IP addr -- mandatory local port -- mandatory remote IP addr -- mandatory remote port -- mandatory

**D.4.4.4 UDP\_Socket**

UDP primitives used on the IP port

NOTE:

In principle a UDP socket may communicate with different remote entities;  
 therefore the system adaptor may associate the socket handle with the local socket only  
 (local IP address and local port)

**UDP\_SocketReq\_Type**

TTCN-3 Record Type		
Name	<b>UDP_SocketReq_Type</b>	
Comment	to establish a UDP server or to bind local port number	
SockOptList	<a href="#">IP_SockOptList_Type</a>	e.g. to allow broadcast messages; when there are no options to configure the list is empty

## UDP\_CtrlRequest\_Type

TTCN-3 Union Type		
Name	UDP_CtrlRequest_Type	
Comment		
SocketReq	<a href="#">UDP_SocketReq_Type</a>	<p>request the system adaptor to bind a socket to a local address; this is needed in general when the system adaptor acts as</p> <ol style="list-style-type: none"> <li>1. UDP server</li> <li>2. UDP client when it uses a well-known port rather than an ephemeral port (this is e.g. for DHCP)</li> <li>3. UDP client when a local address needs to be bond (e.g. when there are several local addresses)</li> </ol> <p>system calls (informative):  socket -- get file descriptor  (setsockopt) -- needed e.g. to allow broad cast message  bind -- assign local IP address (to cope with multiple IP addresses) and local port (in case of well-known local port)</p> <p>IP_Connection:  protocol -- udp  local IP addr -- mandatory (to distinguish multiple IP addresses)  local port -- optional (mandatory in case of a UDP server)  remote IP addr -- omit  remote port -- omit</p>
Close	<a href="#">Null_Type</a>	<p>release local socket</p> <p>system calls (informative):  close</p> <p>IP_Connection:  protocol -- udp  local IP addr -- mandatory (to identify local socket)  local port -- mandatory (to identify local socket)  remote IP addr -- omit  remote port -- omit</p>

## UDP\_DataRequest\_Type

TTCN-3 Union Type		
Name	UDP_DataRequest_Type	
Comment		
SendTo	<a href="#">Datagram_DL_Type</a>	<p>send data to (any) remote socket;  NOTE:  To simplify implementation of the system adaptor the local socket shall be bond in any case (using 'SocketReq') to specify the local IP address before sending data;  (in general the sendto system call can be used without explicitly binding the socket before;  in this case the port gets implicitly bond to an ephemeral port and the default IP address is used)</p> <p>system calls (informative):  sendto</p> <p>IP_Connection:  protocol -- udp  local IP addr -- mandatory (to identify local socket)  local port -- mandatory (to identify local socket)  remote IP addr -- mandatory (to address remote socket)  remote port -- mandatory (to address remote socket)</p>

**UDP\_CtrlIndication\_Type**

TTCN-3 Union Type		
Name	UDP_CtrlIndication_Type	
Comment		
SocketCnf	<a href="#">Null_Type</a>	confirm 'SocketReq' and tell TTCN about assignment of ephemeral port;  system calls (informative): getsockname -- get local port (ephemeral port assigned by the system; not needed if local port is well-known)  IP_Connection: protocol -- udp local IP addr -- mandatory local port -- mandatory (well-known or ephemeral port assigned by the system) remote IP addr -- omit remote port -- omit

**UDP\_DataIndication\_Type**

TTCN-3 Union Type		
Name	UDP_DataIndication_Type	
Comment		
RecvFrom	<a href="#">Datagram_UL_Type</a>	receive data;  system calls (informative): recvfrom -- get data and src addr  IP_Connection: protocol -- udp local IP addr -- mandatory (see note) local port -- mandatory remote IP addr -- mandatory (as gotten from recvfrom) remote port -- mandatory (as gotten from recvfrom)  NOTE: The UE may send a UDP packet as broadcast (IP Addr 255.255.255.255 - e.g. in case of DHCP) or multicast (e.g. ICMPv6) SS shall consider a broadcast address as matching every IP for UL and DL; the SS shall not replace the broadcast/multicast address by the local unicast address, but shall provide DRB information in RecvFrom; example: - SS gets DHCPDISCOVER with DEST_Addr=255.255.255.255 DEST_Port=67, SRC_Addr=0.0.0.0 SRC_Port=68 - TTCN gets DHCPDISCOVER with local Addr=(255.255.255.255 Port=67), remote Addr=(0.0.0.0 Port=68), DrbId=(LTE, cell1, DRB1) - TTCN sends DHCPOFFER with local Addr=(local IP Addr Port=67), remote Addr=(255.255.255.255 Port=68)

**D.4.4.5 ICMP\_Socket**

ICMP primitives used on the IP port

NOTE:

the local side is identified by the protocol and in general by the local IP address

**ICMP\_SocketReq\_Type**

TTCN-3 Record Type	
<b>Name</b>	<b>ICMP_SocketReq_Type</b>
<b>Comment</b>	to establish a raw socket to send/receive ICMP packets
SocketOptList	<a href="#">IP_SocketOptList_Type</a> e.g. to set the IP_HDRINCL socket option (to include the IP header in the data buffer) -> FFS when there are no options to configure the list is empty

**ICMP\_CtrlRequest\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>ICMP_CtrlRequest_Type</b>
<b>Comment</b>	
SocketReq	<a href="#">ICMP_SocketReq_Type</a> request the system adaptor to open a raw socket (IPv4 or IPv6)  system calls (informative): socket -- get file descriptor (IPPROTO_ICMP or IPPROTO_IPV6); (setsockopt) -- optional; to set socket options bind -- assign local IP address (to cope with multiple IP addresses)  IP_Connection: protocol -- icmp or icmpv6 local IP addr -- mandatory (to distinguish multiple IP addresses) local port -- omit (not applicable for ICMP) remote IP addr -- omit remote port -- omit (not applicable for ICMP)
Close	<a href="#">Null_Type</a> release local socket  system calls (informative): close  IP_Connection: protocol -- icmp or icmpv6 local IP addr -- mandatory (to identify local socket) local port -- omit remote IP addr -- omit remote port -- omit

**ICMP\_DataRequest\_Type**

TTCN-3 Union Type	
<b>Name</b>	<b>ICMP_DataRequest_Type</b>
<b>Comment</b>	
SendTo	<a href="#">Datagram_DL_Type</a> send datagram  system calls (informative): sendto  IP_Connection: protocol -- icmp or icmpv6 local IP addr -- mandatory (to identify local socket) local port -- omit remote IP addr -- mandatory remote port -- omit

**ICMP\_CtrlIndication\_Type**

TTCN-3 Union Type		
Name	<b>ICMP_CtrlIndication_Type</b>	
Comment		
SocketCnf	<a href="#">Null_Type</a>	confirm 'SocketReq'  system calls (informative): (SocketCnf is sent when all system calls for SocketReq have been successful)  IP_Connection: protocol -- icmp or icmpv6 local IP addr -- mandatory local port -- omit remote IP addr -- omit remote port -- omit

**ICMP\_DataIndication\_Type**

TTCN-3 Union Type		
Name	<b>ICMP_DataIndication_Type</b>	
Comment		
RecvFrom	<a href="#">Datagram_UL_Type</a>	receive datagram  system calls (informative): recvfrom -- get data and src addr  IP_Connection: protocol -- icmp or icmpv6 local IP addr -- mandatory (see note) local port -- omit remote IP addr -- mandatory (as gotten from recvfrom) remote port -- omit  NOTE: As for UDP there may be multicast/broadcast packets. In this case - as for UDP - the SS shall provide the DRB information in RecvFrom.

**D.4.4.6 Socket\_Primitives**

**IP\_CtrlRequest\_Type**

TTCN-3 Union Type		
Name	<b>IP_CtrlRequest_Type</b>	
Comment		
TCP	<a href="#">TCP_CtrlRequest_Type</a>	
UDP	<a href="#">UDP_CtrlRequest_Type</a>	
ICMP	<a href="#">ICMP_CtrlRequest_Type</a>	

**IP\_DataRequest\_Type**

TTCN-3 Union Type		
Name	<b>IP_DataRequest_Type</b>	
Comment		
TCP	<a href="#">TCP_DataRequest_Type</a>	
UDP	<a href="#">UDP_DataRequest_Type</a>	
ICMP	<a href="#">ICMP_DataRequest_Type</a>	



## IP\_CtrlIndication\_Type

TTCN-3 Union Type	
Name	IP_CtrlIndication_Type
Comment	
TCP	<a href="#">TCP_CtrlIndication_Type</a>
UDP	<a href="#">UDP_CtrlIndication_Type</a>
ICMP	<a href="#">ICMP_CtrlIndication_Type</a>
Error	<a href="#">IP_SocketError_Type</a>

## IP\_DataIndication\_Type

TTCN-3 Union Type	
Name	IP_DataIndication_Type
Comment	
TCP	<a href="#">TCP_DataIndication_Type</a>
UDP	<a href="#">UDP_DataIndication_Type</a>
ICMP	<a href="#">ICMP_DataIndication_Type</a>

## D.4.5 System\_Interface

## DRBMUX\_CONFIG\_REQ

TTCN-3 Union Type	
Name	DRBMUX_CONFIG_REQ
Comment	NOTE 1: There is just one primitive to configure the whole routing table. It is not foreseen to add, remove or manipulate single entries but the table is managed in TTCN and completely configured on any change; (otherwise it might get complicated to identify single entries) NOTE 2: the SS's routing table shall be empty at the beginning and can be cleared by an empty record (DRBMUX_CONFIG_REQ.RoutingInfo = {}) NOTE 3: In general a reconfiguration of the routing table during a test case would be necessary only if an ephemeral port is needed to distinguish different routing (e.g. when there are several TCP connections of the same service routed to different DRBs)
RoutingInfo	<a href="#">IP_RoutingTable_Type</a>

## DRBMUX\_COMMON\_IND\_CNF

TTCN-3 Union Type	
Name	DRBMUX_COMMON_IND_CNF
Comment	
Confirm	<a href="#">Null_Type</a> confirm DRBMUX_CONFIG_REQ
Error	<a href="#">Null_Type</a> indication of errors at the DRB-MUX: An Error shall be raised by the DRB-MUX e.g. in the following cases: - in DL when there are IP packets which cannot be routed to any DRB i.e. the IP packet does not match to any entry in the routing table or the corresponding RB is not configured - in DL when there are several DRBs possible for routing in the same cell

## IPSEC\_CONFIG\_REQ

TTCN-3 Union Type	
Name	IPSEC_CONFIG_REQ
Comment	
Configure	<a href="#">IPsec Configure Type</a>
Release	<a href="#">IPsec Release Type</a>

## IPSEC\_CONFIG\_CNF

TTCN-3 Union Type	
Name	IPSEC_CONFIG_CNF
Comment	
Confirm	<a href="#">Null Type</a> confirm IPSEC_CONFIG_REQ
Error	<a href="#">Null Type</a> to indicate invalid configuration of IPsec

## IP\_SOCKET\_CTRL\_REQ

TTCN-3 Record Type	
Name	IP_SOCKET_CTRL_REQ
Comment	
ConnectionId	<a href="#">IP Connection Type</a>
Req	<a href="#">IP_CtrlRequest Type</a>

## IP\_SOCKET\_DATA\_REQ

TTCN-3 Record Type	
Name	IP_SOCKET_DATA_REQ
Comment	
ConnectionId	<a href="#">IP Connection Type</a>
Req	<a href="#">IP_DataRequest Type</a>

## IP\_SOCKET\_CTRL\_IND

TTCN-3 Record Type	
Name	IP_SOCKET_CTRL_IND
Comment	
ConnectionId	<a href="#">IP Connection Type</a>
Ind	<a href="#">IP_CtrlIndication Type</a>

## IP\_SOCKET\_DATA\_IND

TTCN-3 Record Type	
Name	IP_SOCKET_DATA_IND
Comment	
ConnectionId	<a href="#">IP Connection Type</a>
Ind	<a href="#">IP_DataIndication Type</a>

## IP\_SOCKET\_REQ

TTCN-3 Union Type	
Name	IP_SOCKET_REQ
Comment	
CTRL	<a href="#">IP_SOCKET_CTRL_REQ</a>
DATA	<a href="#">IP_SOCKET_DATA_REQ</a>

## IP\_SOCKET\_IND

TTCN-3 Union Type	
Name	IP_SOCKET_IND
Comment	
CTRL	<a href="#">IP_SOCKET_CTRL_IND</a>
DATA	<a href="#">IP_SOCKET_DATA_IND</a>

## IP\_CONTROL\_PORT

TTCN-3 Port Type	
Name	IP_CONTROL_PORT
Comment	
out	<a href="#">DRBMUX_CONFIG_REQ</a>
in	<a href="#">DRBMUX_COMMON_IND_CNF</a>

## IPSEC\_CONTROL\_PORT

TTCN-3 Port Type	
Name	IPSEC_CONTROL_PORT
Comment	
out	<a href="#">IPSEC_CONFIG_REQ</a>
in	<a href="#">IPSEC_CONFIG_CNF</a>

## IP\_SOCKET\_PORT

TTCN-3 Port Type	
Name	IP_SOCKET_PORT
Comment	
out	<a href="#">IP_SOCKET_REQ</a>
in	<a href="#">IP_SOCKET_IND</a>

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## D.5 NasEmu\_AspTypes

System interface between NAS emulation and system adaptor

## D.5.1 System\_Interface

## RRC\_PDU\_REQ

TTCN-3 Record Type		
Name	<b>RRC_PDU_REQ</b>	
Comment		
Common	<a href="#">ReqAspCommonPart_Type</a>	<p>CellId : identifier of the cell  RoutingInfo : SRB0, SRB1, SRB2  TimingInfo : Now in normal cases;  For latency tests TimingInfo can be set to the SFN/subframe in which the RRC messages shall be sent out  NOTE 1: if the RRC PDU is too long to be sent in one TTI the TimingInfo corresponds to the first TTI  NOTE 2: the TimingInfo is not changed by the NAS Emu (i.e. the timing info as coming from the test case (SRB_COMMON_REQ) is handed through by the NAS Emu)  ControllInfo  CnflFlag:=false;  FollowOnFlag  true: Indicates that the message(s) to be sent on the same TTI will follow  NOTE 1: If the TimingInfo is not the same for messages to be sent on the same TTI, the SS shall produce an error  NOTE 2: the follow on flag applies only for messages of the same SRB  false: Indicates that no more message(s) will follow</p>
RrcPdu	<a href="#">RRC_MSG_Request_Type</a>	

## RRC\_PDU\_IND

TTCN-3 Record Type		
Name	<b>RRC_PDU_IND</b>	
Comment	common ASP to receive PDUs from SRB0, SRB1 or SRB2	
Common	<a href="#">IndAspCommonPart_Type</a>	<p>CellId : identifier of the cell  RoutingInfo : SRB0, SRB1, SRB2  TimingInfo : time when message has been received (frame and sub-frame number); this is handed through to the test case by the NAS emulation  NOTE: normally an RRC PDU is expected in one TTI; nevertheless if it is spread over more than one TTIs TimingInfo shall refer to the end of the PDU i.e. to the last RLC PDU being received;  Status : OK or RRC integrity error</p>
RrcPdu	<a href="#">RRC_MSG_Indication_Type</a>	

## NASEMU\_SYSTEM\_PORT

TTCN-3 Port Type		
Name	<b>NASEMU_SYSTEM_PORT</b>	
Comment	NASEMU PTC: Port for Sending/Receiving data to/from the SYSTEM Interface	
out	<a href="#">RRC_PDU_REQ</a>	
in	<a href="#">RRC_PDU_IND</a>	

## D.6 EUTRA\_CommonDefs

### D.6.1 Common\_Types

#### Common\_Types: Basic Type Definitions

TTCN-3 Basic Types		
<b>HarqProcessId_Type</b>	integer (0..14)	The values 0..7 represent the ID of HARQ process ID; value
<b>RedundancyVersion_Type</b>	integer (0..3)	used in EUTRA_ASP_DrbDefs and EUTRA_ASP_Typedefs
<b>ContentionResolutionId_Type</b>	bitstring length(48)	used in EUTRA_ASP_DrbDefs and EUTRA_ASP_Typedefs

#### HarqProcessList\_Type

TTCN-3 Record of Type	
<b>Name</b>	<b>HarqProcessList_Type</b>
<b>Comment</b>	list of HARQ processes: each element shall be unique
record length(0..14) of <a href="#">HarqProcessId_Type</a>	

#### RRC\_MSG\_Request\_Type

TTCN-3 Union Type	
<b>Name</b>	<b>RRC_MSG_Request_Type</b>
<b>Comment</b>	DL RRC PDU on CCCH or DCCH
Ccch	DL_CCCH_Message
Dcch	DL_DCCH_Message

#### RRC\_MSG\_Indication\_Type

TTCN-3 Union Type	
<b>Name</b>	<b>RRC_MSG_Indication_Type</b>
<b>Comment</b>	UL RRC PDU on CCCH or DCCH
Ccch	UL_CCCH_Message
Dcch	UL_DCCH_Message

### D.6.2 Common\_Constants

#### EUTRA\_CommonDefs: Constant Definitions

TTCN-3 Basic Types			
<b>tsc_EUTRA_MaxNumberOfCells</b>	integer	20	Maximum number of cells; in TS 36.508 in, clause 4.4.2 and 6.3.2.2 there are tables for cells being used in non-NAS and NAS test cases; in both cases less than 20 cells are listed

## D.6.3 RRC\_Nested\_Types

### RRC\_Nested\_Types: Basic Type Definitions

TTCN-3 Basic Types		
SiWindowLength_Type	SystemInformationBlockType1.si_WindowLength	
SiPeriodicity_Type	SchedulingInfoList[0].si_Periodicity	
M_TMSI_Type	S_TMSI.m_TMSI	
MME_GroupId_Type	RegisteredMME.m_megi	
PrioritizedBitRate_Type	LogicalChannelConfig.ul_SpecificParameters.prioritisedBitRate	
DL_Bandwidth_Type	CarrierBandwidthEUTRA.dl_Bandwidth	
UL_Bandwidth_Type	CarrierBandwidthEUTRA.ul_Bandwidth	
Ra_PreambleIndex_Type	RACH_ConfigDedicated.ra_PreambleIndex	
CipheringAlgorithm_Type	SecurityAlgorithmConfig.cipheringAlgorithm	
IntegrityProtAlgorithm_Type	SecurityAlgorithmConfig.integrityProtAlgorithm	
P_b_Type	PDSCH_ConfigCommon.p_b	
SearchWindowSize_Type	SystemInformationBlockType8.searchWindowSize	
SCellPathlossReferenceLinking_Type	UplinkPowerControlDedicatedSCell_r10.pathlossReferenceLinking_r10	
MAC_MainConfig_ScellDeactivationTimer_Type	MAC_MainConfig.mac_MainConfig_v10_20.sCellDeactivationTimer_r10	
CrossSchedulingCarrierInfo_Type	CrossCarrierSchedulingConfig_r10.schedulingCellInfo_r10.other_r10	
NotificationIndicator_r9_Type	MBSFN_AreaInfo_r9.notificationIndicator_r9	
Mbsfn_Areald_r9_Type	MBSFN_AreaInfo_r9.mbsfn_Areald_r9	
LogicalChannelIdentity_r9_Type	MBMS_SessionInfo_r9.logicalChannelIdentity_r9	

## D.6.4 ASP\_CommonPart

Definition of ASP common parts for REQ-, CNF- and IND-ASPs

### D.6.4.1 ASP\_CommonPart\_Definitions

#### D.6.4.1.1 Routing\_Info

### EUTRA\_CommonDefs: Constant Definitions

TTCN-3 Basic Types			
tsc_MaxRB	integer	maxDRB + 3	DRBs + 3 SRBs
tsc_SRB0	integer	0	
tsc_SRB1	integer	1	
tsc_SRB2	integer	2	
tsc_DRB1	DRB_Identity	1	
tsc_DRB2	DRB_Identity	2	
tsc_DRB3	DRB_Identity	3	
tsc_DRB4	DRB_Identity	4	
tsc_DRB5	DRB_Identity	5	
tsc_DRB6	DRB_Identity	6	
tsc_DRB7	DRB_Identity	7	
tsc_DRB8	DRB_Identity	8	

## Routing\_Info: Basic Type Definitions

TTCN-3 Basic Types		
SRB_Identity_Type	integer ( <a href="#">tsc SRB0</a> , <a href="#">tsc SRB1</a> , <a href="#">tsc SRB2</a> )	SRB0 to be covered as well
CarrierAggregationInfo_Type	<a href="#">Null_Type</a>	additional routing information for carrier aggregation; FFS

## DRB\_IdentityList\_Type

TTCN-3 Record of Type	
Name	DRB_IdentityList_Type
Comment	
record of DRB_Identity	

## RadioBearerId\_Type

TTCN-3 Union Type	
Name	RadioBearerId_Type
Comment	
Srb	<a href="#">SRB_Identity_Type</a>
Drb	DRB_Identity
Mrb	<a href="#">MRB_Identity_Type</a>

## RoutingInfo\_Type

TTCN-3 Union Type	
Name	RoutingInfo_Type
Comment	
None	<a href="#">Null_Type</a>
RadioBearerId	<a href="#">RadioBearerId_Type</a>

## D.6.4.1.2 Timing\_Info

## Timing\_Info: Basic Type Definitions

TTCN-3 Basic Types		
SystemFrameNumber_Type	integer (0..1023)	
SubFrameNumber_Type	integer (0..9)	

## SubFrameInfo\_Type

TTCN-3 Union Type	
Name	SubFrameInfo_Type
Comment	
Number	<a href="#">SubFrameNumber_Type</a>
Any	<a href="#">Null_Type</a> no specific sub-frame (valid for REQ ASPs only)

## SystemFrameNumberInfo\_Type

TTCN-3 Union Type	
Name	SystemFrameNumberInfo_Type
Comment	
Number	<a href="#">SystemFrameNumber_Type</a>
Any	<a href="#">Null_Type</a> no specific frame number (valid for REQ ASPs only)

## SubFrameTiming\_Type

TTCN-3 Record Type			
Name	SubFrameTiming_Type		
Comment			
SFN	<a href="#">SystemFrameNumberInfo_Type</a>		
Subframe	<a href="#">SubFrameInfo_Type</a>		

## TimingInfo\_Type

TTCN-3 Union Type			
Name	TimingInfo_Type		
Comment			
SubFrame	<a href="#">SubFrameTiming_Type</a>		
Now	<a href="#">Null_Type</a>		to be used in REQ ASPs when there is no 'activation time'
None	<a href="#">Null_Type</a>		only to be used in SYSTEM_CTRL_CNF but not for EnquireTiming

## D.6.4.2 REQ\_ASP\_CommonPart

## ReqAspControllInfo\_Type

TTCN-3 Record Type			
Name	ReqAspControllInfo_Type		
Comment			
CnfFlag	boolean		<p>true =&gt; SS shall send CNF: when the REQ is with no timing information (no activation time), SS shall send the confirmation when the configuration is done, i.e. when the test case may continue.</p> <p>Example: when there is a configuration follow by a send event it shall not be necessary to have a wait timer in between but the CNF triggers the send event.</p> <p>If there are other triggers e.g. like the UE sending a message, CnfFlag shall be set to false by the test case to avoid racing conditions with the CNF and the signalling message.</p> <p>When there is an activation time SS shall send the CNF after the configuration has been scheduled; that means SS shall not wait until the activation time has been expired.</p>
FollowOnFlag	boolean		<p>false =&gt; no further (related) information</p> <p>true: further related information will be sent to SS (semantics depending on respective ASP)</p>

## ReqAspCommonPart\_Type

TTCN-3 Record Type			
Name	ReqAspCommonPart_Type		
Comment			
CellId	<a href="#">EUTRA_CellId_Type</a>		
RoutingInfo	<a href="#">RoutingInfo_Type</a>		
TimingInfo	<a href="#">TimingInfo_Type</a>		
ControllInfo	<a href="#">ReqAspControllInfo_Type</a>		
CA_Info	<a href="#">CarrierAggregationInfo_Type</a>	opt	place holder for additional routing information for carrier aggregation



## D.6.4.3 CNF\_ASP\_CommonPart

## ConfirmationResult\_Type

TTCN-3 Union Type		
Name	ConfirmationResult_Type	
Comment		
Success	<a href="#">Null_Type</a>	
Error	integer	may contain SS specific error code; this will not be evaluated by TTCN

## CnfAspCommonPart\_Type

TTCN-3 Record Type		
Name	CnfAspCommonPart_Type	
Comment		
CellId	<a href="#">EUTRA_CellId_Type</a>	
RoutingInfo	<a href="#">RoutingInfo_Type</a>	
TimingInfo	<a href="#">TimingInfo_Type</a>	
Result	<a href="#">ConfirmationResult_Type</a>	

## D.6.4.4 IND\_ASP\_CommonPart

## IntegrityErrorIndication\_Type

TTCN-3 Record Type		
Name	IntegrityErrorIndication_Type	
Comment		
Nas	boolean	NAS Integrity: set to true when received MAC does not match calculated MAC
Pdcp	boolean	PDCP Integrity: set to true when received MAC does not match calculated MAC

## ErrorIndication\_Type

TTCN-3 Record Type		
Name	ErrorIndication_Type	
Comment		
Integrity	<a href="#">IntegrityErrorIndication_Type</a>	Integrity error: received MAC does not match calculated MAC
System	integer	any other error: may be SS specific error code; this will not be evaluated by TTCN; e.g. an error shall be raised when the UE requests retransmission of an RLC PDU

## IndicationStatus\_Type

TTCN-3 Union Type		
Name	IndicationStatus_Type	
Comment		
Ok	<a href="#">Null_Type</a>	
Error	<a href="#">ErrorIndication_Type</a>	

## IndAspCommonPart\_Type

TTCN-3 Record Type			
Name	IndAspCommonPart_Type		
Comment			
CellId	<a href="#">EUTRA_CellId_Type</a>		
RoutingInfo	<a href="#">RoutingInfo_Type</a>		
TimingInfo	<a href="#">TimingInfo_Type</a>		
Status	<a href="#">IndicationStatus_Type</a>		
CA_Info	<a href="#">CarrierAggregationInfo_Type</a>	opt	place holder for additional routing information for carrier aggregation

## D.6.5 CA\_CommonDefs

Common definitions for carrier aggregation needed for configuration of the SS (EUTRA\_ASP\_TypeDefs) as well as for MAC test cases (EUTRA\_ASP\_DrbDefs)

## CA\_CommonDefs: Basic Type Definitions

TTCN-3 Basic Types		
MAC_CTRL_ScellActDeact_Type	<a href="#">ScellBitMap_Type</a>	36.321 clause 6.1.3.8

## ScellBitMap\_Type

TTCN-3 Record Type			
Name	ScellBitMap_Type		
Comment			
Reserved	<a href="#">B1_Type</a>		LSBit Reserved. Shall be set to 0
Value	<a href="#">B7_Type</a>		7 MSB bits the C Fields C7 to C1. 1 => the corresponding Scell is Active 0 => Inactive

## PH\_Record\_Type

TTCN-3 Record Type			
Name	PH_Record_Type		
Comment	36.321 clause 6.1.3.6a		
P_Bit	<a href="#">B1_Type</a>		P bit: 1 indicates the UE applies power backoff due to power management
V_Bit	<a href="#">B1_Type</a>		V bit: Indicates if the PH value is based on a real transmission or a reference format. For Type 1 PH, V=0 indicates real transmission on PUSCH and V=1 indicates that a PUSCH reference format is used
Valve	<a href="#">B6_Type</a>		The power headroom level. Ph Type 2 (if configured) for Pcell and Type 1 for Pcell and Scell
Reserved	<a href="#">B2_Type</a>	opt	2 reserved bits. Present if V=1
PCMaxc	<a href="#">B6_Type</a>	opt	Present if V=1

## PH\_RecordList\_Type

TTCN-3 Record of Type	
Name	PH_RecordList_Type
Comment	If simultaneous PUCCH-PUSCH is not configured at least one Type 1 PH record for Pcell is present. Additional one record per Scell for which respective 'C' bit is set as 1. If simultaneous PUCCH-PUSCH is configured then one PH Type 2 record for P cell followed by PH Type 1 record for P cell is present. Additional one record per Scell for which respective 'C' bit is set as 1
record length(1..9) of <a href="#">PH_Record_Type</a>	

**MAC\_CTRL\_ExtPowerHeadRoom\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>MAC_CTRL_ExtPowerHeadRoom_Type</b>		
<b>Comment</b>			
EPH_Octet1	<a href="#">ScellBitMap_Type</a>		
PH_RecordList	<a href="#">PH_RecordList_Type</a>		At least one record for Pcell is present. Additional one record per Scell for which respective 'C' bit is set as 1

## D.6.6 MBMS\_CommonDefs

Common definitions for MBMS needed for configuration of the SS

**MBMS\_CommonDefs: Basic Type Definitions**

TTCN-3 Basic Types		
<b>Pmch_InfIndex_Type</b>	integer (0..maxPMCH_PerMBSFN)	

**MRB\_Identity\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>MRB_Identity_Type</b>		
<b>Comment</b>	MTCH is uniquely identified by: - the logicalChannelIdentity in the mbms-SessionInfoList-r9 - the MBSFN area identity, - the MCH index in the pmch-InfoList-r9		
Mbsfn_Areald	<a href="#">Mbsfn_Areald_r9_Type</a>		
PmchLogicalChannel	<a href="#">PmchLogicalChannel_Type</a>		

**PmchLogicalChannel\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>PmchLogicalChannel_Type</b>		
<b>Comment</b>			
Pmch_InfIndex	<a href="#">Pmch_InfIndex_Type</a>		
LogicalChannelIdentity	<a href="#">LogicalChannelIdentity_r9_Type</a>		

## D.7 CDMA2000\_ASP\_TypeDefs

### D.7.1 CDMA2000\_Common

Common definitions for CDMA2000 and CDMA2000 ASPs

## D.7.1.1 CDMA2000\_SystemContants

### CDMA2000\_ASP\_TypeDefs: Constant Definitions

TTCN-3 Basic Types			
tsc_CDMA2000_MaxNumberOfCells	integer	8	Maximum number of CDMA2000 cells; in TS 36.508 in, clause 6.3.1.5 and 6.3.1.6 define 4 cells each for HRPD and 1XRTT; hence total is 8

## D.7.1.2 CDMA2000\_Routing

### CDMA2000\_Routing: Basic Type Definitions

TTCN-3 Basic Types		
RLP_FlowId_Type	integer (0..30)	As per S.0024, clause 4.8.2.10 both MaxNumRLPFlowsFwd and MaxNumRLPFlowsRvs need to be in the range of 0x06(6) to 0x1F(31) As per X.S007 clause 10, the PDN ID and Flow ID identify a flow

### RLP\_FlowIdList\_Type

TTCN-3 Record of Type	
Name	RLP_FlowIdList_Type
Comment	
record of <a href="#">RLP_FlowId_Type</a>	

### CDMA2000\_RoutingInfo\_Type

TTCN-3 Union Type	
Name	CDMA2000_RoutingInfo_Type
Comment	
None	<a href="#">Null_Type</a>
RLP_FlowId	<a href="#">RLP_FlowId_Type</a>

## D.7.1.3 CDMA2000\_TimingInfo

### CDMA2000\_TimingInfo: Basic Type Definitions

TTCN-3 Basic Types		
HRPD_FrameNumber_Type	integer	CDMA system time specified in units of 16 slots i.e. 26.66 ms.
RTT1X_FrameNumber_Type	integer	CDMA System Time, in integer multiples of 20 ms

### HRPD\_SubFrameInfo\_Type

TTCN-3 Union Type	
Name	HRPD_SubFrameInfo_Type
Comment	
Number	<a href="#">SubFrameNumber_Type</a>
Any	<a href="#">Null_Type</a>
no specific sub-frame (valid for REQ ASPs only)	

**HRPD\_Frame\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>HRPD_Frame_Type</b>	
<b>Comment</b>		
Number	<a href="#">HRPD_FrameNumber_Type</a>	
Any	<a href="#">Null_Type</a>	no specific TimeStamp (valid for REQ ASPs only)

**RTT1X\_Frame\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>RTT1X_Frame_Type</b>	
<b>Comment</b>		
Number	<a href="#">RTT1X_FrameNumber_Type</a>	
Any	<a href="#">Null_Type</a>	no specific TimeStamp (valid for REQ ASPs only)

**HRPD\_SubFrameTiming\_Type**

TTCN-3 Record Type		
<b>Name</b>	<b>HRPD_SubFrameTiming_Type</b>	
<b>Comment</b>		
Frame	<a href="#">HRPD_Frame_Type</a>	
Subframe	<a href="#">HRPD_SubFrameInfo_Type</a>	

**CDMA2000\_SubFrameTiming\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>CDMA2000_SubFrameTiming_Type</b>	
<b>Comment</b>		
HRPD	<a href="#">HRPD_SubFrameTiming_Type</a>	HRPD Timing
RTT1X	<a href="#">RTT1X_Frame_Type</a>	RTT1X Timing specified in terms of Frames only

**CDMA2000\_TimingInfo\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>CDMA2000_TimingInfo_Type</b>	
<b>Comment</b>		
SubFrame	<a href="#">CDMA2000_SubFrameTiming_Type</a>	
Now	<a href="#">Null_Type</a>	to be used in REQ ASPs when there is no 'activation time'
None	<a href="#">Null_Type</a>	only to be used in SYSTEM_CTRL_CNF but not for EnquireTiming

## D.7.1.4 CDMA2000\_ReqAspCommonPart

## CDMA2000\_ReqAspControlInfo\_Type

TTCN-3 Record Type			
Name	CDMA2000_ReqAspControlInfo_Type		
Comment			
CnfFlag	boolean		<p>true =&gt; SS shall send CNF: when the REQ is with no timing information (no activation time), SS shall send the confirmation when the configuration is done, i.e. when the test case may continue. Example: when there is a configuration follow by a send event it shall not be necessary to have a wait timer in between but the CNF triggers the send event or system Command. If there are other triggers e.g. like the UE sending a message, CnfFlag shall be set to false by the test case to avoid racing conditions with the CNF and the signalling message. When there is an activation time SS shall send the CNF after the configuration has been scheduled; that means SS shall not wait until the activation time has been expired.</p>
FollowOnFlag	boolean		<p>false =&gt; no further (related) information true: further related information will be sent to SS ; Currently this value is not foreseen to be used.</p>

## CDMA2000\_ReqAspCommonPart\_Type

TTCN-3 Record Type			
Name	CDMA2000_ReqAspCommonPart_Type		
Comment			
CellId	<a href="#">CDMA2000_CellId_Type</a>		
RoutingInfo	<a href="#">CDMA2000_RoutingInfo_Type</a>		
TimingInfo	<a href="#">CDMA2000_TimingInfo_Type</a>		
ControlInfo	<a href="#">CDMA2000_ReqAspControlInfo_Type</a>		

## D.7.1.5 CDMA2000\_IndAspCommonPart

## CDMA2000\_ErrorIndication\_Type

TTCN-3 Record Type			
Name	CDMA2000_ErrorIndication_Type		
Comment			
System	integer		<p>any other error: may be SS specific error code; this will not be evaluated by TTCN; e.g. an error shall be raised when the UE requests retransmission of an RLC PDU</p>

## CDMA2000\_IndicationStatus\_Type

TTCN-3 Union Type			
Name	CDMA2000_IndicationStatus_Type		
Comment			
Ok	<a href="#">Null_Type</a>		
Error	<a href="#">CDMA2000_ErrorIndication_Type</a>		

## CDMA2000\_IndAspCommonPart\_Type

TTCN-3 Record Type			
Name	CDMA2000_IndAspCommonPart_Type		
Comment			
CellId	<a href="#">CDMA2000_CellId_Type</a>		
RoutingInfo	<a href="#">CDMA2000_RoutingInfo_Type</a>		
TimingInfo	<a href="#">CDMA2000_TimingInfo_Type</a>		
Status	<a href="#">CDMA2000_IndicationStatus_Type</a>		

## D.7.1.6 CDMA2000\_CnfAspCommonPart

## CDMA2000\_ConfirmationResult\_Type

TTCN-3 Union Type			
Name	CDMA2000_ConfirmationResult_Type		
Comment			
Success	<a href="#">Null_Type</a>		
Error	integer		may contain SS specific error code; this will not be evaluated by TTCN

## CDMA2000\_CnfAspCommonPart\_Type

TTCN-3 Record Type			
Name	CDMA2000_CnfAspCommonPart_Type		
Comment			
CellId	<a href="#">CDMA2000_CellId_Type</a>		
RoutingInfo	<a href="#">CDMA2000_RoutingInfo_Type</a>		
TimingInfo	<a href="#">CDMA2000_TimingInfo_Type</a>		
Result	<a href="#">CDMA2000_ConfirmationResult_Type</a>		Similar definition as EUTRA

## D.7.2 CDMA2000\_PowerLevel

## CDMA2000\_ASP\_TypeDefs: Constant Definitions

TTCN-3 Basic Types			
tsc_CDMA2000_Attenuation_Off	<a href="#">CDMA2000_Attenuation_Type</a>	{Off:=true}	

## CDMA2000\_PowerLevel: Basic Type Definitions

TTCN-3 Basic Types		
CDMA2000_InitialAttenuation_Type	<a href="#">CDMA2000_Attenuation_Type</a> ( <a href="#">tsc_CDMA2000_Attenuation_Off</a> )	Attenuation restricted to 'Off'

## CDMA2000\_Attenuation\_Type

TTCN-3 Union Type		
Name	CDMA2000_Attenuation_Type	
Comment	attenuation of the reference power	
Value	<a href="#">Attenuation_Type</a>	cell power reference power reduced by the given attenuation (value is in dB)
Off	<a href="#">Null_Type</a>	for non suitable off cell we specify an explicit "Off" value here

## CDMA2000\_CellAttenuation\_Type

TTCN-3 Record Type		
Name	CDMA2000_CellAttenuation_Type	
Comment		
CellId	<a href="#">CDMA2000_CellId_Type</a>	
Attenuation	<a href="#">CDMA2000_Attenuation_Type</a>	

## CDMA2000\_CellAttenuationList\_Type

TTCN-3 Record of Type		
Name	CDMA2000_CellAttenuationList_Type	
Comment		
record length(1..isc <a href="#">CDMA2000_MaxNumberOfCells</a> ) of <a href="#">CDMA2000_CellAttenuation_Type</a>		

## CDMA2000\_AbsoluteCellPower\_Type

TTCN-3 Record Type		
Name	CDMA2000_AbsoluteCellPower_Type	
Comment		
Powerloc	<a href="#">Powerloc_Type</a>	TTCN writer Shall set same vale in all cells; SS shall have only one AWGN channel for all configured cells per frequency SS shall create a AWGN channel in first cell per frequency and ignore this in later cell creations on the same frequency; i.e. this channel is created along once for Cell 15 or 16 and one each per 17 and 19 similarly for RTT1 X once for 19 or 20 and one each per 21 and 22
Powerlor	<a href="#">Powerlor_Type</a>	Total Transmit power in cell before attenuation
PilotOffset	<a href="#">PilotOffset_Type</a>	Default -7

## CDMA2000\_InitialCellPower\_Type

TTCN-3 Record Type		
Name	CDMA2000_InitialCellPower_Type	
Comment		
MaxReference Power	<a href="#">CDMA2000_AbsoluteCellPower_Type</a>	maximum value of cell reference power corresponding to Max lor/loc in power level table; a cell is initialised with this reference power; its value is the upper bound of the cell power during the test case
Attenuation	<a href="#">CDMA2000_InitialAttenuation_Type</a>	initial attenuation Cell is off

## D.7.3 CDMA2000\_Data

Data primitives sent/received at CDMA2000\_RLP\_FLOW\_PORT



## CDMA2000\_Data: Basic Type Definitions

TTCN-3 Basic Types	
RLP_SDU_Type	octetstring

## RLP\_SDUList\_Type

TTCN-3 Record of Type	
Name	RLP_SDUList_Type
Comment	
record of <a href="#">RLP_SDU_Type</a>	

## CDMA2000\_U\_PlaneData\_Type

TTCN-3 Union Type	
Name	CDMA2000_U_PlaneData_Type
Comment	Union structure is provided for future possible enhancements
RLP_Sdu	<a href="#">RLP_SDUList_Type</a>
	RLP SDU's

## RLPFlow\_DataPerSubframe\_DL\_Type

TTCN-3 Record Type	
Name	RLPFlow_DataPerSubframe_DL_Type
Comment	common definition for one or several SDUs to be sent in the subframe given by the subframe offset; SS shall raise an error indication (using SYSTEM_IND) when that is not possible NOTE 1: For RLP the data may be spread over more than one subframe ; the TTCN implementation is responsible to calculate appropriate offsets accordingly
SubframeOffset	integer
	subframe offset relative to the absolute timing information given in the common part of the ASP; NOTE : if a RLP SDU takes more than one subframe, SubframeOffset specifies the first TTI
SduList	<a href="#">CDMA2000_U_PlaneData_Type</a>
	list of PDUs/SDUs to be sent in one subframe

## RLPFlow\_DataPerSubframeList\_DL\_Type

TTCN-3 Record of Type	
Name	RLPFlow_DataPerSubframeList_DL_Type
Comment	list of user plane data to be sent in sub-frames given by the SubframeOffset in the single elements of the list; Timing: the start time for the whole sequence is given by the timing info of the ASP (common information); the timing for the respective data pdus is given by the SubframeOffset relative to the common timing info; design consideration: repetitions of this sequence are not foreseen (in which case the subframe offset could not be related to the timing info of the ASP)
record of <a href="#">RLPFlow_DataPerSubframe_DL_Type</a>	

## CDMA2000\_U\_Plane\_Request\_Type

TTCN-3 Record Type	
Name	<b>CDMA2000_U_Plane_Request_Type</b>
Comment	NOTE: formal type definition to allow later enhancements; CDMA2000_U_Plane_Request_Type defines a sequence of subframes in which data shall be sent
SubframeDataList	<a href="#">RLPFlow_DataPerSubframeList_DL_Type</a>

## D.7.4 CDMA2000\_CellConfiguration

## HRPD\_CellParameters\_Type

TTCN-3 Record Type		
Name	<b>HRPD_CellParameters_Type</b>	
Comment	Parameters specific to HRPD	
SystemType	<a href="#">SystemType_Type</a>	Specifies the system type of Channel As per Table 13.1-1 of C.S0024-C v2.0 0, 1, 2 are defined values and 3 to 255 are reserved
SubNetMask	<a href="#">B8_Type</a>	7.11.6.2.2 of C.S0024-C v2.0 Sector Subnet identifier set this field to the number of consecutive 1s in the subnet mask of the subnet to which this sector belongs
ColorCode	<a href="#">ColorCode_Type</a>	7.11.6.2.1 of C.S0024-C v2.0 set to the colour code corresponding to this sector part of QuickConfig Over head message
CountryCode	<a href="#">MCC_Type</a>	7.11.6.2.2 of C.S0024-C v2.0 three-digit BCD (binary coded decimal) encoded representation of the Mobile Country Code associated with this sector
OpenLoopAdjust	<a href="#">OpenLoopAdjust_Type</a>	9.4.6.2.6 of C.S0024-C v2.0; The negative of the nominal power to be used by access terminals in the open loop power estimate, expressed as an unsigned value in units of 1 dB. The value used by the access terminal is -1 times the value of this field
ReverseRateLimit	<a href="#">ReverseRateLimit_Type</a>	Table 9.9.6.3-2 of C.S0024-C v2.0; set to the highest data rate that the access terminal is allowed to use on the Reverse Traffic Channel
MACIndex	<a href="#">ReverseLinkMACIndex_Type</a>	C.S0024-C v2.0 clause 12.4.1.3.2.2 Forward channel MAC is derived from this based on table 12.4.1.3.2.2-1
PacketApp	<a href="#">PacketApplication_Type</a>	Multi Flow Packet Application to be used Enhanced Multi-Flow Packet Application subtype(0x0009) defined in C.S0087-A v2.0 or as per C.S0087-A v2.0, clause 2.3 the UE Shall not propose AEMPA during stream protocol negotiation (0xFFFE) in C.R1001
ControlChannelRate	<a href="#">ControlChannelRate_Type</a>	MAC index to be used for the Control Channel
PDN_Id	<a href="#">PDN_Id_Type</a>	PDN_ID of the bearer
PDN_Address	<a href="#">PDN_Address_Type</a>	the PDN Address to be provided to the UE in VSNCPConfigAck
UATI	<a href="#">UATI_Type</a>	UATI to be Assigned to the UE

**RTT1X\_CellParameters\_Type**

TTCN-3 Record Type		
Name	<b>RTT1X_CellParameters_Type</b>	
Comment	Parameters specific to 1XRTT	
Reg_Zone	<a href="#">B12_Type</a>	C.S0005-F v1.0 clause 3.7.2.3.2.1 and 2.6.5.1.5 Registration Zone of the base station Reg_Zone, SID and NID shall be unique for each base station
Base_Class	<a href="#">B4_Type</a>	C.S0005-F v1.0 clause 3.7.2.3.2.1 Base station class. The base station shall set this field as follows: For Band Class 1 and 4, the base station shall set this field to '0001'; otherwise, the base station shall set this field to '0000'
MCC	<a href="#">B10_Type</a>	3.7.2.3.2.13 and 2.3.1.1 of C.S0005-F v1.0 encoding is int2bit (100*D1+10*D2+D3 -111,10) with digit 0 being mapped to 10 binary representation of the Mobile Country Code associated with this sector
IMSI_11_12	<a href="#">B7_Type</a>	3.7.2.3.2.13 and 2.3.1.2 of C.S0005-F v1.0 encoding is int2bit (10*D2+D3 -11,7) with digit 0 being mapped to 10 binary representation of the Mobile Network Code associated with this sector
TMSI	<a href="#">TMSI_Type</a>	the TMSI to be assigned to the MS
ProtRev	<a href="#">ProtRev_Type</a>	Protocol Revision
Min_ProtRev	<a href="#">ProtRev_Type</a>	the minimum protocol revision supported by Base station
Sig_Encryption Mode	<a href="#">EncryptionMode_Type</a>	Encryption mode for Common and dedicated signalling
USerInfo_EncryptionMode	<a href="#">EncryptionMode_Type</a>	User information Encryption mode

**ModeSpecificCellParams\_Type**

TTCN-3 Union Type		
Name	<b>ModeSpecificCellParams_Type</b>	
Comment		
RTT1X	<a href="#">RTT1X_CellParameters_Type</a>	
HRPD	<a href="#">HRPD_CellParameters_Type</a>	

**CDMA2000\_CellParameters\_Type**

TTCN-3 Record Type		
Name	<b>CDMA2000_CellParameters_Type</b>	
Comment		
Type	<a href="#">CDMA2K_Type</a>	Gives if cell is EHRPD or RTT1X
CarrierFreq	<a href="#">CarrierFreqCDMA2000_Type</a>	Contains bandclass (5 bit ) and arfcn i.e. 11 bit channel number
PhysCellId	<a href="#">PhysCellIdCDMA2000_Type</a>	PN offset of pilot 0..511
CellGlobalId	<a href="#">CellGlobalIdCDMA2000_Type</a>	Contains the 128 bit cell ID for HRPD and 47 bit cell ID for 1XRTT
SearchWindow	<a href="#">SearchWindowSizeRecord_Type</a>	contains the SearchWindow for Active, Neighbour & Remaining cells

## CDMA2000\_CellConfigInfo\_Type

TTCN-3 Record Type		
Name	CDMA2000_CellConfigInfo_Type	
Comment		
CellParameters	<a href="#">CDMA2000_CellParameters_Type</a>	Parameters common to HRPD and RTT1X
InitialCellPower	<a href="#">CDMA2000_InitialCellPower_Type</a>	Power level parameters
ModeSpecificCellParams	<a href="#">ModeSpecificCellParams_Type</a>	Parameters specific to RTT1X or HRPD

## CDMA2000\_CellConfigRequest\_Type

TTCN-3 Union Type		
Name	CDMA2000_CellConfigRequest_Type	
Comment		
AddOrReconfigure	<a href="#">CDMA2000_CellConfigInfo_Type</a>	for cell configuration: CellId : identifier of the cell to be configured RoutingInfo : None TimingInfo : Now (for initial configuration and for reconfiguration in general) ControlInfo : CnfFlag:=true; FollowOnFlag:=false (in general)
Release	<a href="#">Null_Type</a>	to remove a cell completely - CellId : identifier of the cell to be released; extra_Cell_NonSpecific, in case all cells shall be released RoutingInfo : None TimingInfo : Now ControlInfo : CnfFlag:=true; FollowOnFlag:=false (in general)

## D.7.5 CDMA2000\_HRPD

## D.7.5.1 CDMA2000\_PDN\_Defs

## CDMA2000\_PDN\_Defs: Basic Type Definitions

TTCN-3 Basic Types		
CDMA2000_AttachType	<a href="#">O3_Type</a>	Defined values: 1: Initial Attach to a PDN, 3: Handover attach to a PDN. Rest undefined and not used
IPv4_Address_Type	<a href="#">O4_Type</a>	represents the IPv4 address as per 24.301 clause 9.9.4.9
IPv6_Address_Type	<a href="#">O8_Type</a>	represents the IPv6 interface identifier as per 24.301 clause 9.9.4.9
PDN_Id_Type	<a href="#">B4_Type</a>	indicates the PDN Id associated with the bearer PDN Identifier of the PDN for which the user data is sent. it is the low order 4 bits of, containing the PDN-ID identifies the PDN (i.e. one per default bearer) Reference X.S0057-E v1.0 clause 10.1.5; gives only low order 4 bits, and high order 4 bits are added as all zero's
Flow_Id_Type	<a href="#">B4_Type</a>	the lower 4 bits of the Flow Identifier, as defined in Table 15 of X.S0057-E v1.0 identify each reservation that is requested to be added or deleted the complete 8 bit flow Identifier is formed by PDN-ID and Flow-Id

## IPv4v6\_Address\_Type

TTCN-3 Record Type			
Name	IPv4v6_Address_Type		
Comment			
IPv4	<a href="#">IPv4_Address_Type</a>		IP v4 address to be allocated
IPv6	<a href="#">IPv6_Address_Type</a>		IP v6 interface identifier to be allocated

## PDN\_Address\_Type

TTCN-3 Union Type			
Name	PDN_Address_Type		
Comment	based on 24.301 cl. 9.9.4.9		
IPv4	<a href="#">IPv4_Address_Type</a>		only IP v4 address to be allocated
IPv6	<a href="#">IPv6_Address_Type</a>		only IP v6 interface identifier to be allocated
IPv4v6	<a href="#">IPv4v6_Address_Type</a>		both IP v4 address and IP v6 interface identifier to be allocated

## Flow\_IdList\_Type

TTCN-3 Record of Type	
Name	Flow_IdList_Type
Comment	
record of <a href="#">Flow_Id_Type</a>	

## D.7.5.2 CDMA2000\_SubProtocols

## LCP\_DetachInit\_Type

TTCN-3 Enumerated Type	
Name	LCP_DetachInit_Type
Comment	
networkInitiated	X.S0057-E v1.0 clause 11.2
UEInitiated	X.S0057-E v1.0 clause 11.1.2

## DHCP\_Ind\_Type

TTCN-3 Record Type			
Name	DHCP_Ind_Type		
Comment			
RapidCommit	boolean		indicates if Rapid Comit option of DHCP is used

## UATI104\_Type

TTCN-3 Union Type			
Name	UATI104_Type		
Comment			
Value	<a href="#">O13_Type</a>		
None	<a href="#">Null_Type</a>		

## UATI\_Type

TTCN-3 Record Type			
Name	UATI_Type		
Comment			
UATI24	<a href="#">O3_Type</a>		Represents UATI(0:23), as per clause 6.3.7.2.2 of C.S0024-C v2.0
UATI104	<a href="#">UATI104_Type</a>		Represents UATI(127:24), as per clause 6.3.7.2.2 of C.S0024-C v2.0 if has to be assigned

## D.7.5.3 HRPD\_Indications

## RegAndDefBearerEstInd\_Type

TTCN-3 Record Type			
Name	RegAndDefBearerEstInd_Type		
Comment			
UATI_Assignm entCmpl	<a href="#">Null_Type</a>		UATIAssignment is received UATISuccess is received
InitialChAssign Cmpl	<a href="#">Null_Type</a>		Initial Traffic/Extended Channel/AlternateLink(Pre-registration) Assignment procedure started UE has sent ConnectionRequest/AlternateLinkOpen message Traffic/Extended Channel /AlternateLink(Pre-registration) assignment is completed UE has sent TrafficChannelComplete( Route update protocol)/ AlternateLinkOpenComplete. In the registration and Default bearer establishment procedure, UE initiated Channel/Alternate Link can be released and configured, only first assignment is reported.
SCP_ConfigC mpl	<a href="#">Null_Type</a>		SCP (Session Configuration Protocol )ConfigurationRequest message is received SCP (Session Configuration Protocol )ConfigurationResponse message is transmitted
Stream_Config Cmpl	<a href="#">Null_Type</a>		Stream Protocol Configuration ConfigurationRequest message is received Stream Protocol Configuration ConfigurationResponse message is transmitted
EMPA_MMPA_ ConfigCmpl	<a href="#">Null_Type</a>		Enhanced Multi flow/Multi flow Packet application ConfigurationRequest message is received Enhanced Multi flow/Multi flow Packet application ConfigurationComplete message is received EMPA ConfigurationResponse message or MMPA ConfigurationResponse is received corresponding to steps 30A TO 30C of table 4.5.2B.3-2
SessionNegotia tionCmpl	<a href="#">Null_Type</a>	opt	SS initiated Session Negotiation has started; Session Negotiation has completed
DeviceAuthCm pl	<a href="#">Null_Type</a>	opt	Device level authentication has started; Device level authentication has completed
LocationUpdate Cmpl	<a href="#">Null_Type</a>	opt	Location Update started; Location Update completed
EAP_AKA_Cm pl	<a href="#">Null_Type</a>		Improved Extensible Authentication protocol for Authentication and Key agreement started RFC 5448 * Message flow in X.S0057-E v1.0 clause 5.2.5.1 Authentication and Key agreement Completed optionally After entering PPP LCP Open State, PPP Version Capability Indication and/or Max PPP Inactivity Timer negotiation are completed
VSNCP_Config Cmpl	<a href="#">Null_Type</a>		PDN connection establishment started and UE has sent PPP Vendor Specific Network Control Protocol Configuration Request PDN Connection and default bearer establishment is completed with possible IPV4 address (optional) and or IPV6 interface ID (Mandatory) provided Attach type shall be Handover Attach
DHCP_ConfigC mpl	<a href="#">DHCP_Ind_Type</a>	opt	UE and SS decided for IPV4 address allocation by DHCP IPV4 address allocation completed by UE and SS Completion of IP Address through DHCP
ICMPv6_Config Cmpl	<a href="#">Null_Type</a>	opt	UE optionally sent IPV6 stateless autoconfiguration Router solicitation message and SS has responded with IPV6 Router Advertisement message

### HRPD\_ZoneRegistrationInd\_Type

TTCN-3 Record Type			
Name	HRPD_ZoneRegistrationInd_Type		
Comment			
UATI_Assignm entCmpl	<a href="#">Null_Type</a>		UATIAssignment is received UATIComplete is received
EAP_AKA_Cm pl	<a href="#">Null_Type</a>		Improved Extensible Authentication protocol for Authentication and Key agreement started RFC 5448 Message flow in X.S0057-E v1.0 clause 5.2.5.1 Authentication and Key agreement Completed optionally After entering PPP LCP Open State, PPP Version Capability Indication and/or Max PPP Inactivity Timer negotiation are completed
VSNCP_Config Cmpl	<a href="#">Null_Type</a>		PDN connection establishment started and UE has sent PPP Vendor Specific Network Control Protocol Configuration Request PDN Connection and default bearer establishment is completed with possible IPV4 address (optional) and or IPV6 interface ID (Mandatory) provided Attach type shall be Handover Attach
DHCP_ConfigC mpl	<a href="#">DHCP_Ind_Type</a>	opt	UE and SS decided for IPV4 address allocation by DHCP IPV4 address allocation completed by UE and SS Completion of IP Address through DHCP
ICMPv6_Config Cmpl	<a href="#">Null_Type</a>	opt	UE optionally sent ICMPv6 Router solicitation message and SS has responded with IPV6 Router Advertisement message

### DedicatedBearerRelInd\_Type

TTCN-3 Record Type			
Name	DedicatedBearerRelInd_Type		
Comment			
VSNP_Termina teCmpl	<a href="#">Null_Type</a>		Dedicated bearers are deactivated/ released
SCP_ReleaseC mpl	<a href="#">Null_Type</a>	opt	Session Configuration Protocol to release the reservations exclusively associated with the deleted bearer Reservation deletion completed

### DefaultBearerRelDetachInd\_Type

TTCN-3 Record Type			
Name	DefaultBearerRelDetachInd_Type		
Comment			
VSNCP_Termi nateCmpl	<a href="#">Null_Type</a>	opt	To Released configured default bearer and hence associated Dedicated bearer X.S0057-E v1.0 clause 11.3 and 11.1.1 To indicate the default bearer is released
LCP_Terminate Cmpl	<a href="#">Null_Type</a>		To detach the UE X.S0057-E v1.0 clause 11.2 Detach completed

### MobilityFromEUTRACmpl\_Type

TTCN-3 Record Type			
Name	MobilityFromEUTRACmpl_Type		
Comment			
ConnectionReq Rcvd	<a href="#">Null_Type</a>		Received Tunneled HRPD Connection Request Message
RouteUpdateIn d	<a href="#">Null_Type</a>		Received Tunneled HRPD Route Update Message
TrafficChCmpl Rcvd	<a href="#">Null_Type</a>		Received HRPD Traffic Channel Complete in HRPD RAT, after transmission of tunneled Traffic Channel Assignment, HRPD Silence Parameters and HRPD Open Loop Parameters



## AdditionalDefBearerEstInd\_Type

TTCN-3 Record Type			
Name	AdditionalDefBearerEstInd_Type		
Comment			
VSNCPCmpl	<a href="#">Null_Type</a>		PDN connection establishment started and UE has sent PPP Vendor Specific Network Control Protocol Configuration Request PDN Connection and default bearer establishment is completed with possible IPV4 address (optional) and or IPV6 interface ID (Mandatory) provided Attach type shall be Handover Attach(pre-registration) or Initial Attach (if normal registration in HRPD cell)
DHCP_ConfigCmpl	<a href="#">DHCP_Ind_Type</a>	opt	UE and SS decided for IPV4 address allocation by DHCP IPV4 address allocation completed by UE and SS Completion of IP Address through DHCP
ICMPv6_ConfigCmpl	<a href="#">Null_Type</a>	opt	UE optionally sent ICMPv6 Router solicitation message and SS has responded with IPV6 Router Advertisement message

## HRPD\_SystemIndication\_Type

TTCN-3 Union Type			
Name	HRPD_SystemIndication_Type		
Comment			
Error	<a href="#">Null_Type</a>		Used by SS to indicate any error; the Actual Error types reported in ASP common part in CDMA2000_IndicationStatus_Type
InitialAccessProbeRcvd	<a href="#">Null_Type</a>		Initial Access probe is received;
RegAndDefBearerEstInd	<a href="#">RegAndDefBearerEstInd_Type</a>		UE has successfully performed registration and default bearer establishment
DedicatedBearerEstInd	<a href="#">Null_Type</a>		Vendor specific network protocol (RFC 3772) procedures to re-establish Dedicated bearer as defined in S.0057 clause 5.5.3.1 (BCM is MS/NW) or clause 5.5.4.1.1 (BCM = MS-Only) Bearer Configuration Mode Dedicated bearers are (re) established
DedicatedBearerRelInd	<a href="#">DedicatedBearerRelInd_Type</a>		To indicate the Dedicated bearer is released
DefaultBearerRelDetachInd	<a href="#">DefaultBearerRelDetachInd_Type</a>		To Release configured default bearer and hence associated Dedicated bearer X.S0057-E v1.0 clause 11.3 and 11.1.1 Dedicated bearers are deactivated/released To detach the UE X.S0057-E v1.0 clause 11.2 Detach completed
MovedToDominantMode	<a href="#">Null_Type</a>		The channels are released and UE is moved to PPP dominant mode/Air interface Idle.
MobilityFromEUTRACmpl	<a href="#">MobilityFromEUTRACmpl_Type</a>		To confirm that Handover from EUTRAN is completed by receiving Traffic Channel Complete and the MessageSequence is same as in Traffic Channel Assignment
AdditionalDefBearerEstInd	<a href="#">AdditionalDefBearerEstInd_Type</a>		UE has successfully performed additional default bearer establishment (additional PDN)
HRPD_ZoneRegistrationInd	<a href="#">HRPD_ZoneRegistrationInd_Type</a>		Initially pre-registered UE detects change in HRPD Zone ID in SIB and hence updates registration

## D.7.5.4 HRPD\_Commands

## HRPD\_UE\_InitStateType

TTCN-3 Enumerated Type	
Name	<b>HRPD_UE_InitStateType</b>
Comment	HRPD UE states as defined in C.S0057-E v1.0 clause 3.1
idle_Null	In the Inactive/Null State, 1. there is no physical traffic channel between the UE and the eAN, and no connection exists between the eAN and the ePCF 2. no PPP link between the UE and the HSGW . 3. The UE may have a Universal Access Terminal Identifier (UATI) that has been assigned by an eHRPD eAN
dormant	In the Dormant State, 1. no physical traffic channel exists between the UE and the eAN and no connection exists between the eAN and the ePCF. 2. PPP link between the UE and the HSGW 3. eHRPD DORMANT state equates to the "idle" state referred to in TS 23.402
active_Connected	In the Active/Connected State, 1. a physical traffic channel exists between the UE and the eAN over which data may be sent. A connection exists between the eAN and the ePCF, and between the ePCF and the HSGW, 2. there is a PPP link between the UE and the HSGW
preregister	The UE is performing pre-register though a different Access network

## RegAndDefBearerEst\_Type

TTCN-3 Record Type			
Name	<b>RegAndDefBearerEst_Type</b>		
Comment			
InitState	<a href="#">HRPD_UE_InitStateType</a>		
RLP_FlowId	<a href="#">RLP_FlowId_Type</a>		Associated RLP Flow ID
AttachType	<a href="#">CDMA2000_AttachType</a>		The Attach Type to be expected in VSNCP procedure

## DefaultBearerRelDetach\_Type

TTCN-3 Record Type			
Name	<b>DefaultBearerRelDetach_Type</b>		
Comment			
InitState	<a href="#">HRPD_UE_InitStateType</a>		
PDN_Id	<a href="#">PDN_Id_Type</a>		PDN_ID of the bearer
RLP_FlowId	<a href="#">RLP_FlowId_Type</a>		Associated RLP Flow ID
UE_NW_Initiated	<a href="#">LCP_DetachInit_Type</a>		If initiated by UE or Network

## DedicatedBearerEstRel\_Type

TTCN-3 Record Type			
Name	<b>DedicatedBearerEstRel_Type</b>		
Comment			
InitState	<a href="#">HRPD_UE_InitStateType</a>		PPP and Air Interface state of UE when the procedure is being executed
AssociatedDefaultBearer	<a href="#">PDN_Id_Type</a>		the PDN ID of the associated default bearer; Gives the APN with which additional Dedicated Bearer needs to be established
Flow_Ids	<a href="#">Flow_IdList_Type</a>		Flow_ID's of the multiple dedicated bearers to be Activated/Deactivated
RLP_FlowIds	<a href="#">RLP_FlowIdList_Type</a>		Associated RLP Flow ID; There is one to one association between elements in Flow_IdList_Type and RLP_FlowIdList_Type; it's a TTCN programming error otherwise

**AdditionalDefBearerEst\_Type**

TTCN-3 Record Type			
<b>Name</b>	<b>AdditionalDefBearerEst_Type</b>		
<b>Comment</b>	used for multiple PDN connections		
InitState	<a href="#">HRPD_UE_InitStateType</a>		
RLP_FlowId	<a href="#">RLP_FlowId_Type</a>		Associated RLP Flow ID

## HRPD\_SystemCommand\_Type

TTCN-3 Union Type		
Name	HRPD_SystemCommand_Type	
Comment		
ReportInitialAccessProbe	<a href="#">Null_Type</a>	SS is expected to report any possible Access probes received on HRPD Cell; will be used in situations where UE is not expected to camp on a HRPD Cell
RegAndDefBearerEst	<a href="#">RegAndDefBearerEst_Type</a>	To complete registration and establish Default bearer; Initial UE State is Idle_Null State Indications up to VSNCP protocol and possible IP signalling over DHCPv4 and/or ICMPv6 is performed At the end of procedure, UE is still in Active/Connected state (not pre-registration); SS is expected to send InitialAccessProbeRcvd (only if initial state is not Active and not pre-registration) and RegAndDefBearerEstInd as an indication for successful completion of procedure
DedicatedBearerEst	<a href="#">DedicatedBearerEstRel_Type</a>	Dedicated bearers are established/Activated by VSNP/EMPA protocol; PDN ID and RLP flow ID pairs are provided for each Dedicated bearer At the end of procedure, UE is still in Active/Connected state SS is expected to send InitialAccessProbeRcvd (only if initial state is not Active) and DedicatedBearerEstInd as an indication for successful completion of procedure
MoveToDormantState	<a href="#">Null_Type</a>	UE is Active_Connected state and is moved to Dormant state SS is expected to send MovedToDormantMode
MoveToActiveState	<a href="#">RLP_FlowIdList_Type</a>	UE is initially Dormant state; UE is made to Move to Active_Connected State List of RLP flow Id's (associated with default + dedicated bearer), need to be established are provided SS is expected to send InitialAccessProbeRcvd
DedicatedBearerRel	<a href="#">DedicatedBearerEstRel_Type</a>	Dedicated bearers are released/De-Activated by VSNP terminate and SCP release protocol; At the end of procedure, UE is still in Active/Connected state (not pre-registration) SS is expected to send InitialAccessProbeRcvd (only if initial state is not Active and not pre-registration) and DedicatedBearerRelInd as an indication for successful completion of procedure
DefaultBearerRelDetach	<a href="#">DefaultBearerRelDetach_Type</a>	Default bearer is released by VSNCP terminate and SCP release protocol UE is made to detach by LCP protocol and Possible Channels are released At the end of procedure, UE is in Idle_Null state Notes: When Detach is network initiated the sequence is 1. Default bearer (and hence all associated Dedicated bearers) released by VSNCP terminate 2. UE is detached by LCP terminate procedure When Detach is UE initiated, UE may only perform LCP terminate procedure SS is expected to send InitialAccessProbeRcvd (only if initial state is not Active) and DefaultBearerRelDetachInd as an indication for successful completion of procedure
MobilityFromEUTRA	<a href="#">Null_Type</a>	Prepare CDMA SS for receiving tunnelled HRPD Connection Request and Route Update tunnelled in ULHandoverPreparationTransfer Respond with GCSNA encapsulated HRPD Silence Parameters and HRPD Open Loop Parameters, HRPD Traffic Channel Assignment to be sent tunnelled in MobilityFromEUTRACommand Receive Traffic Channel Complete in the HRPD Cell; After Receiving Traffic Channel Assignment, HRPD Silence Parameters and HRPD Open Loop Parameters embedded in EUTRA message MobilityFromEUTRACommand, UE has

		Tuned to HRPD Radio and transmitted Traffic Channel Complete in the HRPD Cell SS is expected to send MobilityFromEUTRACmpl as an indication for successful completion of procedure
AdditionalDefBearerEst	<a href="#">AdditionalDefBearerEst_Type</a>	To establish an additional PDN connection Initial UE State is Idle_Null State or procedure performed through pre-registration Indications up to VSNCP protocol and possible IP signalling over DHCPv4 and/or ICMPv6 is performed At the end of procedure, UE is still in Active/Connected state(not pre-registration); SS is expected to send InitialAccessProbeRcvd (only if initial state is not Active and not pre-registration) and AdditionalDefBearerEstInd as an indication for successful completion of procedure
HRPDZoneRegister	<a href="#">RegAndDefBearerEst_Type</a>	To update registration by a UE already registered and established Default bearer; Initial UE State is Idle_Null State Indications up to VSNCP protocol and possible IP signalling over DHCPv4 and/or ICMPv6 is performed At the end of procedure, UE is still in Active/Connected state (not pre-registration); SS is expected to send InitialAccessProbeRcvd(only if initial state is not Active and not pre-registration) and RegAndDefBearerEstInd as an indication for successful completion of procedure

## D.7.6 CDMA2000\_RTT1X

### D.7.6.1 RTT1X\_Indications

RTT1X call flows in RTT1x cell

Expected Sequence for Attach (Power Up Attach)

1. Initial AccessProbeRcvd
2. CS\_RegistrationStart(Powerup)
3. CS\_RegistrationCmpl

Expected Sequence for Detach (Power Down Attach)

1. Initial AccessProbeRcvd
2. CS\_RegistrationStart (PowerDown)
3. CS\_RegistrationCmpl

Expected Sequence for CSFB Call Establishment

1. Initial AccessProbeRcvd
2. CS\_CallEstStart (Origination/ PageResponse)
3. ChAssignCmpl (Extended Channel Assignment is sent)
4. CS\_CallEstCompleted (Acknowledgement Order Sent, Service Connect sent, Service Connect Completion received, Alert Sent/Received and ConnectOrder is received)

Expected Sequence for SRVCC call handover

1. HandoffCmpl

#### RTT1X\_CS\_CallType

TTCN-3 Enumerated Type	
Name	RTT1X_CS_CallType
Comment	
mo	Call is UE originated
mt	Call is UE Terminated
mo_Emergency	UE originated Emergency Call

## RTT1XAttachType

TTCN-3 Enumerated Type	
Name	RTT1XAttachType
Comment	Ref C.S005 Table 2.7.1.3.2.1-1
powerUpAttach	UE is doing Power up attach REG_Type = '0001'B; it was not previously attached
powerDownAttach	UE is doing power down attach REG_Type = '0011'B; it was previously attached
zoneBasedAttach	UE is doing Zone based attach REG_Type = '0010'B
orderedAttach	UE is doing Ordered attach REG_Type = '0101'B
OtherAttach	Any other Attach REG_Type does not equal above values

## CS\_RegCmplInd\_Type

TTCN-3 Record Type		
Name	CS_RegCmplInd_Type	
Comment		
CS_RegistrationCmpl	<a href="#">RTT1XAttachType</a>	CS power up/down registration is completed UE Sent Registration message and received an L2 Acknowledgement Optionally SS can perform Authentication and has sent Registration Accepted order

## CS\_Reg\_CallCmplInd\_Type

TTCN-3 Record Type		
Name	CS_Reg_CallCmplInd_Type	
Comment		
CS_RegistrationCmpl	<a href="#">RTT1XAttachType</a>	opt CS power up/down registration is completed; This is omit if implicit registration is done UE Sent Registration message and received an L2 Acknowledgement Optionally SS can perform Authentication and has sent Registration Accepted order UE can also do a implicit registration; i.e. reception of Origination/reconnect/CallRecovery/Page message by Base station is treated as implicit registration
CS_CallEstStarted	<a href="#">RTT1X_CS_CallType</a>	Received Origination message for MO and Page Response for MT
ChAssignCmpl	<a href="#">Null_Type</a>	(Extended) Channel Assignment procedure started UE has sent ConnectionRequestTraffic Extended Channel assignment is completed UE has sent TrafficChannelComplete
CS_CallEstCompleted	<a href="#">Null_Type</a>	SS received Service Connect Completion(Mo) or ConnectOrder(MT) (i.e. User Accepted call)

## CS\_CallCmplInd\_Type

TTCN-3 Record Type		
Name	CS_CallCmplInd_Type	
Comment		
CS_CallEstStarted	<a href="#">RTT1X_CS_CallType</a>	Received Origination message for MO and Page Res ponse for MT
ChAssignCmpl	<a href="#">Null_Type</a>	(Extended) Channel Assignment procedure started completed
CS_CallEstCompleted	<a href="#">Null_Type</a>	SS received Service Connect Completion(MO) or ConnectOrder(MT) (i.e. User Accepted call)
IsEmergencyCall	boolean	True indicates the established call is emergency call, false indicates a normal voice has been established

**ECSFB\_CallCmplInd\_Type**

TTCN-3 Record Type			
Name	ECSFB_CallCmplInd_Type		
Comment			
CS_CallEstStar ted	<a href="#">RTT1X_CS_CallType</a>		Received Tunneled GCSNA encapsulated Origination message for MO and Page Response for MT call
HandoffCmpl	<a href="#">Null_Type</a>		indicates SS has received HandoffComplete message and the call is established
CS_CallEstCo mpleted	Null_Type		SS received Service Connect Completion (MO) or ConnectOrder (MT) (i.e. User Accepted call)
IsEmergencyC all	boolean		True indicates the established call is emergency call, false indicates a normal voice has been established

**ECAM\_CS\_CallCmplInd\_Type**

TTCN-3 Record Type			
Name	ECAM_CS_CallCmplInd_Type		
Comment			
CS_TunneledC allEstStarted	<a href="#">RTT1X_CS_CallType</a>		Received Tunneled GCSNA encapsulated Origination message for MO and Page Response for MT call
CS_CallEstStar ted	<a href="#">RTT1X_CS_CallType</a>		Received Origination message for MO and Page Response for MT
ChAssignCmpl	<a href="#">Null_Type</a>		Extended Channel Assignment procedure started completed
CS_CallEstCo mpleted	<a href="#">Null_Type</a>		SS received Service Connect (i.e User Accepted call)
IsEmergencyC all	boolean		True indicates the established call is emergency call, false indicates a normal voice has been established

**ECSFB\_CallRejInd\_Type**

TTCN-3 Record Type			
Name	ECSFB_CallRejInd_Type		
Comment			
CS_CallEstRej ected	<a href="#">RTT1X_CS_CallType</a>		SS Received tunneled 1xRTT Origination (MO)/Page Response (MT) message Respond with 1xRTT Release Order message
IsEmergencyC all	boolean		True indicates the established call is emergency call, false indicates a normal voice has been established

## RTT1X\_SystemIndication\_Type

TTCN-3 Union Type		
Name	RTT1X_SystemIndication_Type	
Comment		
Error	<a href="#">Null_Type</a>	Used by SS to indicate any error; the Actual Error types reported in ASP common part in CDMA2000_IndicationStatus_Type
InitialAccessProbeRcvd	<a href="#">Null_Type</a>	Initial Access probe is received
CS_Registratio nCmpl	<a href="#">CS_RegCmplInd_Type</a>	CS power up/down registration is completed As registration message, and possible Authentication Registration accepted order are all sent received on f/r-csch UE at end is in Idle state
CS_Reg_CallC mplInd	<a href="#">CS_Reg_CallCmplInd_Type</a>	CS Registration /implicit registration and Call Indication MO or MT UE is in connected state with f/r dtch configured
CS_CallCmplIn d	<a href="#">CS_CallCmplInd_Type</a>	CS Call Indication MO or MT UE is in connected state with f/r dtch configured
HandoffCmpl	<a href="#">Null_Type</a>	needed for SRVCC handover of an IMS voice call on LTE to 1XRTT indicates SS has received HandoffComplete message and the call is established
MovedToIdleSt ate	<a href="#">Null_Type</a>	The channels are released and UE is moved to Idle state. CS Call is released by exchange of Release order in both directions C.S0005-F v1.0 figure B3 and B4
ECSFB_CallC mplInd	<a href="#">ECSFB_CallCmplInd_Type</a>	eCSFB Call Indication MO or MT UE is in connected state with f/r dtch configured
ECSFB_ECA M_CallCmplIn d	<a href="#">ECAM_CS_CallCmplInd_Type</a>	eCSFB ECAM based Call Indication MO or MT  UE is in connected state with f/r dtch configured
ECSFB_CallRe jInd	<a href="#">ECSFB_CallRejInd_Type</a>	eCSFB Call Rejected MO or MT UE is not camping in 1xRTT

## D.7.6.2 RTT1X\_Commands

## CS\_Registration\_Type

TTCN-3 Record Type			
Name	CS_Registration_Type		
Comment			
AttachType	<a href="#">RTT1XAttachType</a>		
IsPreRegistrati on	boolean		Indicates if it is done as pre registration Value is ignored if Attach Type is Power down (Assumption detach happens only in 1XRTT cell)
RAND	B32_Type	opt	RAND [From eNB] to be included in CSFBParametersResponseCDMA2000, HandoverFromEUTRAPreparationRequest Value not present for power down registration



## RTT1X\_SystemCommand\_Type

TTCN-3 Union Type		
Name	RTT1X_SystemCommand_Type	
Comment		
ReportInitialAccessProbe	<a href="#">Null_Type</a>	SS is expected to report any possible Access probes received on 1XRTT Cell; will be used in situations where UE is not expected to camp on a 1XRTT Cell
CS_Registration	<a href="#">CS_Registration_Type</a>	Power up attach/ power down attach in 1xRTT cell or Pre registration (Power up attach) tunnelled through a different RAT in case of pre-registration attach, the CDMA SS starts by sending mobilityParameters to be tunnelled in CSFBParametersRequestCDMA2000 SS is expected to send InitialAccessProbeRcvd (only if initial state is not pre-registration) and CS_RegistrationCmpl as an indication for successful completion of procedure
CSFB_Call	<a href="#">RTT1X_CS_CallType</a>	CSFB by a (pre-)registered UE If the call Type is mt, CDMA SS sends 1xRTT GCSNA encapsulated General Page to be tunnelled in DLInformation Transfer  SS is expected to send InitialAccessProbeRcvd and CS_CallCmplInd as an indication for successful completion of procedure
CS_Reg_CSFB_Call	<a href="#">RTT1X_CS_CallType</a>	UE not previously pre-registered hence performs registration (Power up attach) and CSFB call Registration can be implicit registration SS is expected to send InitialAccessProbeRcvd and CS_Reg_CallCmplInd as an indication for successful completion of procedure
MobilityFromEUTRA_1XRTT	<a href="#">NullType</a>	Prepare SS for Mobility from Eutra CDMA SS sends mobilityParameters to be tunnelled in HandoverFromEUTRAPreparationRequest Receive tunnelled 1xRTT GCSNA Encapsulated Origination message and MEID in ULHandoverPreparationTransfer Respond with GCSNA encapsulated 1xRTT Handoff Direction message to be sent tunnelled in MobilityFromEUTRACommand Receive HandoffCmpl in the 1xRTT Cell; SS is expected to send HandoffCmpl as an indication for successful completion of procedure
CS_OrderedRegistration	<a href="#">CS_Registration_Type</a>	ordered registration on (already registered) 1xRTT cell or Pre registration Power up attach) through a different RAT. SS triggers the procedure by sending Registration Request order (GCSNA encapsulated in case of pre-registration) and sends mobilityParameters to be tunnelled in CSFBParametersRequestCDMA2000 SS is expected to send InitialAccessProbeRcvd (only if initial state is not pre-registration) and CS_RegistrationCmpl as an indication for successful completion of procedure
E_CSFB_Call	<a href="#">RTT1X_CS_CallType</a>	Prepare SS for Enhanced CSFB call If the call Type is mt, CDMA SS sends 1xRTT GCSNA encapsulated General Page to be tunneled in DLInformation Transfer CDMA SS sends mobilityParameters to be tunneled in HandoverFromEUTRAPreparationRequest Receive tunneled 1xRTT GCSNA Encapsulated Origination (MO)/Page Response (MT) message and MEID in ULHandoverPreparationTransfer Respond with GCSNA encapsulated 1xRTT Handoff Direction message to be sent tunneled in MobilityFromEUTRACommand Receive HandoffCmpl in the 1xRTT Cell; SS responds with Alert With Information (MT)/Sevice connect (MO) in the 1xRTT cell. SS receives Connect order (MT)/Service Connect Completion (MO)

		SS is expected to send ECSFB_CallCmplInd as an indication for succesful completion of procedure
E_CSFB_Call_ECAM	<a href="#">RTT1X_CS_CallType</a>	Prepare SS for Enhanced CSFB call with Extended channel assignment If the call Type is mt, CDMA SS sends 1xRTT GCSNA encapsulated General Page to be tunneled in DLInformation Transfer CDMA SS sends mobilityParameters to be tunneled in HandoverFromEUTRAPreparationRequest Receive tunneled 1xRTT GCSNA Encapsulated Origination (MO)/Page Response (MT) message and MEID in ULHandoverPreparationTransfer Respond with GCSNA Encapsulated ECAM message to be sent tunneled in MobilityFromEUTRACommand Receive Origination in the 1xRTT Cell; After extended channel assignment, SS receives Connect order (MT)/Service Connect Completion (MO) SS is expected to send ECSFB_ECAM_CallCmplInd as an indication for succesful completion of procedure
E_CSFB_Call_Reject	<a href="#">RTT1X_CS_CallType</a>	Prepare SS for Enhanced CSFB call, which needs to be rejected If the call Type is mt, CDMA SS sends 1xRTT GCSNA encapsulated General Page to be tunneled in DLInformation Transfer CDMA SS sends mobilityParameters to be tunneled in HandoverFromEUTRAPreparationRequest Receive tunneled 1xRTT GCSNA Encapsulated Origination (MO)/Page Response (MT) message and MEID in ULHandoverPreparationTransfer Respond with GCSNA encapsulated 1xRTT Release Order message to be sent tunneled in DLInformation Transfer SS is expected to send ECSFB_CallRejInd as an indication for succesful completion of procedure

## D.7.7 System\_Interface

### CDMA2000\_SystemRequest\_Type

TTCN-3 Union Type		
Name	<b>CDMA2000_SystemRequest_Type</b>	
Comment		
Cell	<a href="#">CDMA2000_CellConfigRequest_Type</a>	configure/release a cell
CellAttenuationList	<a href="#">CDMA2000_CellAttenuationList_Type</a>	

### CDMA2000\_SystemConfirm\_Type

TTCN-3 Union Type		
Name	<b>CDMA2000_SystemConfirm_Type</b>	
Comment	confirmations for system configuration; in general to be sent after the configuration has been done	
Cell	<a href="#">Null_Type</a>	(no further parameters from SS)
CellAttenuationList	<a href="#">Null_Type</a>	(no further parameters from SS) NOTE 1: the confirmation shall be sent when all cells have changed power levels NOTE 2: for the CellId in the common ASP part the same rules are applied as for the CDMA2000 SYSTEM REQ

**CDMA2000\_SYSTEM\_CTRL\_REQ**

TTCN-3 Record Type			
<b>Name</b>	<b>CDMA2000_SYSTEM_CTRL_REQ</b>		
<b>Comment</b>			
Common	<a href="#">CDMA2000_ReqAspComm onPart_Type</a>		TimingInfo depends on respective primitive:
Request	<a href="#">CDMA2000_SystemRequest_Type</a>		- Cell TimingInfo: 'now' (in general) - CellAttenuationList TimingInfo: 'now' (in general, but activation time may be used also)

**CDMA2000\_SYSTEM\_CTRL\_CNF**

TTCN-3 Record Type			
<b>Name</b>	<b>CDMA2000_SYSTEM_CTRL_CNF</b>		
<b>Comment</b>			
Common	<a href="#">CDMA2000_CnfAspComm onPart_Type</a>		TimingInfo is ignored by TTCN => SS may set TimingInfo to "None"
Confirm	<a href="#">CDMA2000_SystemConfirm_Type</a>		

**CDMA2000\_SystemCommand\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>CDMA2000_SystemCommand_Type</b>	
<b>Comment</b>		
HRPD	<a href="#">HRPD_SystemCommand_Type</a>	HRPD Specific System commands
RTT1X	<a href="#">RTT1X_SystemCommand_Type</a>	1XRTT specific System commands

**CDMA2000\_SYSTEM\_CMD**

TTCN-3 Record Type			
<b>Name</b>	<b>CDMA2000_SYSTEM_CMD</b>		
<b>Comment</b>			
Common	<a href="#">CDMA2000_ReqAspComm onPart_Type</a>		Routing info will be none generally; TimingInfo is generally now but activation time may be used also for all System commands Cnf and Follow on flags are both false
Command	<a href="#">CDMA2000_SystemCommand_Type</a>		HRPD or 1XRTT System commands

**CDMA2000\_SystemIndication\_Type**

TTCN-3 Union Type		
<b>Name</b>	<b>CDMA2000_SystemIndication_Type</b>	
<b>Comment</b>		
HRPD	<a href="#">HRPD_SystemIndication_Type</a>	
RTT1X	<a href="#">RTT1X_SystemIndication_Type</a>	

## CDMA2000\_SYSTEM\_IND

TTCN-3 Record Type		
<b>Name</b>	<b>CDMA2000_SYSTEM_IND</b>	
<b>Comment</b>		
Common	<a href="#">CDMA2000_IndAspCommonPart_Type</a>	The SS shall provide TimingInfo depending on the respective indication:
Indication	<a href="#">CDMA2000_SystemIndication_Type</a>	- Error TimingInfo: related to the error (if available) - HRPD/RTT1X Procedure completion The timing info corresponding to logical completion of the complete procedure includes completion of all sub protocols

## CDMA2000\_RLP\_FLOW\_COMMON\_IND

TTCN-3 Record Type		
<b>Name</b>	<b>CDMA2000_RLP_FLOW_COMMON_IND</b>	
<b>Comment</b>	ASP to receive PDUs from RLP Packet Flows	
Common	<a href="#">CDMA2000_IndAspCommonPart_Type</a>	CellId : identifier of the cell RoutingInfo : RLP Flow id TimingInfo : time when RLP SDU's has been completely received
Data	<a href="#">CDMA2000_U_PlaneData_Type</a>	

## CDMA2000\_RLP\_FLOW\_COMMON\_REQ

TTCN-3 Record Type		
<b>Name</b>	<b>CDMA2000_RLP_FLOW_COMMON_REQ</b>	
<b>Comment</b>	ASP to send PDUs to RLP Packet flows	
Common	<a href="#">CDMA2000_ReqAspCommonPart_Type</a>	CellId : identifier of the cell RoutingInfo : RLP Flow id TimingInfo : starting point when to start sending sequence of data PDUs e.g. TimeStamplong_Type = X, subframe number = x; U_Plane.SubframeDataList(i).SubframeOffset := offset_i; => U_Plane.SubframeDataList(i).PduSduList shall be sent out at TimeStamplong_Type = X + ((x + offset_i) / 4); subframe number = (x + offset_i) mod 4 ControllInfo : CnfFlag:=false; FollowOnFlag:=false
U_Plane	<a href="#">CDMA2000_U_Plane_Request_Type</a>	

## CDMA2000\_SYSTEM\_PORT

TTCN-3 Port Type		
<b>Name</b>	<b>CDMA2000_SYSTEM_PORT</b>	
<b>Comment</b>	CDMA2000 PTC: Port for system configuration	
out	<a href="#">CDMA2000_SYSTEM_CTRL_REQ</a>	
in	<a href="#">CDMA2000_SYSTEM_CTRL_CONF</a>	

## CDMA2000\_SYSCMD\_IND\_PORT

TTCN-3 Port Type	
Name	CDMA2000_SYSCMD_IND_PORT
Comment	CDMA2000 PTC: Port for system indications/Commands
out	<a href="#">CDMA2000_SYSTEM_CMD</a>
in	<a href="#">CDMA2000_SYSTEM_IND</a>

## CDMA2000\_RLP\_FLOW\_PORT

TTCN-3 Port Type	
Name	CDMA2000_RLP_FLOW_PORT
Comment	CDMA2000 PTC: Port for RLP SDU's to be sent on RLP packet data streams
out	<a href="#">CDMA2000_RLP_FLOW_COMM_ON_REQ</a>
in	<a href="#">CDMA2000_RLP_FLOW_COMM_ON_IND</a>

## D.8 CDMA2000\_CommonDefs

type definitions used by CDMA2000 and EUTRA

### CDMA2000\_CommonDefs: Basic Type Definitions

TTCN-3 Basic Types		
BandclassCDMA2000_Type	integer (0..31)	Band class defined as in 36.331 ASN.1 definition for BandclassCDMA2000
ARFCN_ValueCDMA2000_Type	integer (0..2047)	ARFCN for CDMA2000 cell as in 36.331 ASN.1 definition for ARFCN_ValueCDMA2000
PhysCellIdCDMA2000_Type	integer (0..511)	PN offset for CDMA2000 cell as in 36.331 ASN.1 definition for PhysCellIdCDMA2000
ProtRev_Type	integer (0..255)	protocol revision
OpenLoopAdjust_Type	integer (0..255)	9.4.6.2.6 of C.S0024-C v2.0
BCD_Digit_Type	integer (0..9)	To represent BCD digit of MCC
TMSI_Code_Type	<a href="#">O4_Type</a>	
EncryptionMode_Type	integer (0..7)	C.S0005-F v1.0 table 3.7.4.5-1 & 3.7.5.7-3 0 ... Encryption disabled 1 ... Encryption with ORYX algorithm for User Info and Enhanced Cellular Msg Encryption Algorithm for Signalling 2 ... Encryption with Rijndael algorithm 3-7 ... reserved
TMSI_ZoneLen_Type	integer (1..8)	TMSI Zone Length; On encoding this is encoded to B4_Type
SectorID_HRPD_Type	<a href="#">B128_Type</a>	Sector ID for HRPD as in 36.331 ASN.1 definition for CellGlobalIdCDMA2000.cellGlobalIdHRPD
PilotOffset_Type	integer (-31..0)	Represents the offset i.e. Pilot Channel power to total cell power(dB); By default shall be set to -7 127 selected Max value by 7 bits
Powerlor_Type	integer (-127..0)	Represents the cell total Tx power lor (dBm/1.23 MHz)
Powerloc_Type	integer (-127..0)	Represents the cell total AWGN power loc (dBm/1.23 MHz) which is independent of cell
SystemType_Type	integer (0..255)	0 to 2 are allowed and 3 to 255 are reserved 13.1 of C.S0024-C v2.0
ColorCode_Type	integer (0..255)	7.11.6.2.1 of C.S0024-C v2.0
ReverseLinkMACIndex_Type	integer (0..383)	C.S0024-C v2.0 clause 12.4.1.3.2.2

**MCC\_Type**

TTCN-3 Record of Type	
<b>Name</b>	<b>MCC_Type</b>
<b>Comment</b>	Represents Mobile Country Code
record length (3) of <a href="#">BCD_Digit_Type</a>	

**TMSI\_Zone\_Type**

TTCN-3 Record of Type	
<b>Name</b>	<b>TMSI_Zone_Type</b>
<b>Comment</b>	TMSI Zone 1 to 8 octets
record length (1..8) of <a href="#">B8_Type</a>	

**TMSI\_Type**

TTCN-3 Record Type		
<b>Name</b>	<b>TMSI_Type</b>	
<b>Comment</b>	Globally unique TMSI as defined in C.S0005-F v1.0 clause 3.7.2.3.2.19	
TMSI_ZoneLen	<a href="#">TMSI_ZoneLen_Type</a>	Length of TMSI_Zone 1..8
TMSI_Zone	<a href="#">TMSI_Zone_Type</a>	TMSI_ZoneLen octets of TMSI_Zone
TMSI_Code	<a href="#">TMSI_Code_Type</a>	TMSI code

**SectorID\_RTT1X\_Type**

TTCN-3 Record Type		
<b>Name</b>	<b>SectorID_RTT1X_Type</b>	
<b>Comment</b>	Sector ID for 1XRTT acc. to C.S0005-F v1.0 clause 3.7.2.3.2.1 and as in 36.331 ASN.1 clause 6.3.4, definition of CellGlobalIdCDMA2000.cellGlobalId1XRTT	
BaselId	<a href="#">B16_Type</a>	Base station identification. The base station shall set this field to its identification number
NID	<a href="#">B16_Type</a>	Network identification This field serves as a sub-identifier of a system as defined by the owner of the SID. The base station shall set this field to the network identification number for this network
SID	<a href="#">B15_Type</a>	System identification. set to the system identification number for this system

**CarrierFreqCDMA2000\_Type**

TTCN-3 Record Type		
<b>Name</b>	<b>CarrierFreqCDMA2000_Type</b>	
<b>Comment</b>	Carrier Frequency for CDMA2000 cell as in 36.331 ASN.1 definition for CarrierFreqCDMA2000; contains Band class 5 bit and Channel number 11 bit part of Sector Channel over head message contained in 24 bit Channel IE	
BandClass	<a href="#">BandclassCDMA2000_Type</a>	
ARFCN	<a href="#">ARFCN_ValueCDMA2000_Type</a>	

**CDMA2K\_Type**

TTCN-3 Enumerated Type	
<b>Name</b>	<b>CDMA2K_Type</b>
<b>Comment</b>	CDMA 2000 Type for CDMA2000 cell as in 36.331 ASN.1 definition for CDMA2000-Type
type1XRTT	
typeHRPD	

## CellGlobalIdCDMA2000\_Type

TTCN-3 Union Type	
<b>Name</b>	<b>CellGlobalIdCDMA2000_Type</b>
<b>Comment</b>	CDMA 2000 Type Sector ID of the Cell as in 36.331 ASN.1 definition CellGlobalIdCDMA2000
RTT1X	<a href="#">SectorID_RTT1X_Type</a>
HRPD	<a href="#">SectorID_HRPD_Type</a>

## ReverseRateLimit\_Type

TTCN-3 Enumerated Type	
<b>Name</b>	<b>ReverseRateLimit_Type</b>
<b>Comment</b>	Table 9.9.6.3-2 of C.S0024-C v2.0; set to the highest data rate that the access terminal is allowed to use on the Reverse Traffic Channel; 10 Reserved values
kbps0	
kbps9_6	
kbps19_2	
kbps38_4	
kbps76_8	
kbps153_6	
resrv1	
resrv2	
resrv3	
resrv4	
resrv5	
resrv6	
resrv7	
resrv8	
resrv9	
resrv10	

## PacketApplication\_Type

TTCN-3 Enumerated Type	
<b>Name</b>	<b>PacketApplication_Type</b>
<b>Comment</b>	Type of Packet Application to be used in Stream protocol
enhMultiFlowPacketApp	

## ControlChannelRate\_Type

TTCN-3 Enumerated Type	
<b>Name</b>	<b>ControlChannelRate_Type</b>
<b>Comment</b>	Determines the MAC configuration for Control Channel
macIndex2	
macIndex3	

## CDMA2000\_CellId\_Type

TTCN-3 Enumerated Type	
Name	CDMA2000_CellId_Type
Comment	
cdma2000_Cell_Non Specific	
cdma2000_Cell15	HRDP Cell
cdma2000_Cell16	HRDP Cell
cdma2000_Cell17	HRDP Cell
cdma2000_Cell18	HRDP Cell
cdma2000_Cell19	RTT1X Cell
cdma2000_Cell20	RTT1X Cell
cdma2000_Cell21	RTT1X Cell
cdma2000_Cell22	RTT1X Cell

## SearchWindowSizeRecord\_Type

TTCN-3 Record Type	
Name	SearchWindowSizeRecord_Type
Comment	
SearchWindow_Active	<a href="#">SearchWindowSize_Type</a> Search Window for Active Cells
SearchWindow_Neighbor	<a href="#">SearchWindowSize_Type</a> Search Window for Neighbour Cells
SearchWindow_Remaining	<a href="#">SearchWindowSize_Type</a> Search Window for Rest Cells

## D.9 HRPD\_MsgTypeDefs

## HRPD\_MsgTypeDefs: Basic Type Definitions

TTCN-3 Basic Types	
MessageId_Type	<a href="#">B8_Type</a>
TransactionId_Type	<a href="#">B8_Type</a>
B34_Type	bitstring length(34)
RChannelGain	<a href="#">B2_Type</a>
MACIndexMSB	<a href="#">B1_Type</a>
DSC	<a href="#">B3_Type</a>
DeltaT2P	<a href="#">B6_Type</a>

## CONNECTION\_REQUEST

TTCN-3 Record Type	
Name	CONNECTION_REQUEST
Comment	clause 7.4.6.2.2
MessageId	<a href="#">MessageId_Type</a> The access terminal shall set this field to 0x01
TransactionId	<a href="#">TransactionId_Type</a> The access terminal shall increment this value for each new ConnectionRequest message sent
RequestReason	<a href="#">B4_Type</a> 0x0 Access Terminal Initiated 0x1 Access Network Initiated
Reserved	<a href="#">B4_Type</a> The access terminal shall set this field to zero. The access network shall ignore this field.



Pilot

TTCN-3 Record Type		
Name	Pilot	
Comment		
PilotPN	<a href="#">B9_Type</a>	The access network shall set this field to the PN Offset associated with the sector that will transmit a Power Control Channel to the access terminal, to whom the access terminal is allowed to point its DRC, and whose Control Channel and Forward Traffic Channel the access terminal may monitor.
SoftHandoff	<a href="#">B1_Type</a>	If the Forward Traffic Channel associated with this pilot will carry the same closed-loop power-control bits as that of the previous pilot in this message, the access network shall set this field to '1'; otherwise, the access network shall set this field to '0'. The access network shall set the first instance of this field to '0'. If the SofterHandoff field associated with a PilotPN is equal to '1', then the PilotPN is defined to belong to the same cell as the previous PilotPN in this message
MACIndexLSBs	<a href="#">B6_Type</a>	Least Significant Bits of the Medium Access Control Index. The access network shall set this field to the six least significant bits of the MACIndex assigned to the access terminal by this sector
DRCCover	<a href="#">B3_Type</a>	The access network shall set this field to the index of the DRC cover associated with the sector specified in this record.
RABLength	<a href="#">B2_Type</a>	If the traffic channel being assigned by this message is to use Subtype 0 or Subtype 1 Reverse Traffic Channel MAC protocol, the access network shall set the RABLength to specify the Reverse Activity Bit length according to Table 9.7.6.2-2. Otherwise, the access network shall set this field to '00'. '00':8,'01':16,'10':32,'11':64
RABOffset	<a href="#">B3_Type</a>	If the traffic channel being assigned 1 by this message is to use Subtype 0 or Subtype 1 Reverse Traffic Channel MAC protocol, the access network shall set this field to indicate the offset associated with the Reverse Activity Bit. Otherwise, the access network shall set this field to '000'. The value (in slots) of RABOffset is the number the field is set to multiplied by RABLength/8

PilotList

TTCN-3 Record of Type	
Name	PilotList
Comment	
record length (1..15) of <a href="#">Pilot</a>	

RACChannelGainList

TTCN-3 Record of Type	
Name	RACChannelGainList
Comment	
record length (1..15) of <a href="#">RACChannelGain</a>	

## MACIndexMSBList

TTCN-3 Record of Type	
Name	MACIndexMSBList
Comment	
record length (1..15) of <a href="#">MACIndexMSB</a>	

## DSCList

TTCN-3 Record of Type	
Name	DSCList
Comment	
record length (1..15) of <a href="#">DSC</a>	

## DeltaT2PList

TTCN-3 Record of Type	
Name	DeltaT2PList
Comment	
record length (1..15) of <a href="#">DeltaT2P</a>	

## PilotRec

TTCN-3 Record Type			
Name	PilotRec		
Comment			
PilotPNPhase	<a href="#">B15_Type</a>		The PN offset in resolution of 1 chip of a pilot in the Active Set or Candidate Set of the access terminal that is not the reference pilot
ChannelIncluded	<a href="#">B1_Type</a>		The access terminal shall set this field to '1' if the channel for this pilot offset is not the same as the current channel. Otherwise, the access terminal shall set this field to '0'.
Channel	<a href="#">B24_Type</a>	opt	The access terminal shall include this field if the ChannelIncluded field is set to '1'. The access terminal shall set this to the channel record corresponding to this pilot (see 14.1). Otherwise, the access terminal shall omit this field for this pilot offset
PilotStrength	<a href="#">B6_Type</a>		The access terminal shall set this field to $-2 * 10 * \log_{10} PS$ , where PS is the strength of the pilot in the above field, measured as specified in 8.7.6.1.2.3. If this value is less than 0, the access terminal shall set this field to '000000'. If this value is greater than '111111', the access terminal shall set this field to '111111'
Keep	<a href="#">B1_Type</a>		If the pilot drop timer corresponding to the pilot in the above field has expired, the access terminal shall set this field to '0'; otherwise the access terminal shall set this field to '1'

## PilotRecList

TTCN-3 Record of Type	
Name	PilotRecList
Comment	
record length (1..15) of <a href="#">PilotRec</a>	

## ReservedVariable

TTCN-3 Record of Type	
Name	ReservedVariable
Comment	
record length (0..7) of bitstring	

## ROUTE\_UPDATE

TTCN-3 Record Type		
Name	ROUTE_UPDATE	
Comment	clause 8.7.6.2.1	
MessageId	<a href="#">MessageId_Type</a>	The access network shall set this field to '00'0
MessageSequence	<a href="#">B8_Type</a>	The access terminal shall set this field to the sequence number of this message. The sequence number of this message is 1 more than the sequence number of the last RouteUpdate message (modulo 284) sent by this access terminal. If this is the first RouteUpdate message sent by the access terminal, it shall set this field to 0x00
ReferencePilotPN	<a href="#">B9_Type</a>	The access terminal shall set this field to the access terminal's time reference (the reference pilot), relative to the zero offset pilot PN sequence in units of 64 PN chips
ReferencePilotStrength	<a href="#">B6_Type</a>	The access terminal shall set this field to $-2 * 10 * \log_{10}PS$ , where PS is the strength of the reference pilot, measured as specified in 8.7.6.1.2.3. If this value is less than 0, the access terminal shall set this field to '000000'. If this value is greater than '111111', the access terminal shall set this field to '111111'
ReferenceKeep	<a href="#">B1_Type</a>	If the pilot drop timer corresponding to the reference pilot has expired, the access terminal shall set this field to '0'; otherwise the access terminal shall set this field to '1'
NumPilots	<a href="#">B4_Type</a>	The access terminal shall set this field to the number of pilots that follow this field in the message
PilotsRedList	<a href="#">PilotRedList</a>	Pilot record
Reserved	<a href="#">ReservedVariable</a>	The number of bits in this field is equal to the number needed to make the message length an integer number of octets. This field shall be set to all zeros

## Header\_Format

TTCN-3 Record Type		
Name	Header_Format	
Comment	When TunnelModeEnabled is not set to '0', the access terminal and the access network shall place the following header in front of each packet received from the Packet Consolidation Protocol	
SAPState	<a href="#">B1_Type</a>	The sender shall set this field to '1' if the Inter-RAT Signalling Adaptation Protocol is currently in the Open State, otherwise the sender shall set this field to '0'
SessionConfigurationToken	<a href="#">B16_Type</a>	If SAP is in the Open State, the access terminal shall omit this field. Otherwise, the access terminal shall set this field to the value of the SessionConfigurationToken which is public data of the Session Configuration Protocol. The access network shall omit this field
ConnectionLayerFormat	<a href="#">B1_Type</a>	The access terminal or the access network shall set this field to '1' if the connection layer packet is Format B; otherwise, it shall set this field to '0'
ATI_Record	<a href="#">B34_Type</a>	Access Terminal Identifier Record. The access terminal or the access network shall set this field to the record specifying the access terminal's ID specified by TransmitATI.ATI and TransmitATI.ATI type. This record is defined in 14.2 in [1]
Reserved	<a href="#">B4_Type</a>	The access terminal or the access network shall set this field to all zeros

## D.10 EUTRA\_ASP\_CDMA2000TunnellingDefs

ASP definitions for tunnelling of CDMA2000 messages e.g. during CDMA2000 pre-registration

## EUTRA\_ASP\_CDMA2000TunnellingDefs: Basic Type Definitions

TTCN-3 Basic Types		
TunneledInfoCDMA2000	octetstring	
MEID_Type	ULHandoverPreparationTransfer_r8_IEs .meid	
CDMA2000_MSG_REQ	<a href="#">CDMA2000_UL_Container_Type</a>	
CDMA2000_MSG_IND	<a href="#">CDMA2000_DL_Container_Type</a>	

## UL\_TunneledInfoCDMA2000

TTCN-3 Record Type			
Name	UL_TunneledInfoCDMA2000		
Comment			
Msg	<a href="#">TunneledInfoCDMA2000</a>		OCTET STRING
Meid	<a href="#">MEID_Type</a>	opt	ASN.1 type: BIT STRING (SIZE (56)) used to tunnel meid received from UE in ULHandoverPreparationTransfer for 1xRTT, not present other wise

## CDMA2000\_UL\_Container\_Type

TTCN-3 Record Type			
Name	CDMA2000_UL_Container_Type		
Comment			
CDMA2000Type	CDMA2000_Type		ASN.1 type: type1XRTT, typeHRPD
UL_Msg	<a href="#">UL_TunneledInfoCDMA2000</a>		

## DL\_TunneledInfoCDMA2000

TTCN-3 Record Type			
Name	DL_TunneledInfoCDMA2000		
Comment			
Msg	<a href="#">TunneledInfoCDMA2000</a>		OCTET STRING

## CDMA2000\_DL\_Container\_Type

TTCN-3 Record Type			
Name	CDMA2000_DL_Container_Type		
Comment			
CDMA2000Type	CDMA2000_Type		ASN.1 type: type1XRTT, typeHRPD
DL_Msg	<a href="#">DL_TunneledInfoCDMA2000</a>		OCTET STRING

## CDMA2000\_TUNNELLING\_PORT

TTCN-3 Port Type		
Name	CDMA2000_TUNNELLING_PORT	
Comment	EUTRA PTC: Port to deal with tunnelling of CDMA2000 messages	
out	<a href="#">CDMA2000_MSG_REQ</a>	
in	<a href="#">CDMA2000_MSG_IND</a>	

## D.11 EUTRA\_ASP\_VirtualNoiseDefs

ASP definitions for virtual noise generation in EUTRA cells.

The noise is configured for an already existing EUTRA cell.

For UEs with 2 antenna connectors the AWGN (Additive white Gaussian noise) signals applied to each receiver antenna connector shall be uncorrelated.

### EUTRA\_ASP\_VirtualNoiseDefs: Basic Type Definitions

TTCN-3 Basic Types	
EUTRA_VngConfigConfirm_Type	<a href="#">Null_Type</a>

### EUTRA\_VngConfigInfo\_Type

TTCN-3 Record Type	
Name	<b>EUTRA_VngConfigInfo_Type</b>
Comment	
Bandwidth	<a href="#">DI_Bandwidth_Type</a> Bandwidth to be used for the noise (in general the same bandwidth as for the associated EUTRA cell)
NocLevel	integer Noc level; calculation is FFS

### EUTRA\_VngConfigRequest\_Type

TTCN-3 Union Type	
Name	<b>EUTRA_VngConfigRequest_Type</b>
Comment	configure/activate noise for a given cell; NOTE: it is assumed the associated EUTRA cell has been created beforehand
Configure	<a href="#">EUTRA_VngConfigInfo_Type</a> configuration of the virtual noise generator; regardless of the power level the noise generator is off before it gets activated for this cell; whether the configuration can be changed during a test is FFS but if so the noise generator shall be deactivated for this cell
Activate	<a href="#">Null_Type</a> noise is activated (switched on) for the given cell acc. to the previous configuration; while being active the configuration shall not be modified
Deactivate	<a href="#">Null_Type</a> deactivate noise for given cell

### EUTRA\_VNG\_CTRL\_REQ

TTCN-3 Record Type	
Name	<b>EUTRA_VNG_CTRL_REQ</b>
Comment	
Common	<a href="#">ReqAspCommonPart_Type</a> CellId : as for the associated EUTRA cell RoutingInfo : None TimingInfo : Now ControlInfo : CnflFlag:=true; FollowOnFlag:=false
Request	<a href="#">EUTRA_VngConfigRequest_Type</a>

## EUTRA\_VNG\_CTRL\_CNF

TTCN-3 Record Type			
Name	EUTRA_VNG_CTRL_CNF		
Comment			
Common	<a href="#">CnfAspCommonPart_Type</a>		TimingInfo is ignored by TTCN (apart from EnquireTiming) => SS may set TimingInfo to "None"
Confirm	<a href="#">EUTRA_VngConfigConfirm_Type</a>		

## EUTRA\_VNG\_PORT

TTCN-3 Port Type			
Name	EUTRA_VNG_PORT		
Comment	EUTRA PTC: Port for virtual noise generator		
out	<a href="#">EUTRA_VNG_CTRL_REQ</a>		
in	<a href="#">EUTRA_VNG_CTRL_CNF</a>		

## D.12 UTRAN\_ASP\_VirtualNoiseDefs

ASP definitions for virtual noise generation in UTRAN cells.

The noise is configured for an already existing UTRAN cell.

NOTE: For the time being VNG is applicable for UTRAN FDD only as acc. to TS 36.304 clause 5.2.4.5 there is no quality based measurement for UTRAN TDD, GERAN or CDMA 2000

### UTRAN\_ASP\_VirtualNoiseDefs: Basic Type Definitions

TTCN-3 Basic Types			
UTRAN_VngConfigConfirm_Type	<a href="#">Null_Type</a>		

### UTRAN\_VngConfigInfo\_Type

TTCN-3 Record Type			
Name	UTRAN_VngConfigInfo_Type		
Comment			
locLevel	integer		loc level; calculation is FFS

### UTRAN\_VngConfigRequest\_Type

TTCN-3 Union Type			
Name	UTRAN_VngConfigRequest_Type		
Comment	configure/activate noise for a given cell; NOTE: it is assumed the associated UTRAN cell has been created beforehand		
Configure	<a href="#">UTRAN_VngConfigInfo_Type</a>		configuration of the virtual noise generator; regardless of the power level the noise generator is off before it gets activated for this cell; whether the configuration can be changed during a test is FFS but if so the noise generator shall be deactivated for this cell
Activate	<a href="#">Null_Type</a>		noise is activated (switched on) for the given cell acc. to the previous configuration; while being active the configuration shall not be modified
Deactivate	<a href="#">Null_Type</a>		deactivate noise for given cell

## UTRAN\_VNG\_CTRL\_REQ

TTCN-3 Record Type			
Name	UTRAN_VNG_CTRL_REQ		
Comment			
CellId	integer		id of associated UTRAN cell
Request	<a href="#">UTRAN_VngConfigRequest_Type</a>		

## UTRAN\_VNG\_CTRL\_CNF

TTCN-3 Record Type			
Name	UTRAN_VNG_CTRL_CNF		
Comment			
CellId	integer		id of associated UTRAN cell
Confirm	<a href="#">UTRAN_VngConfigConfirm_Type</a>		

## UTRAN\_VNG\_PORT

TTCN-3 Port Type			
Name	UTRAN_VNG_PORT		
Comment	UTRAN PTC: Port for virtual noise generator		
out	<a href="#">UTRAN_VNG_CTRL_REQ</a>		
in	<a href="#">UTRAN_VNG_CTRL_CNF</a>		

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## D.13 CommonDefs

### CommonDefs: Constant Definitions

TTCN-3 Basic Types			
tsc_UInt8Max	integer	255	
tsc_UInt16Max	integer	65535	
tsc_UInt20Max	integer	1048575	
tsc_UInt32Max	integer	4294967295	
tsc_GuardTimePreamble	float	180	

## CommonDefs: Basic Type Definitions

TTCN-3 Basic Types		
<b>B1_Type</b>	bitstring length(1)	
<b>B2_Type</b>	bitstring length(2)	
<b>B3_Type</b>	bitstring length(3)	
<b>B4_Type</b>	bitstring length(4)	
<b>B5_Type</b>	bitstring length(5)	
<b>B6_Type</b>	bitstring length(6)	
<b>B7_Type</b>	bitstring length(7)	
<b>B7_15_Type</b>	bitstring length(7..15)	NOTE: length restriction can only be a range but not two distinct lengths
<b>B8_Type</b>	bitstring length(8)	
<b>B9_Type</b>	bitstring length(9)	
<b>B10_Type</b>	bitstring length(10)	
<b>B11_Type</b>	bitstring length(11)	
<b>B12_Type</b>	bitstring length(12)	
<b>B15_Type</b>	bitstring length(15)	
<b>B16_Type</b>	bitstring length(16)	
<b>B24_Type</b>	bitstring length(24)	
<b>B32_Type</b>	bitstring length(32)	
<b>B128_Type</b>	bitstring length(128)	
<b>B256_Type</b>	bitstring length(256)	
<b>B128_Key_Type</b>	<a href="#">B128_Type</a>	128 bit security key
<b>O3_Type</b>	octetstring length(3)	
<b>O4_Type</b>	octetstring length(4)	
<b>O8_Type</b>	octetstring length(8)	
<b>O13_Type</b>	octetstring length(14)	
<b>Null_Type</b>	boolean (true)	dummy type for 'typeless' fields in unions
<b>Dummy_Type</b>	boolean (true)	dummy type for temporary purposes only
<b>UInt16_Type</b>	integer (0 .. <a href="#">tsc UInt16Max</a> )	
<b>UInt32_Type</b>	integer (0 .. <a href="#">tsc UInt32Max</a> )	
<b>Char1_Type</b>	charstring length (1)	
<b>IP_Drbld_Type</b>	integer	DRB identity type common for all RATs: - for EUTRA it corresponds to the ASN.1 type DRB-Identity - for UTRAN it corresponds to the ASN.1 type RB-Identity and values are as defined in TS 34.123-3 Table 8.2.4.1 - for GERAN the NSAPI value (type record NSAPI) may be used (FFS) NOTE: this is introduced to simplify the dependencies (i.e. to keep IP_ASP_TypeDefs independent from any RAT specific type definitions)



## EUTRA\_CellId\_Type

TTCN-3 Enumerated Type	
Name	EUTRA_CellId_Type
Comment	
eutra_Cell_NonSpecific	
eutra_Cell1	
eutra_Cell2	
eutra_Cell3	
eutra_Cell4	
eutra_Cell6	
eutra_Cell10	
eutra_Cell11	
eutra_Cell12	
eutra_Cell13	
eutra_Cell14	
eutra_Cell23	
eutra_Cell28	
eutra_Cell29	
eutra_Cell30	
eutra_Cell31	
eutra_CellA	
eutra_CellB	
eutra_CellC	
eutra_CellD	
eutra_CellE	
eutra_CellG	
eutra_CellH	
eutra_CellI	
eutra_CellJ	
eutra_CellK	
eutra_CellL	
eutra_CellM	

## EUTRA\_CellIdList\_Type

TTCN-3 Record of Type	
Name	EUTRA_CellIdList_Type
Comment	
record length (0..7) of <a href="#">EUTRA_CellId_Type</a>	

## UTRAN\_CellId\_Type

TTCN-3 Enumerated Type	
Name	UTRAN_CellId_Type
Comment	
utran_CellDedicated	
utran_Cell5	
utran_Cell7	
utran_Cell8	
utran_Cell9	
utran34_Cell1	
utran34_Cell2	
utran34_Cell3	
utran34_Cell4	
utran34_Cell5	
utran34_Cell6	
utran34_Cell7	
utran34_Cell8	

## IP\_EUTRA\_DrbInfo\_Type

TTCN-3 Record Type			
Name	IP_EUTRA_DrbInfo_Type		
Comment			
CellId	<a href="#">EUTRA_CellId_Type</a>		data is routed to a specific cell regardless of whether the same DRB is configured in any other cell
DrbId	<a href="#">IP_DrbId_Type</a>	opt	mandatory at the system interface

## IP\_UTRAN\_GERAN\_DrbInfo\_Type

TTCN-3 Record Type			
Name	IP_UTRAN_GERAN_DrbInfo_Type		
Comment			
CellId	integer		
DrbId	<a href="#">IP_DrbId_Type</a>	opt	mandatory at the system interface

## IP\_DrbInfo\_Type

TTCN-3 Union Type			
Name	IP_DrbInfo_Type		
Comment			
Eutra	<a href="#">IP_EUTRA_DrbInfo_Type</a>		
Utran	<a href="#">IP_UTRAN_GERAN_DrbInfo_Type</a>		
Geran	<a href="#">IP_UTRAN_GERAN_DrbInfo_Type</a>		

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## D.14 References to TTCN-3

References to TTCN-3		
EUTRA_ASP_TypeDefs	EUTRA_Defs/EUTRA_ASP_TypeDefs.ttcn	Rev 9298
EUTRA_ASP_DrbDefs	EUTRA_Defs/EUTRA_ASP_DrbDefs.ttcn	Rev 9298
EUTRA_ASP_SrbDefs	EUTRA_Defs/EUTRA_ASP_SrbDefs.ttcn	Rev 8395
IP_ASP_TypeDefs	IP_PTC/IP_ASP_TypeDefs.ttcn	Rev 9240
NasEmu_AspTypes	NasEmulation/NasEmu_AspTypes.ttcn	Rev 8395
EUTRA_CommonDefs	EUTRA_Defs/EUTRA_CommonDefs.ttcn	Rev 9298
CDMA2000_ASP_TypeDefs	C2K/CDMA2000_ASP_TypeDefs.ttcn	Rev 8395
CDMA2000_CommonDefs	C2K/CDMA2000_CommonDefs.ttcn	Rev 9022
HRPD_MsgTypeDefs	C2K/HRPD_MsgTypeDefs.ttcn	Rev 8886
EUTRA_ASP_CDMA2000TunnellingDefs	EUTRA_Defs/EUTRA_ASP_CDMA2000TunnellingDefs.ttcn	Rev 8820
EUTRA_ASP_VirtualNoiseDefs	EUTRA_Defs/EUTRA_ASP_VirtualNoiseDefs.ttcn	Rev 8395
UTRAN_ASP_VirtualNoiseDefs	UTRAN/UTRAN_ASP_VirtualNoiseDefs.ttcn	Rev 8465
CommonDefs	Common/CommonDefs.ttcn	Rev 9375

## Annex E (informative): Change history

Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
2008-05					Creation of draft TS		0.0.2
2008-08					Add test models	0.0.2	0.1.0
2008-10					Add ASPs and state model	0.1.1	0.3.0
2008-12					Add details of UL/DL scheduling and cell configurations	0.4.0	0.5.0
2009-02					Change naming conventions, add more design considerations	0.5.0	1.0.0
2009-03	RAN#43	RP-090271			Presentation for Information	1.0.0	1.0.2
2009-03					Add Upper tester interface	1.0.2	1.1.0
2009-04					Improved DL scheduling	1.1.0	1.2.0
2009-06					Add normative annex D for ASP definitions	1.2.0	1.3.0
2009-08					General update	1.3.0	1.4.0
2009-09					Style /format check from ETSI EditHelp	1.4.0	1.4.1
2009-09	RAN#45	RP-090753			Presentation of v2.0.0 for approval	1.4.1	2.0.0
2009-09					Updated to 8.0.0 with no change	2.0.0	8.0.0
2009-12	RAN#46	RP-091122	0001	-	LTE ASP clarifications and update	8.0.0	8.1.0
2009-12	RAN#46	RP-091119	0002	-	CR to 36.523-3: Add new e-mail agreed LTE TTCN test cases in the TC list of Annex A and update Annex D	8.0.0	8.1.0
2009-12	RAN#46	R5s090180	0003	-	Resubmission of GCF WI 81 LTE RRC test case 8.1.2.1 on wk42 TTCN	8.0.0	8.1.0
2009-12	RAN#46	R5s090139	0004	-	Addition of GCF WI 81 LTE RRC test case 8.1.1.1	8.0.0	8.1.0
2009-12	RAN#46	R5s090144	0005	-	Addition of GCF WI 81 LTE RRC test case 8.1.3.1	8.0.0	8.1.0
2009-12	RAN#46	R5s090163	0006	-	Addition of GCF WI 82 EUTRA NAS test case 9.2.1.1.2	8.0.0	8.1.0
2009-12	RAN#46	R5s090141	0007	-	Addition of GCF WI 81 LTE MAC test case 7.1.1.1	8.0.0	8.1.0
2009-12	RAN#46	R5s090160	0008	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.1	8.0.0	8.1.0
2009-12	RAN#46	R5s090156	0009	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.2	8.0.0	8.1.0
2009-12	RAN#46	R5s090154	0010	-	Addition of GCF WI 82 EPC test case 9.2.2.1	8.0.0	8.1.0
2009-12	RAN#46	R5s090165	0011	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.3	8.0.0	8.1.0
2009-12	RAN#46	R5s090171	0012	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.3	8.0.0	8.1.0
2009-12	RAN#46	R5s090176	0013	-	Addition of GCF WI 82 EPC test case 9.3.2.1	8.0.0	8.1.0
2009-12	RAN#46	R5s090174	0014	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.7	8.0.0	8.1.0
2009-12	RAN#46	R5s090178	0015	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.6	8.0.0	8.1.0
2009-12	RAN#46	R5s090198	0016	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.3.1	8.0.0	8.1.0
2009-12	RAN#46	R5s090204	0017	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.3.4	8.0.0	8.1.0
2009-12	RAN#46	R5s090202	0018	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.3.3	8.0.0	8.1.0
2009-12	RAN#46	R5s090200	0019	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.3.2	8.0.0	8.1.0
2009-12	RAN#46	R5s090196	0020	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.4.2	8.0.0	8.1.0
2009-12	RAN#46	R5s090194	0021	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.4.1	8.0.0	8.1.0
2010-03	RAN#47	R5-100103	0090	-	An additional option for IP address allocation in test cases using UE test mode	8.1.0	8.2.0
2010-03	RAN#47	R5-101049	0081	-	Add a new clause for postamble in a UTRA/GERAN cell	8.1.0	8.2.0
2010-03	RAN#47	R5-101050	0082	2	Routine maintenance of TS 36.523-3	8.1.0	8.2.0
2010-03	RAN#47	RP-100147	0022	1	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	8.1.0	8.2.0
2010-03	RAN#47	R5s090209	0076	-	Addition of GCF WI 81 LTE Idle Mode test case 6.1.2.2 on wk42 TTCN	8.1.0	8.2.0
2010-03	RAN#47	R5s090210	0075	-	Addition of GCF WI 82 EPC test case 9.1.3.1	8.1.0	8.2.0
2010-03	RAN#47	R5s090212	0078	-	Addition of GCF WI 82 EPC test case 9.2.3.1.5	8.1.0	8.2.0
2010-03	RAN#47	R5s090214	0077	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.15	8.1.0	8.2.0
2010-03	RAN#47	R5s090217	0072	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.5	8.1.0	8.2.0
2010-03	RAN#47	R5s090219	0073	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.17	8.1.0	8.2.0
2010-03	RAN#47	R5s090222	0074	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.20	8.1.0	8.2.0
2010-03	RAN#47	R5s090306	0045	-	Addition of GCF WI 81 LTE RRC test case 8.5.4.1	8.1.0	8.2.0
2010-03	RAN#47	R5s090310	0038	-	Addition of GCF WI-82 EPC test case 9.1.2.1	8.1.0	8.2.0

Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
2010-03	RAN#47	R5s090314	0030	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.1	8.1.0	8.2.0
2010-03	RAN#47	R5s090316	0049	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.2	8.1.0	8.2.0
2010-03	RAN#47	R5s090318	0042	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.3	8.1.0	8.2.0
2010-03	RAN#47	R5s090320	0041	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.4	8.1.0	8.2.0
2010-03	RAN#47	R5s090322	0028	-	Correction to test step f_GetPDNAddress	8.1.0	8.2.0
2010-03	RAN#47	R5s090331	0024	-	Resubmission of GCF WI-81 LTE RRC test case 8.2.2.1 on ATS_w k47	8.1.0	8.2.0
2010-03	RAN#47	R5s090333	0025	-	Resubmission of GCF WI-81 LTE RRC test case 8.2.2.2 on ATS_w k47	8.1.0	8.2.0
2010-03	RAN#47	R5s090335	0023	-	Resubmission of GCF WI-81 LTE RRC test case 8.2.3.1 on ATS_w k47	8.1.0	8.2.0
2010-03	RAN#47	R5s090337	0027	-	Correction to EUTRA MAC test cases 7.1.3.3 and 7.1.3.7	8.1.0	8.2.0
2010-03	RAN#47	R5s090340	0040	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.5.1	8.1.0	8.2.0
2010-03	RAN#47	R5s090342	0039	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.5.2	8.1.0	8.2.0
2010-03	RAN#47	R5s090345	0043	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.1.2	8.1.0	8.2.0
2010-03	RAN#47	R5s090347	0048	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.2.2	8.1.0	8.2.0
2010-03	RAN#47	R5s090349	0033	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.2.3	8.1.0	8.2.0
2010-03	RAN#47	R5s090351	0034	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.2.4	8.1.0	8.2.0
2010-03	RAN#47	R5s090353	0035	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.2.5	8.1.0	8.2.0
2010-03	RAN#47	R5s090355	0047	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.2.7	8.1.0	8.2.0
2010-03	RAN#47	R5s090357	0032	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.2.9	8.1.0	8.2.0
2010-03	RAN#47	R5s090359	0050	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.4	8.1.0	8.2.0
2010-03	RAN#47	R5s090361	0026	-	Correction of GCF WI 81 EUTRA RLC test case 7.2.3.2	8.1.0	8.2.0
2010-03	RAN#47	R5s090362	0031	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.13	8.1.0	8.2.0
2010-03	RAN#47	R5s090364	0054	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.1	8.1.0	8.2.0
2010-03	RAN#47	R5s090366	0046	-	Addition of GCF WI 82 EPC test case 9.3.1.1	8.1.0	8.2.0
2010-03	RAN#47	R5s090368	0029	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.5	8.1.0	8.2.0
2010-03	RAN#47	R5s090373	0037	-	TTCN corrections from LTE ATS_w k51 regression testing	8.1.0	8.2.0
2010-03	RAN#47	R5s090375	0056	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.8	8.1.0	8.2.0
2010-03	RAN#47	R5s090377	0055	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.6	8.1.0	8.2.0
2010-03	RAN#47	R5s090379	0036	-	Correction to EPC test case 9.2.3.1.5	8.1.0	8.2.0
2010-03	RAN#47	R5s100001	0044	-	Correction to EUTRA RLC test case 7.2.3.17	8.1.0	8.2.0
2010-03	RAN#47	R5s100002	0052	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.14	8.1.0	8.2.0
2010-03	RAN#47	R5s100004	0059	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.6	8.1.0	8.2.0
2010-03	RAN#47	R5s100006	0050	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.7	8.1.0	8.2.0
2010-03	RAN#47	R5s100008	0056	-	Addition of GCF WI 82 LTE NAS test case 9.2.1.1.1	8.1.0	8.2.0
2010-03	RAN#47	R5s100012	0053	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.1.1	8.1.0	8.2.0
2010-03	RAN#47	R5s100014	0051	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.9	8.1.0	8.2.0

Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
2010-03	RAN#47	R5s100016	0058	-	Addition of GCF WI 81 EUTRA RLC test case 7.1.4.1	8.1.0	8.2.0
2010-03	RAN#47	R5s100018	0053	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.4	8.1.0	8.2.0
2010-03	RAN#47	R5s100020	0052	-	Summary of regression errors in wk51 LTE ATS	8.1.0	8.2.0
2010-03	RAN#47	R5s100021	0051	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.4	8.1.0	8.2.0
2010-03	RAN#47	R5s100024	0054	-	Addition of GCF WI-082 EPC test case 13.1.1	8.1.0	8.2.0
2010-03	RAN#47	R5s100029	0057	-	Addition of GCF WI 81 EUTRA Idle Mode test case 6.1.2.4	8.1.0	8.2.0
2010-03	RAN#47	R5s100031	0058	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.10	8.1.0	8.2.0
2010-03	RAN#47	R5s100039	0055	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.18	8.1.0	8.2.0
2010-03	RAN#47	R5s100041	0057	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.7	8.1.0	8.2.0
2010-03	RAN#47	R5s100043	0070	-	Addition of GCF WI 81 LTE MAC test case 7.1.4.10	8.1.0	8.2.0
2010-03	RAN#47	R5s100047	0071	-	Corrections of GCF WI 81 EUTRA RLC test cases 7.2.3.1, 7.2.3.4, and 7.2.3.5.	8.1.0	8.2.0
2010-03	RAN#47	R5s100049	0059	-	Regression CR for LTE w k03 ATS	8.1.0	8.2.0
2010-03	RAN#47	R5s100053	0079	-	Correction of GCF WI 81 EUTRA RLC test case 7.2.3.8	8.1.0	8.2.0
2010-03	RAN#47	R5s100054	0080	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.15	8.1.0	8.2.0
2010-06	RAN#48	RP-100515	0084	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	8.2.0	8.3.0
2010-06	RAN#48	R5-103845	0141	-	Specification of default UL grant type and exception TC list	8.2.0	8.3.0
2010-06	RAN#48	R5-103846	0142	-	Routine maintenance of TS 36.523-3	8.2.0	8.3.0
2010-06	RAN#48	R5-103847	0143	-	Align the postambles with the new specified UTRA test end states and UE attach implementation capabilities	8.2.0	8.3.0
2010-06	RAN#48	R5s100057	0085	-	Addition of GCF WI-081 RRC test case 8.2.1.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100065	0086	-	Correction of GCF WI 81 EUTRA RLC test case 7.2.2.5.2	8.2.0	8.3.0
2010-06	RAN#48	R5s100068	0092	-	Regression CR for LTE w k07 ATS	8.2.0	8.3.0
2010-06	RAN#48	R5s100072	0091	-	Correction to EPC test case 9.2.2.2.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100073	0090	-	Correction to LTE MAC test case 7.1.2.3 and 7.1.4.5	8.2.0	8.3.0
2010-06	RAN#48	R5s100074	0087	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.5	8.2.0	8.3.0
2010-06	RAN#48	R5s100076	0089	-	Corrections to GCF WI-81 EUTRA RLC test cases 7.2.2.1, 7.2.2.3 and 7.2.2.5.1.	8.2.0	8.3.0
2010-06	RAN#48	R5s100077	0088	-	Correction to 'EUTRA_NASSteps.tcn' module (here: APN IE)	8.2.0	8.3.0
2010-06	RAN#48	R5s100078	0113	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.8	8.2.0	8.3.0
2010-06	RAN#48	R5s100080	0112	-	Addition of GCF WI 81 EUTRA NAS test case 7.2.3.16	8.2.0	8.3.0
2010-06	RAN#48	R5s100082	0109	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.1.2	8.2.0	8.3.0
2010-06	RAN#48	R5s100086	0108	-	Addition of GCF WI 82 EPC test case 9.1.2.4	8.2.0	8.3.0
2010-06	RAN#48	R5s100088	0107	-	Addition of GCF WI 82 EPC test case 9.1.2.5	8.2.0	8.3.0
2010-06	RAN#48	R5s100090	0106	-	Addition of GCF WI 82 EPC test case 9.2.3.1.8	8.2.0	8.3.0
2010-06	RAN#48	R5s100092	0110	-	Addition of GCF WI 82 EPC test case 9.1.4.2	8.2.0	8.3.0
2010-06	RAN#48	R5s100094	0105	-	Addition of GCF WI 82 EPC test case 9.3.1.7a	8.2.0	8.3.0
2010-06	RAN#48	R5s100096	0104	-	Addition of GCF WI 82 EPC test case 9.3.1.7	8.2.0	8.3.0

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2010-06	RAN#48	R5s100098	0111	-	Addition of GCF WI 82 EPC test case 9.1.3.2	8.2.0	8.3.0
2010-06	RAN#48	R5s100100	0093	-	Addition of GCF WI 81 EUTRA RAB test case 12.2.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100102	0103	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.16	8.2.0	8.3.0
2010-06	RAN#48	R5s100104	0099	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.10	8.2.0	8.3.0
2010-06	RAN#48	R5s100106	0102	-	Addition of GCF WI -081 test case 8.2.1.3	8.2.0	8.3.0
2010-06	RAN#48	R5s100109	0131	-	Addition of GCF WI-082 EUTRA EPS test case 9.4.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100111	0101	-	Addition of GCF WI 82 EPC NAS test case 9.4.3	8.2.0	8.3.0
2010-06	RAN#48	R5s100113	0100	-	Addition of GCF WI 82 EPC test case 9.4.4	8.2.0	8.3.0
2010-06	RAN#48	R5s100116	0094	-	Regression CR for LTEw k11 ATS	8.2.0	8.3.0
2010-06	RAN#48	R5s100117	0098	-	Addition of GCF WI 82 EPC test case 9.4.2	8.2.0	8.3.0
2010-06	RAN#48	R5s100127	0097	-	Resubmission of GCF WI 82 EPC test case 9.1.2.3	8.2.0	8.3.0
2010-06	RAN#48	R5s100130	0095	-	Resubmission of GCF WI 81 EUTRA MAC test case 7.1.4.8	8.2.0	8.3.0
2010-06	RAN#48	R5s100132	0096	-	Addition of GCF WI 82 EPC test case 9.2.2.1.6	8.2.0	8.3.0
2010-06	RAN#48	R5s100135	0136	-	Baseline upgrade to December-09 Rel-8	8.2.0	8.3.0
2010-06	RAN#48	R5s100136	0130	-	Correction to the test step f_TestcasesL2Testcase	8.2.0	8.3.0
2010-06	RAN#48	R5s100137	0129	-	Correction to PDCCH candidate selection based on channel bandwidth under test	8.2.0	8.3.0
2010-06	RAN#48	R5s100138	0127	-	Addition of GCF WI-081 MAC test case 7.1.2.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100140	0128	-	Regression CR for LTE/SAE ATS_10w k11	8.2.0	8.3.0
2010-06	RAN#48	R5s100141	0125	-	Correction to GCF WI 81 EUTRA MAC test case 7.1.3.5	8.2.0	8.3.0
2010-06	RAN#48	R5s100142	0126	-	Correction to EUTRA RLC test case 7.2.3.10	8.2.0	8.3.0
2010-06	RAN#48	R5s100143	0118	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.9	8.2.0	8.3.0
2010-06	RAN#48	R5s100145	0119	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.13	8.2.0	8.3.0
2010-06	RAN#48	R5s100147	0122	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.6.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100149	0120	-	Addition of GCF WI 81 EUTRA RRC test case 8.3.1.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100151	0121	-	Addition of GCF WI 81 EUTRA RRC test case 8.5.1.5	8.2.0	8.3.0
2010-06	RAN#48	R5s100153	0123	-	Addition of GCF WI 82 EPC EMM test case 9.2.2.1.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100155	0117	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.7.1.1	8.2.0	8.3.0
2010-06	RAN#48	R5s100157	0116	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.7.1.2	8.2.0	8.3.0
2010-06	RAN#48	R5s100159	0114	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.7.1.3	8.2.0	8.3.0
2010-06	RAN#48	R5s100161	0115	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.7.1.4	8.2.0	8.3.0
2010-06	RAN#48	R5s100163	0124	-	Correction to MME Group ID to set MSB to 1	8.2.0	8.3.0
2010-06	RAN#48	R5s100169	0132	-	Correction of GCF WI-082 EPC test cases 9.1.2.3, 9.1.2.4 and 9.1.2.5	8.2.0	8.3.0
2010-06	RAN#48	R5s100172	0133	-	Further regression CR for LTE/SAE 10w k11 ATS	8.2.0	8.3.0
2010-06	RAN#48	R5s100176	0135	-	Addition of GCF WI 81 EUTRA RRC test case 8.3.1.2	8.2.0	8.3.0
2010-06	RAN#48	R5s100178	0137	-	Addition of GCF WI 81 EUTRA RRC test case 8.2.4.3	8.2.0	8.3.0
2010-06	RAN#48	R5s100180	0138	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.2.11	8.2.0	8.3.0

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2010-06	RAN#48	R5s100182	0139	-	Regression CR for LTEw k11 ATS	8.2.0	8.3.0
2010-06	RAN#48	R5s100183	0134	-	Corrections to EUTRA RLC and PDCP test cases	8.2.0	8.3.0
2010-09	RAN#49	R5-104796	0145	-	Routine maintenance of TS 36.523-3	8.3.0	8.4.0
2010-09	RAN#49	R5-104197	0144	-	Addition of MMI command 'DISABLE EPS CAPABILITY'	8.3.0	8.4.0
2010-09	RAN#49	RP-100826	0146	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	8.3.0	8.4.0
2010-09	-	-	-	-	Updated the lists of approved test cases for FDD and LCR TDD in Annex A to align with TTCN.	8.3.0	8.4.0
2010-09	RAN#49	R5s100198	0175	-	LTE_TDD : Addition of GCF WI 91 EUTRA RRC test case 8.2.3.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100302	0200	-	Regression CR for LTE/SAE iw d_10wk22 ATS	8.3.0	8.4.0
2010-09	RAN#49	R5s100268	0281	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.6.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100298	0206	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.5.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100260	0187	-	LTE_TDD : Addition of GCF WI 91 EUTRA MAC test case 7.1.1.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100300	0205	-	Correction to EPC test case 9.3.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100226	0194	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC test case 7.2.3.5	8.3.0	8.4.0
2010-09	RAN#49	R5s100274	0155	-	Regression CR for LTEw k17 ATS	8.3.0	8.4.0
2010-09	RAN#49	R5s100249	0191	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC test case 7.2.2.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100228	0163	-	LTE_TDD : Addition of GCF WI 91 EUTRA RLC test case 7.2.3.17	8.3.0	8.4.0
2010-09	RAN#49	R5s100293	0279	-	Addition of GCF WI 81 EUTRA DRB test case 12.2.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100224	0195	-	LTE_TDD: Addition of GCF WI 81 EUTRA RLC test case 7.2.3.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100270	0280	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.6.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100266	0152	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.7	8.3.0	8.4.0
2010-09	RAN#49	R5s100295	0207	-	Addition of GCF WI 82 ESM test case 10.2.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100210	0170	-	LTE_TDD : Addition of GCF WI 91 EUTRA MAC test case 7.1.2.7	8.3.0	8.4.0
2010-09	RAN#49	R5s100287	0182	-	Correction to TFT filter identifier and precedence values	8.3.0	8.4.0
2010-09	RAN#49	R5s100222	0164	-	LTE_TDD : Addition of GCF WI 91 EUTRA RLC test case 7.2.3.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100214	0168	-	LTE_TDD : Addition of GCF WI 91 EUTRA RLC test case 7.2.2.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100189	0150	-	Regression CR for LTEw k17 ATS	8.3.0	8.4.0
2010-09	RAN#49	R5s100220	0165	-	LTE_TDD : Addition of GCF WI 91 EUTRA RLC test case 7.2.3.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100272	0157	-	Corrections to EUTRA MAC test case.	8.3.0	8.4.0
2010-09	RAN#49	R5s100187	0149	-	Addition of GCF WI 81 EUTRA RRC test case 8.3.1.5	8.3.0	8.4.0
2010-09	RAN#49	R5s100273	0156	-	Corrections to EUTRA RLC test case 7.2.2.6 and 7.2.2.10	8.3.0	8.4.0
2010-09	RAN#49	R5s100279	0181	-	Regression CR for LTEw k22 ATS	8.3.0	8.4.0
2010-09	RAN#49	R5s100208	0171	-	LTE_TDD : Addition of GCF WI 91 EUTRA MAC test case 7.1.2.5	8.3.0	8.4.0
2010-09	RAN#49	R5s100256	0154	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.21	8.3.0	8.4.0
2010-09	RAN#49	R5s100283	0184	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.1.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100291	0180	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.2.6	8.3.0	8.4.0
2010-09	RAN#49	R5s100301	0204	-	Correction to EUTRA test case 7.1.4.6	8.3.0	8.4.0

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2010-09	RAN#49	R5s100196	0176	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.2.2.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100258	0188	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC test case 7.2.3.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100234	0160	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.3.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100303	0217	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.7.2.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100285	0220	-	LTE_TDD: Addition of GCF WI 92 EUTRA Multi layer test case 13.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100247	0192	-	LTE_TDD: Addition of GCF WI 81 EUTRA PDCP test case 7.3.3.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100238	0158	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.4.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100240	0148	-	Addition of GCF WI 81 EUTRA RRC test case 8.2.4.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100236	0159	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.4.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100262	0186	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.3.5	8.3.0	8.4.0
2010-09	RAN#49	R5s100305	0203	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.5.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100216	0167	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC test case 7.2.2.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100218	0166	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC test case 7.2.2.9	8.3.0	8.4.0
2010-09	RAN#49	R5s100264	0153	-	Addition of GCF WI 81 EUTRA RLC test case 7.2.3.6	8.3.0	8.4.0
2010-09	RAN#49	R5s100281	0185	-	Addition of GCF WI 81 EUTRA Idle Mode test case 6.1.2.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100194	0177	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.2.2.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100190	0179	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100202	0173	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100204	0172	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.2.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100253	0189	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.3.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100251	0190	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC test case 7.2.2.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100245	0193	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.3.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100200	0174	-	LTE_TDD: Addition of GCF WI 81 EUTRA RRC test case 8.5.4.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100288	0183	-	Addition of GCF WI 82 EPC Multi-layer test case 13.2.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100192	0178	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.2.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100230	0162	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC test case 7.2.3.20	8.3.0	8.4.0
2010-09	RAN#49	R5s100242	0147	-	Addition of GCF WI 81 EUTRA RRC test case 8.2.4.5	8.3.0	8.4.0
2010-09	RAN#49	R5s100307	0202	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.5.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100309	0201	-	Addition of GCF WI 81 EUTRA PDCP test case 7.3.5.5	8.3.0	8.4.0
2010-09	RAN#49	R5s100311	0197	-	Addition of GCF WI-081 EUTRA RRC test case 8.1.2.5	8.3.0	8.4.0
2010-09	RAN#49	R5s100313	0199	-	Addition of GCF WI 82 ESM test case 10.5.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100317	0198	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.2.7	8.3.0	8.4.0
2010-09	RAN#49	R5s100319	0196	-	Addition of GCF WI 81 EUTRA RRC test case 8.5.1.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100321	0219	-	Correction to EUTRA MAC 7.1.7.1.x test cases	8.3.0	8.4.0
2010-09	RAN#49	R5s100322	0218	-	Addition of GCF WI 82 EPC test case 9.2.1.1.20	8.3.0	8.4.0
2010-09	RAN#49	R5s100324	0216	-	Addition of GCF WI 81 EUTRA RRC test case 8.5.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100326	0215	-	Addition of GCF WI 82 EPC test case 10.6.1	8.3.0	8.4.0



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2010-09	RAN#49	R5s100329	0211	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.2.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100331	0210	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.2.9	8.3.0	8.4.0
2010-09	RAN#49	R5s100333	0209	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100335	0244	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.7.1.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100337	0243	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.7.1.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100339	0208	-	LTE_TDD: Addition of GCF WI91 EUTRA RLC-UM test case 7.2.2.5.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100341	0212	-	LTE_TDD: Addition of GCF WI91 EUTRA RLC-UM test case 7.2.2.6	8.3.0	8.4.0
2010-09	RAN#49	R5s100343	0213	-	LTE_TDD: Addition of GCF WI91 EUTRA RLC test case 7.2.2.7	8.3.0	8.4.0
2010-09	RAN#49	R5s100345	0242	-	LTE_TDD: Addition of GCF WI91 EUTRA DRB test case 12.2.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100347	0214	-	Correction of GCF WI-081 E-UTRA PDCP test case 7.3.6.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100348	0221	-	Addition of GCF WI-081 E-UTRA RRC test case 8.1.3.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100350	0264	-	Addition of GCF WI-082 EMM test case 9.2.1.1.9	8.3.0	8.4.0
2010-09	RAN#49	R5s100184	0151	-	TTCN Correction to 36.523-3 LTE/SAE NAS definition of LAIList	8.3.0	8.4.0
2010-09	RAN#49	R5s100232	0161	-	LTE_TDD : Addition of GCF WI91 EUTRA PDCP test case 7.3.3.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100352	0263	-	Addition of GCF WI-082 EMM test case 9.2.1.1.10	8.3.0	8.4.0
2010-09	RAN#49	R5s100354	0233	-	Corrections to EUTRA MAC test case 7.1.3.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100356	0232	-	Corrections to EUTRA Idle Mode Testcases 6.1.2.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100358	0241	-	Addition of GCF WI 82 EPC test case 9.2.1.1.14	8.3.0	8.4.0
2010-09	RAN#49	R5s100360	0286	-	Addition of GCF WI 82 ESM test case 10.3.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100362	0285	-	Addition of GCF WI 82 ESM test case 10.7.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100364	0293	-	Addition of GCF WI 82 ESM test case 10.7.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100366	0240	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.3.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100368	0239	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.3.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100370	0238	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.3.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100372	0237	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.3.6	8.3.0	8.4.0
2010-09	RAN#49	R5s100374	0236	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.3.7	8.3.0	8.4.0
2010-09	RAN#49	R5s100376	0235	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100378	0234	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.13	8.3.0	8.4.0
2010-09	RAN#49	R5s100380	0231	-	Corrections to EUTRA EMM Testcases 9.2.1.1.20	8.3.0	8.4.0
2010-09	RAN#49	R5s100381	0227	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.2.6	8.3.0	8.4.0
2010-09	RAN#49	R5s100383	0226	-	LTE_TDD: Addition of GCF WI91 EUTRA RLC test case 7.2.3.18	8.3.0	8.4.0
2010-09	RAN#49	R5s100385	0230	-	Correction to EUTRA DRB test cases 12.2.1, 12.2.2, 12.2.3, 12.2.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100386	0229	-	Correction to GCF WI-081 EUTRA RLC Testcase 7.2.3.10	8.3.0	8.4.0
2010-09	RAN#49	R5s100387	0228	-	Correction to GCF WI-081 EUTRA RLC Testcase 7.2.3.16	8.3.0	8.4.0
2010-09	RAN#49	R5s100388	0224	-	LTE_TDD: Addition of GCF WI91 EUTRA RLC test case 7.2.2.5.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100390	0223	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100392	0225	-	Correction to the function fl_EUTRA_InitPhysicalCellId	8.3.0	8.4.0

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2010-09	RAN#49	R5s100394	0222	-	Addition of GCF WI 82 EPC test case 9.2.3.1.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100398	0262	-	Regression CR for LTEw k26 ATS	8.3.0	8.4.0
2010-09	RAN#49	R5s100400	0300	-	LTE_TDD: Addition of GCF WI 91 EUTRA Idle Mode test case 6.1.2.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100402	0299	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100405	0253	-	LTE_TDD: Corrections to EUTRA RLC test cases regarding subframe offset calculation for TDD	8.3.0	8.4.0
2010-09	RAN#49	R5s100406	0261	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC AM test case 7.2.3.6	8.3.0	8.4.0
2010-09	RAN#49	R5s100212	0169	-	LTE_TDD : Addition of GCF WI 91 EUTRA MAC test case 7.1.4.15	8.3.0	8.4.0
2010-09	RAN#49	R5s100408	0260	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC AM test case 7.2.3.7	8.3.0	8.4.0
2010-09	RAN#49	R5s100412	0259	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC AM test case 7.2.3.8	8.3.0	8.4.0
2010-09	RAN#49	R5s100414	0258	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC AM test case 7.2.3.9	8.3.0	8.4.0
2010-09	RAN#49	R5s100416	0257	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC AM test case 7.2.3.14	8.3.0	8.4.0
2010-09	RAN#49	R5s100418	0256	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC AM test case 7.2.3.15	8.3.0	8.4.0
2010-09	RAN#49	R5s100420	0278	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.4.8	8.3.0	8.4.0
2010-09	RAN#49	R5s100422	0277	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.7.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100424	0275	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC UM test case 7.2.2.8	8.3.0	8.4.0
2010-09	RAN#49	R5s100426	0274	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC AM test case 7.2.3.13	8.3.0	8.4.0
2010-09	RAN#49	R5s100430	0289	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC AM test case 7.2.3.21	8.3.0	8.4.0
2010-09	RAN#49	R5s100432	0273	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.1.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100434	0272	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.6.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100436	0271	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.2.1.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100438	0270	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.3.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100440	0269	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.3.1.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100442	0268	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.5.1.5	8.3.0	8.4.0
2010-09	RAN#49	R5s100444	0267	-	LTE_TDD: Addition of GCF WI 91 EUTRA DRB test case 12.2.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100446	0276	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.7.2.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100457	0255	-	Correction of GCF WI-081 E-UTRA MAC test case 7.1.2.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100458	0254	-	Correction of GCF WI-081 E-UTRA MAC test case 7.1.2.7	8.3.0	8.4.0
2010-09	RAN#49	R5s100459	0250	-	Corrections to GCF WI-081 EUTRA RRC Testcase 8.5.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100461	0249	-	Corrections to GCF WI-082 EUTRA ESM Testcase 10.6.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100462	0252	-	Correction of GCF WI-081 E-UTRA MAC test case 7.1.3.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100463	0251	-	Correction of GCF WI-081 E-UTRA MAC test case 7.1.3.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100464	0288	-	Addition of GCF WI 82 ESM test case 10.4.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100466	0247	-	Regression CR for LTEw k26 ATS	8.3.0	8.4.0
2010-09	RAN#49	R5s100468	0248	-	Corrections to GCF WI-081 EUTRA RLC Testcase 7.2.3.4	8.3.0	8.4.0
2010-09	RAN#49	R5s100469	0265	-	Corrections to GCF WI-081 EUTRA DRB Testcase 12.2.1 and 12.2.2	8.3.0	8.4.0
2010-09	RAN#49	R5s100472	0287	-	LTE_TDD: Addition of GCF WI 91 EUTRA RLC test case 7.2.2.11	8.3.0	8.4.0
2010-09	RAN#49	R5s100475	0266	-	Addition of GCF WI 81 EUTRA Idle Mode test case 6.1.2.6	8.3.0	8.4.0

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2010-09	RAN#49	R5s100477	0298	-	Addition of GCF WI-081 E-UTRA RRC test case 8.2.4.6	8.3.0	8.4.0
2010-09	RAN#49	R5s100479	0246	-	Corrections to GCF WI-082 EUTRA ESM Testcase 10.6.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100485	0245	-	Regression CR for LTE/SAE 10w k26 ATS [Revision of R5s100485]	8.3.0	8.4.0
2010-09	RAN#49	R5s100487	0284	-	Addition of GCF WI 82 EMM test case 9.2.3.1.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100489	0283	-	LTE_TDD: Addition of GCF WI91 EUTRA PDCP test case 7.3.1.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100491	0282	-	Addition of GCF WI-081 E-UTRA RRC test case 8.3.1.8	8.3.0	8.4.0
2010-09	RAN#49	R5s100495	0290	-	Addition of GCF WI-081 E-UTRA RRC test case 8.3.1.3	8.3.0	8.4.0
2010-09	RAN#49	R5s100496	0292	-	Addition of GCF WI 81 EUTRA RRC test case 8.2.4.1	8.3.0	8.4.0
2010-09	RAN#49	R5s100498	0291	-	Addition of GCF WI 81 EUTRA RRC test case 8.2.4.7	8.3.0	8.4.0
2010-09	RAN#49	R5s100500	0297	-	Addition of GCF WI 81 EUTRA IDLE MODE test case 6.1.2.8	8.3.0	8.4.0
2010-09	RAN#49	R5s100503	0295	-	Addition of GCF WI-081 E-UTRA Idle Mode test case 6.1.2.11	8.3.0	8.4.0
2010-09	RAN#49	R5s100505	0294	-	Addition of GCF WI-081 E-UTRA Idle Mode test case 6.1.2.15	8.3.0	8.4.0
2010-09	RAN#49	R5s100507	0296	-	Addition of GCF WI 81 EUTRA IDLE MODE test case 6.1.2.9	8.3.0	8.4.0
2010-12	RAN#50	R5-106578	0301	-	Clarification on cell power change time	8.4.0	8.5.0
2010-12	RAN#50	R5-106675	0302	-	LTE test model updates	8.4.0	8.5.0
2010-12	RAN#50	RP-101151	0303	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	8.4.0	8.5.0
2010-12	RAN#50	R5s100399	0307	-	Corrections to EUTRA RLC test case 7.2.3.2, 7.2.3.5, 7.2.3.18, 7.2.3.10	8.4.0	8.5.0
2010-12	RAN#50	R5s100448	0381	-	LTE_TDD: Addition of GCF WI 91 EUTRA Idle Mode test case 6.1.2.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100450	0380	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.2.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100454	0379	-	LTE_TDD: Addition of GCF WI 92 EUTRA Multi-layer test case 13.2.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100470	0305	-	Addition of GCF WI 82 ESM test case 10.8.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100473	0309	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100493	0306	-	Addition of GCF WI-081 E-UTRA RRC test case 8.3.1.9	8.4.0	8.5.0
2010-12	RAN#50	R5s100513	0304	-	LTE_TDD: Correction to f_EUTRA_SS_ConfigureActiveCell to configure Tcell and sfn offset	8.4.0	8.5.0
2010-12	RAN#50	R5s100515	0320	-	Correction to GCF WI-081 E-UTRA RRC test case 8.2.4.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100516	0319	-	Addition of GCF WI 81 EUTRA RRC test case 8.3.1.10	8.4.0	8.5.0
2010-12	RAN#50	R5s100520	0318	-	Regression CR for LTEw k33 ATS	8.4.0	8.5.0
2010-12	RAN#50	R5s100522	0308	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.11	8.4.0	8.5.0
2010-12	RAN#50	R5s100524	0316	-	Correction to GCF WI-081 E-UTRA RRC test cases 8.2.4.x	8.4.0	8.5.0
2010-12	RAN#50	R5s100525	0317	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.2.8	8.4.0	8.5.0
2010-12	RAN#50	R5s100527	0315	-	Addition of GCF WI 81 EUTRA Idle Mode test case 6.1.2.7	8.4.0	8.5.0
2010-12	RAN#50	R5s100529	0314	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.12	8.4.0	8.5.0
2010-12	RAN#50	R5s100531	0310	-	Correction of GCF WI-081 E-UTRA RLC test case 7.2.3.9	8.4.0	8.5.0
2010-12	RAN#50	R5s100532	0325	-	Corrections to GCF WI-081 EUTRA MAC Testcase 7.1.1.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100533	0313	-	Corrections to GCF WI-081 EUTRA MAC Testcase 7.1.4.10	8.4.0	8.5.0
2010-12	RAN#50	R5s100535	0312	-	Corrections to Usage of Float Values in LTE TTCN ATS	8.4.0	8.5.0
2010-12	RAN#50	R5s100536	0311	-	Correction to GCF WI-082 E-UTRA EMM test case 9.2.3.1.5	8.4.0	8.5.0

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2010-12	RAN#50	R5s100538	0321	-	Regression CR for LTEw k37 ATS	8.4.0	8.5.0
2010-12	RAN#50	R5s100539	0324	-	Correction to GCF WI-081 E-UTRA RRC test cases 8.1.2.7	8.4.0	8.5.0
2010-12	RAN#50	R5s100541	0323	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.3.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100545	0322	-	Addition of GCF WI 82 EMM test case 9.2.1.1.1a	8.4.0	8.5.0
2010-12	RAN#50	R5s100548	0328	-	Correction of GCF WI-081 EUTRA RRC test case 8.2.4.6	8.4.0	8.5.0
2010-12	RAN#50	R5s100549	0327	-	Correction of GCF WI-082 EPC test case 10.7.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100550	0326	-	Correction of GCF WI-082 EPC test case 10.3.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100555	0338	-	Correction to GCF WI-082 EMM test case 9.2.3.1.8	8.4.0	8.5.0
2010-12	RAN#50	R5s100556	0329	-	Regression TTCN CR for IWD D10_w k37 ATS	8.4.0	8.5.0
2010-12	RAN#50	R5s100557	0337	-	Correction to AT commands used in LTE ATS	8.4.0	8.5.0
2010-12	RAN#50	R5s100558	0336	-	Correction of GCF WI-081 EUTRA MAC test case 7.1.4.16	8.4.0	8.5.0
2010-12	RAN#50	R5s100559	0335	-	Correction to L2 test cases to allow HARQ retransmissions	8.4.0	8.5.0
2010-12	RAN#50	R5s100560	0334	-	Correction to GCF WI-081 EUTRA PDCP test cases 7.3.5.x	8.4.0	8.5.0
2010-12	RAN#50	R5s100561	0333	-	Correction to GCF WI-081 EUTRA RRC test case 8.2.4.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100562	0332	-	Correction to GCF WI-081 EUTRA PDCP test case 7.3.5.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100563	0330	-	Correction to GCF WI-081 EUTRA MAC test case 7.1.3.7	8.4.0	8.5.0
2010-12	RAN#50	R5s100564	0331	-	Correction to GCF WI-081 EUTRA RRC test case 8.5.1.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100566	0341	-	Correction to GCF WI-081 EUTRA RLC test case 7.2.3.14	8.4.0	8.5.0
2010-12	RAN#50	R5s100571	0386	-	Correction of GCF WI-081 E-UTRA MAC test case 7.1.4.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100572	0340	-	Correction of GCF WI-081 E-UTRA MAC test case 7.1.2.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100573	0347	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.2.4.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100576	0339	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.2.4.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100579	0343	-	Correction to GCF WI-081 EUTRA PDCP test case 7.3.5.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100580	0342	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.3.1.10	8.4.0	8.5.0
2010-12	RAN#50	R5s100582	0352	-	Addition of GCF WI 82 EMM test case 9.2.1.1.15	8.4.0	8.5.0
2010-12	RAN#50	R5s100584	0351	-	Addition of GCF WI 82 EMM test case 9.2.1.1.17	8.4.0	8.5.0
2010-12	RAN#50	R5s100586	0385	-	Addition of GCF WI 82 EMM SMS test case 11.1.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100588	0384	-	Addition of GCF WI 82 EMM SMS test case 11.1.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100590	0350	-	Addition of GCF WI 81 EUTRA test case 6.1.2.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100592	0349	-	Correction to GCF WI-081 EUTRA MAC Testcase 7.1.3.6	8.4.0	8.5.0
2010-12	RAN#50	R5s100593	0348	-	Correction to GCF WI-081 EUTRA MAC Testcase 7.1.4.13	8.4.0	8.5.0
2010-12	RAN#50	R5s100595	0346	-	Correction to GCF WI-081 EUTRA RLC Testcase 7.2.2.11	8.4.0	8.5.0
2010-12	RAN#50	R5s100597	0345	-	Addition of GCF WI 81 EUTRA RRC test case 9.2.1.1.13	8.4.0	8.5.0
2010-12	RAN#50	R5s100604	0383	-	Addition of GCF WI 82 EMM SMS test case 11.1.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100606	0382	-	Addition of GCF WI 82 EMM SMS test case 11.1.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100608	0344	-	Correction of GCF WI-081 E-UTRA TAU	8.4.0	8.5.0
2010-12	RAN#50	R5s100610	0367	-	Addition of GCF WI 82 EMM test case 9.2.1.1.7	8.4.0	8.5.0

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2010-12	RAN#50	R5s100614	0364	-	LTE_TDD: Addition of GCF WI91 EUTRA Idle Mode test case 6.1.2.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100616	0363	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.2.8	8.4.0	8.5.0
2010-12	RAN#50	R5s100618	0362	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100620	0361	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.6	8.4.0	8.5.0
2010-12	RAN#50	R5s100622	0360	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.7	8.4.0	8.5.0
2010-12	RAN#50	R5s100624	0366	-	Addition of GCF WI82 EMM test case 9.2.3.1.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100626	0359	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.10	8.4.0	8.5.0
2010-12	RAN#50	R5s100628	0358	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.16	8.4.0	8.5.0
2010-12	RAN#50	R5s100632	0357	-	LTE_TDD: Addition of GCF WI91 EUTRA RLC test case 7.2.3.10	8.4.0	8.5.0
2010-12	RAN#50	R5s100634	0356	-	LTE_TDD: Addition of GCF WI91 EUTRA RLC test case 7.2.3.16	8.4.0	8.5.0
2010-12	RAN#50	R5s100636	0355	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.4.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100638	0354	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.5.1.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100640	0365	-	Addition of GCF WI82 EMM test case 9.2.1.2.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100642	0353	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.7.1.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100644	0378	-	LTE_TDD: Addition of GCF WI91 EUTRA Idle Mode test case 6.1.2.6	8.4.0	8.5.0
2010-12	RAN#50	R5s100646	0377	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.1.2.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100648	0376	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.4.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100650	0375	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.4.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100652	0374	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.3.1.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100654	0373	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.3.1.8	8.4.0	8.5.0
2010-12	RAN#50	R5s100656	0372	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.5.1.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100658	0368	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.11	8.4.0	8.5.0
2010-12	RAN#50	R5s100660	0371	-	Addition of GCF WI82 EMM test case 9.2.2.2.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100662	0370	-	Addition of GCF WI82 EMM test case 9.2.1.2.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100664	0369	-	Addition of GCF WI82 EMM test case 9.2.3.2.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100669	0390	-	LTE_TDD: Addition of GCF WI91 EUTRA PDCP test case 7.3.5.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100671	0389	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.4.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100673	0388	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.3.1.9	8.4.0	8.5.0
2010-12	RAN#50	R5s100675	0398	-	Addition of GCF WI81 EUTRA IDLE MODE test case 6.1.1.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100678	0401	-	Addition of GCF WI81 RRC test case 8.3.1.7	8.4.0	8.5.0
2010-12	RAN#50	R5s100680	0400	-	Addition of GCF WI81 EUTRA RRC test case 8.1.2.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100682	0399	-	Addition of GCF WI81 EUTRA RRC test case 8.1.1.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100688	0397	-	Addition of GCF WI82 EMM test case 9.2.1.1.21	8.4.0	8.5.0
2010-12	RAN#50	R5s100690	0396	-	Addition of GCF WI84 EMM test case 9.2.1.1.22	8.4.0	8.5.0
2010-12	RAN#50	R5s100692	0402	-	Regression CR for LTE w k42 ATS	8.4.0	8.5.0
2010-12	RAN#50	R5s100693	0393	-	Addition of GCF WI82 ESM test case 10.8.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100695	0392	-	Addition of GCF WI82 ESM test case 10.8.3	8.4.0	8.5.0

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2010-12	RAN#50	R5s100697	0391	-	Addition of GCF WI 82 EMM test case 9.3.1.17	8.4.0	8.5.0
2010-12	RAN#50	R5s100699	0395	-	Addition of GCF WI 82 EUTRA DRB test case 12.2.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100701	0394	-	Addition of GCF WI 82 EMM test case 9.2.1.1.19	8.4.0	8.5.0
2010-12	RAN#50	R5s100703	0387	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.1.6	8.4.0	8.5.0
2010-12	RAN#50	R5s100705	0408	-	Addition of GCF Priority 3 E-UTRA RRC test case 8.2.1.7	8.4.0	8.5.0
2010-12	RAN#50	R5s100707	0407	-	Addition of GCF Priority 3 E-UTRA RRC test case 8.5.1.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100709	0406	-	Correction of GCF WI-081 Test Case 7.1.4.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100712	0405	-	Addition of GCF WI 82 ESM test case 10.7.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100714	0404	-	Addition of GCF WI 81 EUTRA RRC test case 8.2.4.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100720	0403	-	Addition of GCF WI 82 Multilayer test case 13.3.1.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100722	0409	-	Addition of GCF WI 82 EMM test case 9.2.1.1.23	8.4.0	8.5.0
2010-12	RAN#50	R5s100724	0414	-	Correction to IP address allocation and ESM cause for condition IPv4viaNAS_TestMode	8.4.0	8.5.0
2010-12	RAN#50	R5s100725	0413	-	Correction of the q-RxLevMin value in the sib5 interFreqCarrierFreqList	8.4.0	8.5.0
2010-12	RAN#50	R5s100726	0411	-	LTE_TDD: Resubmission of GCF WI 91 EUTRA RLC test case 7.2.2.10	8.4.0	8.5.0
2010-12	RAN#50	R5s100728	0412	-	Addition of GCF WI 82 EMM test case 9.3.1.16	8.4.0	8.5.0
2010-12	RAN#50	R5s100730	0410	-	Addition of GCF WI 82 EMM test case 9.2.2.1.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100732	0422	-	LTE_TDD: Addition of GCF WI 91 EUTRA Idle mode test case 6.1.2.11	8.4.0	8.5.0
2010-12	RAN#50	R5s100734	0421	-	LTE_TDD: Addition of GCF WI 91 EUTRA Idle mode test case 6.1.2.8	8.4.0	8.5.0
2010-12	RAN#50	R5s100738	0419	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.3.1.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100740	0418	-	LTE_TDD: Addition of GCF WI 93 EUTRA RRC test case 8.3.1.7	8.4.0	8.5.0
2010-12	RAN#50	R5s100742	0417	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.5.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100744	0416	-	Addition of GCF WI 82 Multilayer test case 13.3.1.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100746	0415	-	Addition of GCF WI 82 ESM test case 10.7.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100748	0423	-	Addition of GCF P3 E-UTRA ESM test case 10.5.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100750	0424	-	Addition of GCF P3 E-UTRA EMM test case 9.2.3.1.13	8.4.0	8.5.0
2010-12	RAN#50	R5s100754	0425	-	Correction of GCF WI-081 EPC test case 9.1.2.5	8.4.0	8.5.0
2010-12	RAN#50	R5s100755	0426	-	Correction of GCF WI-081 EMM test case 9.2.3.1.5 and 9.2.3.1.8	8.4.0	8.5.0
2010-12	RAN#50	R5s100758	0434	-	Addition of GCF WI-82 P3 E-UTRA EMM test case 9.2.3.1.14	8.4.0	8.5.0
2010-12	RAN#50	R5s100760	0432	-	Correction of GCF WI-081 EPC test case 12.2.1 and 12.2.2	8.4.0	8.5.0
2010-12	RAN#50	R5s100761	0433	-	Correction of GCF WI-081 ESM test case 10.6.1, 10.4.1, 10.5.1, 10.5.3	8.4.0	8.5.0
2010-12	RAN#50	R5s100766	0431	-	Correction to GCF WI 81 EUTRA IDLE MODE test case 6.1.2.9	8.4.0	8.5.0
2010-12	RAN#50	R5s100767	0430	-	Correction to GCF WI 81 EUTRA MAC test case 7.1.4.1	8.4.0	8.5.0
2010-12	RAN#50	R5s100768	0429	-	Correction to GCF WI 82 EPC SMS test cases 11.1.3 and 11.1.4	8.4.0	8.5.0
2010-12	RAN#50	R5s100769	0428	-	Correction to GCF WI 81 EUTRA MAC test case 7.1.2.8	8.4.0	8.5.0
2010-12	RAN#50	R5s100784	0427	-	Addition of GCF WI 82 EMM test case 9.2.1.1.16	8.4.0	8.5.0
2010-12	RAN#50	R5s100787	0420	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.1.6	8.4.0	8.5.0
2011-03	RAN#51	RP-110170	0436	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	8.5.0	8.6.0

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2011-03	RAN#51	R5-110803	0435	-	Routine maintenance of LTE test model and postambles	8.5.0	8.6.0
2011-03	RAN#51	R5s100751	0470	-	Addition of GCF WI-081 EUTRA RRC Inter RAT test case 8.3.2.3	8.5.0	8.6.0
2011-03	RAN#51	R5s100772	0456	-	Correction to GCF WI 81 EUTRA MAC test case 7.1.4.12	8.5.0	8.6.0
2011-03	RAN#51	R5s100773	0455	-	Correction to GCF WI 82 EPC SMS test cases 11.1.1, 11.1.2, 11.1.3, 11.1.4	8.5.0	8.6.0
2011-03	RAN#51	R5s100774	0513	-	LTE_TDD: Addition of GCF WI91 EUTRA Idle mode test case 6.1.2.15	8.5.0	8.6.0
2011-03	RAN#51	R5s100776	0512	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.4.3	8.5.0	8.6.0
2011-03	RAN#51	R5s100778	0511	-	LTE_TDD: Addition of GCF WI91 EUTRA PDCP test case 7.3.5.3	8.5.0	8.6.0
2011-03	RAN#51	R5s100780	0485	-	Addition of GCF WI 82 EMM test case 9.2.2.2.14	8.5.0	8.6.0
2011-03	RAN#51	R5s100782	0510	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.1.7	8.5.0	8.6.0
2011-03	RAN#51	R5s100789	0509	-	Addition of GCF P3 E-UTRA EMM test case 9.1.2.6	8.5.0	8.6.0
2011-03	RAN#51	R5s100792	0508	-	Correction to EMM test cases 9.2.1.1.14, 9.2.3.1.2 and 10.4.1	8.5.0	8.6.0
2011-03	RAN#51	R5s100793	0507	-	Addition of GCF P3 E-UTRA EMM test case 9.2.2.1.7	8.5.0	8.6.0
2011-03	RAN#51	R5s100795	0506	-	Addition of GCF P3 E-UTRA EMM test case 9.2.3.1.9a	8.5.0	8.6.0
2011-03	RAN#51	R5s100799	0505	-	Correction of GCF WI 82 ESM test case 10.4.1	8.5.0	8.6.0
2011-03	RAN#51	R5s100800	0517	-	Correction to GCF WI-082 ESM test case 10.4.1	8.5.0	8.6.0
2011-03	RAN#51	R5s100801	0469	-	Correction to GCF WI-081 PDCP / RRC intra-LTE intercell HO test cases	8.5.0	8.6.0
2011-03	RAN#51	R5s100802	0516	-	Correction to GCF WI-081 EUTRA PDCP test case 7.3.1.3	8.5.0	8.6.0
2011-03	RAN#51	R5s100803	0502	-	Regression CR for LTE WK42 ATS	8.5.0	8.6.0
2011-03	RAN#51	R5s100811	0515	-	Addition of GCF P3 E-UTRA EMM test case 9.2.1.1.25	8.5.0	8.6.0
2011-03	RAN#51	R5s100812	0468	-	Correction to GCF WI 82 EMM test case 9.2.1.2.1	8.5.0	8.6.0
2011-03	RAN#51	R5s100813	0467	-	Correction to GCF WI 82 EMM test case 9.2.2.2.2	8.5.0	8.6.0
2011-03	RAN#51	R5s100815	0514	-	Addition of GCF P3 E-UTRA EMM test case 9.2.1.1.26	8.5.0	8.6.0
2011-03	RAN#51	R5s100817	0466	-	Addition of GCF WI 82 EMM test case 9.2.3.1.28	8.5.0	8.6.0
2011-03	RAN#51	R5s100819	0465	-	Addition of GCF WI-082 EMM test case 9.2.3.1.27	8.5.0	8.6.0
2011-03	RAN#51	R5s100821	0464	-	LTE_TDD: Addition of GCF WI91 EUTRA MAC test case 7.1.2.4	8.5.0	8.6.0
2011-03	RAN#51	R5s100825	0463	-	LTE_TDD: Addition of GCF WI91 EUTRA Idle mode test case 6.1.2.7	8.5.0	8.6.0
2011-03	RAN#51	R5s100827	0458	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.2.2	8.5.0	8.6.0
2011-03	RAN#51	R5s100829	0457	-	LTE_TDD: Addition of GCF WI91 EUTRA Idle Mode test case 6.1.2.9	8.5.0	8.6.0
2011-03	RAN#51	R5s100831	0462	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.1.3.4	8.5.0	8.6.0
2011-03	RAN#51	R5s100833	0461	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.1.3.5	8.5.0	8.6.0
2011-03	RAN#51	R5s100835	0454	-	LTE_TDD: Addition of GCF WI91 EUTRA Idle Mode test case 6.1.1.1	8.5.0	8.6.0
2011-03	RAN#51	R5s100837	0460	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.4.6	8.5.0	8.6.0
2011-03	RAN#51	R5s100839	0459	-	LTE_TDD: Addition of GCF WI91 EUTRA DRB test case 12.2.3	8.5.0	8.6.0
2011-03	RAN#51	R5s100848	0484	-	Addition of GCF WI 81 LTE- C2K test case 8.3.2.7	8.5.0	8.6.0
2011-03	RAN#51	R5s100850	0478	-	Addition of GCF WI 81 RRC test case 8.3.3.1	8.5.0	8.6.0
2011-03	RAN#51	R5s100852	0453	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.9	8.5.0	8.6.0
2011-03	RAN#51	R5s100854	0452	-	Addition of GCF WI 82 Multilayer test case 13.4.1.2	8.5.0	8.6.0

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2011-03	RAN#51	R5s100856	0437	-	Addition of GCF WI-82 EMM test case 9.2.3.1.23	8.5.0	8.6.0
2011-03	RAN#51	R5s100858	0451	-	Addition of GCF WI-82 EMM test case 9.2.3.1.19	8.5.0	8.6.0
2011-03	RAN#51	R5s100860	0450	-	Correction to GCF WI 82 EMM test cases 9.2.1.1.21 and 9.2.1.1.22	8.5.0	8.6.0
2011-03	RAN#51	R5s100863	0449	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.4.12	8.5.0	8.6.0
2011-03	RAN#51	R5s100865	0448	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.2.2	8.5.0	8.6.0
2011-03	RAN#51	R5s100867	0447	-	LTE_TDD: Addition of GCF WI 92 Multilayer test case 13.3.1.1	8.5.0	8.6.0
2011-03	RAN#51	R5s100869	0446	-	LTE_TDD: Addition of GCF WI 92 Multilayer test case 13.4.1.2	8.5.0	8.6.0
2011-03	RAN#51	R5s100871	0473	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.3.6	8.5.0	8.6.0
2011-03	RAN#51	R5s100873	0474	-	Addition of GCF WI 81 EUTRA Idlemode test case 6.2.3.5	8.5.0	8.6.0
2011-03	RAN#51	R5s100876	0445	-	Correction to GCF WI 82 EMM test case 9.2.3.1.14	8.5.0	8.6.0
2011-03	RAN#51	R5s100877	0444	-	Addition of GCF WI 82 EMM test case 9.2.2.1.8	8.5.0	8.6.0
2011-03	RAN#51	R5s100879	0477	-	Addition of GCF WI 81 EUTRA test case 8.3.1.11	8.5.0	8.6.0
2011-03	RAN#51	R5s100881	0443	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.3.9	8.5.0	8.6.0
2011-03	RAN#51	R5s100883	0476	-	Addition of GCF WI 82 EMM test case 9.2.2.1.9	8.5.0	8.6.0
2011-03	RAN#51	R5s110001	0442	-	Correction to GCF WI 81 EUTRA RRC test case 8.1.2.3	8.5.0	8.6.0
2011-03	RAN#51	R5s110002	0440	-	Correction to GCF WI 82 ESM test case 10.8.2	8.5.0	8.6.0
2011-03	RAN#51	R5s110003	0441	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.2.3	8.5.0	8.6.0
2011-03	RAN#51	R5s110005	0439	-	Correction to GCF WI 81 EUTRA RRC test case 8.3.1.7	8.5.0	8.6.0
2011-03	RAN#51	R5s110006	0438	-	Correction to GCF WI 82 EMM test case 9.1.2.6	8.5.0	8.6.0
2011-03	RAN#51	R5s110007	0475	-	Correction to EMM test cases	8.5.0	8.6.0
2011-03	RAN#51	R5s110008	0472	-	Regression CR for iw-d-EUTRA-B2009-12_D10w k49 ATS	8.5.0	8.6.0
2011-03	RAN#51	R5s110009	0471	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.5.1.2	8.5.0	8.6.0
2011-03	RAN#51	R5s110011	0483	-	Correction to GCF WI-082 ESM test cases 10.4.1 and 10.5.1 (( IP address assignment for second PDN)	8.5.0	8.6.0
2011-03	RAN#51	R5s110012	0482	-	Correction to GCF WI-081 MAC test case 7.2.3.10	8.5.0	8.6.0
2011-03	RAN#51	R5s110013	0481	-	Correction to GCF WI-081 EUTRA MAC test cases 7.1.7.x	8.5.0	8.6.0
2011-03	RAN#51	R5s110014	0480	-	Addition of GCF WI-081 EUTRA Idle Mode test case 6.2.2.1	8.5.0	8.6.0
2011-03	RAN#51	R5s110016	0479	-	Correction of RV values used in Dci1C scheduling for SI (BCCH)	8.5.0	8.6.0
2011-03	RAN#51	R5s110019	0492	-	Regression CR for LTE WK49 ATS	8.5.0	8.6.0
2011-03	RAN#51	R5s110020	0493	-	Addition of GCF WI 81 EUTRA test case 8.3.1.4	8.5.0	8.6.0
2011-03	RAN#51	R5s110024	0490	-	Addition of GCF WI 82 EMM test case 9.2.3.1.16	8.5.0	8.6.0
2011-03	RAN#51	R5s110026	0491	-	Addition of GCF WI 82 EMM test case 9.2.1.1.24	8.5.0	8.6.0
2011-03	RAN#51	R5s110028	0489	-	Addition of GCF WI 82 EMM test case 9.2.3.1.25	8.5.0	8.6.0
2011-03	RAN#51	R5s110030	0488	-	Correction to GCF WI 81 EUTRA RLC test case 7.2.3.21	8.5.0	8.6.0
2011-03	RAN#51	R5s110031	0501	-	Addition of GCF WI 81 EUTRA Idle Mode test case 6.2.3.3	8.5.0	8.6.0
2011-03	RAN#51	R5s110033	0487	-	Correction to GCF WI 81 EUTRA PDCP test case 7.3.5.2	8.5.0	8.6.0
2011-03	RAN#51	R5s110034	0486	-	Correction to use of DCI combination 1 (5 MHz) w ith 9 PRBs	8.5.0	8.6.0
2011-03	RAN#51	R5s110035	0499	-	Correction of NAS type definition in TS 36.523-3	8.5.0	8.6.0



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2011-03	RAN#51	R5s110036	0498	-	Correction to GCF WI 81 EUTRA MAC test case 7.1.4.6	8.5.0	8.6.0
2011-03	RAN#51	R5s110037	0497	-	Correction to GCF WI 81 EUTRA RRC test case 8.3.2.3	8.5.0	8.6.0
2011-03	RAN#51	R5s110038	0496	-	Addition of GCF WI 82 EMM test case 9.3.2.2	8.5.0	8.6.0
2011-03	RAN#51	R5s110040	0495	-	Addition of GCF WI 82 EMM test case 9.3.2.2a	8.5.0	8.6.0
2011-03	RAN#51	R5s110042	0494	-	Addition of GCF WI 81 EUTRA IDLE MODE test case 6.1.2.13	8.5.0	8.6.0
2011-03	RAN#51	R5s110046	0500	-	Correction of TTCN for EMM inter-RAT / inter-frequency test cases	8.5.0	8.6.0
2011-03	RAN#51	R5s110051	0504	-	Correction to GCF WI-082 E-UTRA test case 13.3.1.1	8.5.0	8.6.0
2011-03	RAN#51	R5s110052	0520	-	Correction to GCF WI-082 E-UTRA test case 9.2.3.1.8	8.5.0	8.6.0
2011-03	RAN#51	R5s110054	0519	-	Correction to GCF WI-082 E-UTRA ESM test cases 10.8.1 and 10.8.3	8.5.0	8.6.0
2011-03	RAN#51	R5s110055	0518	-	Correction to GCF WI-082 E-UTRA ESM test case 10.4.1	8.5.0	8.6.0
2011-03	RAN#51	R5s110057	0503	-	Correction to GCF WI-081 MAC test case 7.1.2.6	8.5.0	8.6.0
2011-03	RAN#51	R5s110060	0523	-	Correction to GCF WI-081 E-UTRA MAC Testcase 7.1.2.9	8.5.0	8.6.0
2011-03	RAN#51	R5s110061	0521	-	Correction to GCF WI 81 EUTRA Idle Mode test case 6.2.3.3	8.5.0	8.6.0
2011-03	RAN#51	R5s110062	0522	-	Correction to GCF WI 81 EUTRA Idle Mode test case 6.2.3.5	8.5.0	8.6.0
2011-03	RAN#51	R5s110064	0525	-	Correction to GCF WI 82 SMS test cases	8.5.0	8.6.0
2011-03	RAN#51	R5s110068	0529	-	Addition of GCF WI 82 EMM test case 9.2.3.1.26	8.5.0	8.6.0
2011-03	RAN#51	R5s110070	0528	-	Correction to GCF WI 82 EMM test case 9.2.1.1.24	8.5.0	8.6.0
2011-03	RAN#51	R5s110073	0527	-	Addition of GCF WI 81 RRC test case 8.2.4.9	8.5.0	8.6.0
2011-03	RAN#51	R5s110075	0526	-	Addition of GCF WI 82 EMM test case 9.2.2.1.3	8.5.0	8.6.0
2011-03	RAN#51	R5s110077	0524	-	Correction to GCF WI-081 MAC test case 7.1.4.4	8.5.0	8.6.0
2011-03	RAN#51	R5s110078	0533	-	Correction to GCF WI-082 NAS common module	8.5.0	8.6.0
2011-03	RAN#51	R5s110084	0531	-	Correction to GCF WI-082 E-UTRA EMM Testcase 9.2.2.1.9	8.5.0	8.6.0
2011-03	RAN#51	R5s110085	0530	-	Correction to GCF WI-081 E-UTRA MAC Testcase 7.1.4.13	8.5.0	8.6.0
2011-03	RAN#51	R5s110086	0532	-	Correction to GCF WI 82 ESM test case 10.4.1	8.5.0	8.6.0
2011-06	RAN#52	RP-110656	0536	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	8.6.0	9.0.0
2011-06	RAN#52	R5-112665	0535	-	Routine maintenance of LTE test model and postambles	8.6.0	9.0.0
2011-06	RAN#52	R5s110081	0564	-	Addition of GCF WI-081 EUTRA RRC Inter RAT test case 8.1.3.8	8.6.0	9.0.0
2011-06	RAN#52	R5s110087	0582	-	Addition of GCF WI 81 EUTRA idle mode test case 6.2.2.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110089	0545	-	Addition of GCF WI 81 RRC test case 8.1.1.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110091	0544	-	Correction to GCF WI-082 test case 11.1.3 and 11.1.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110092	0543	-	Correction to GCF WI-081 EUTRA PDCP test cases 7.3.4.1 and 7.3.4.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110094	0542	-	Resubmission of GCF WI 82 EMM test case 9.2.1.2.10	8.6.0	9.0.0
2011-06	RAN#52	R5s110096	0541	-	Correction to EUTRA MAC test case 7.1.4.3	8.6.0	9.0.0
2011-06	RAN#52	R5s110097	0540	-	Correction to EUTRA MAC test case 7.1.2.6	8.6.0	9.0.0
2011-06	RAN#52	R5s110098	0539	-	Correction to EUTRA RRC test case 8.2.4.7	8.6.0	9.0.0
2011-06	RAN#52	R5s110099	0538	-	Addition of GCF WI 82 EUTRA EMM test case 9.3.1.15	8.6.0	9.0.0
2011-06	RAN#52	R5s110101	0537	-	Correction to GCF WI 82 ESM test cases 10.7.2 & 10.8.1	8.6.0	9.0.0

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2011-06	RAN#52	R5s110109	0563	-	Addition of GCF WI 82 EUTRA EMM test case 9.3.1.3	8.6.0	9.0.0
2011-06	RAN#52	R5s110112	0562	-	Correction to GCF WI-081 EUTRA <> UTRAN test cases 8.3.2.3, 8.1.3.6, 6.2.3.3, 6.2.3.5.	8.6.0	9.0.0
2011-06	RAN#52	R5s110114	0561	-	Correction to GCF WI-082 EMM test case 9.2.3.1.23	8.6.0	9.0.0
2011-06	RAN#52	R5s110115	0560	-	Correction to GCF WI-081 E-UTRA MAC test case 7.1.2.9	8.6.0	9.0.0
2011-06	RAN#52	R5s110116	0559	-	Correction to GCF WI-082 E-UTRA EMM test case 9.2.1.1.24	8.6.0	9.0.0
2011-06	RAN#52	R5s110117	0558	-	Correction to GCF WI-081 PDCP test cases 7.3.4.1 and 7.3.4.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110118	0557	-	Correction to EMM test cases 9.2.1.1.1 and 9.2.1.1.20	8.6.0	9.0.0
2011-06	RAN#52	R5s110120	0555	-	Correction to GCF WI-081 EUTRA MAC test case 7.1.4.11	8.6.0	9.0.0
2011-06	RAN#52	R5s110121	0556	-	Correction to GCF WI-081 EUTRA PDCP test case 7.3.5.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110122	0554	-	Correction to previously accepted R5s110034 (( DCI combi 1 / 5 MHz / with 9 PRBs)	8.6.0	9.0.0
2011-06	RAN#52	R5s110123	0586	-	Addition of GCF WI 81 EUTRA RRC test case 8.5.2.1	8.6.0	9.0.0
2011-06	RAN#52	R5s110125	0553	-	Correction EUTRA and EMM test cases	8.6.0	9.0.0
2011-06	RAN#52	R5s110127	0552	-	Addition of GCF WI 81 EUTRA idle mode test case 6.2.3.6	8.6.0	9.0.0
2011-06	RAN#52	R5s110129	0551	-	Addition of GCF WI 82 EMM test case 9.2.1.2.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110131	0550	-	Addition of GCF WI 82 EMM test case 9.2.1.2.11	8.6.0	9.0.0
2011-06	RAN#52	R5s110133	0548	-	Addition of GCF WI 82 EMM test case 9.2.3.1.10	8.6.0	9.0.0
2011-06	RAN#52	R5s110135	0547	-	Addition of GCF WI 82 EMM test case 9.2.3.1.11	8.6.0	9.0.0
2011-06	RAN#52	R5s110137	0546	-	Addition of GCF WI 82 EMM test case 9.2.3.1.12	8.6.0	9.0.0
2011-06	RAN#52	R5s110139	0549	-	Correction to EMM test cases	8.6.0	9.0.0
2011-06	RAN#52	R5s110140	0579	-	Addition of GCF WI 82 EMM test case 9.2.3.1.15	8.6.0	9.0.0
2011-06	RAN#52	R5s110142	0581	-	Correction to GCF WI-082 EMM test case 9.1.3.1	8.6.0	9.0.0
2011-06	RAN#52	R5s110143	0578	-	Addition of GCF WI 82 EUTRA EMM test case 9.2.1.2.3	8.6.0	9.0.0
2011-06	RAN#52	R5s110145	0577	-	Addition of GCF WI 82 EUTRA EMM test case 9.2.3.2.3	8.6.0	9.0.0
2011-06	RAN#52	R5s110147	0580	-	Correction to GCF WI-081 EUTRA MAC test case 7.1.4.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110149	0575	-	Correction to EUTRA SS security configuration steps	8.6.0	9.0.0
2011-06	RAN#52	R5s110150	0576	-	Correction to EMM test case 9.2.3.1.14	8.6.0	9.0.0
2011-06	RAN#52	R5s110151	0574	-	Addition of GCF WI 82 EMM test case 9.2.1.1.12	8.6.0	9.0.0
2011-06	RAN#52	R5s110153	0573	-	Correction to GCF WI-081 IDLE MODE test case 6.1.1.1	8.6.0	9.0.0
2011-06	RAN#52	R5s110154	0571	-	Correction to EUTRA_AspCommon_Templates.ttcn	8.6.0	9.0.0
2011-06	RAN#52	R5s110155	0572	-	Addition of GCF WI 82 EMM test case 9.2.3.3.6	8.6.0	9.0.0
2011-06	RAN#52	R5s110157	0570	-	Correction to EMM test case 9.2.1.1.26	8.6.0	9.0.0
2011-06	RAN#52	R5s110158	0569	-	Addition of GCF WI 82 EMM test case 9.2.1.2.13	8.6.0	9.0.0
2011-06	RAN#52	R5s110160	0568	-	LTE_TDD: Addition of GCF WI 91 EUTRA Idle mode test case 6.1.2.13	8.6.0	9.0.0
2011-06	RAN#52	R5s110162	0567	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.3.1.10	8.6.0	9.0.0
2011-06	RAN#52	R5s110164	0566	-	LTE_TDD: Addition of GCF WI 92 EUTRA Multi-Layer test case 13.3.1.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110166	0565	-	Addition of GCF WI 81 EUTRA Idle mode test case 6.3.6	8.6.0	9.0.0
2011-06	RAN#52	R5s110168	0620	-	Regression CR for LTEw k11 ATS	8.6.0	9.0.0

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2011-06	RAN#52	R5s110170	0585	-	Correction to EMM test case 9.2.3.1.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110171	0618	-	Regression CR for LTE w k11 ATS	8.6.0	9.0.0
2011-06	RAN#52	R5s110172	0584	-	Correction to EMM test case 9.2.3.1.5	8.6.0	9.0.0
2011-06	RAN#52	R5s110173	0619	-	Correction to EUTRA MAC test cases 7.1.6.1 and 7.1.6.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110174	0583	-	Correction to the use of Grant Allocation Type 2 in LTE w k11 ATS	8.6.0	9.0.0
2011-06	RAN#52	R5s110176	0615	-	Baseline upgrade of E-UTRA ATS to March-11 in Rel-9	8.6.0	9.0.0
2011-06	RAN#52	R5s110177	0608	-	Addition of GCF WI 82 EMM test case 9.3.1.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110179	0607	-	Addition of GCF WI 82 EMM test case 9.3.1.5	8.6.0	9.0.0
2011-06	RAN#52	R5s110181	0606	-	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.5.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110183	0605	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.2.7	8.6.0	9.0.0
2011-06	RAN#52	R5s110185	0604	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.2.4.7	8.6.0	9.0.0
2011-06	RAN#52	R5s110187	0603	-	Addition of GCF WI 82 EMM test case 9.2.1.2.5	8.6.0	9.0.0
2011-06	RAN#52	R5s110189	0602	-	Addition of GCF WI 82 EMM test case 9.2.1.2.7	8.6.0	9.0.0
2011-06	RAN#52	R5s110192	0601	-	Addition of GCF WI 82 EMM test case 9.2.1.2.6	8.6.0	9.0.0
2011-06	RAN#52	R5s110194	0598	-	Addition of GCF WI 82 EMM test case 9.2.1.2.8	8.6.0	9.0.0
2011-06	RAN#52	R5s110196	0600	-	Correction to EUTRA RRC test case 8.2.4.7	8.6.0	9.0.0
2011-06	RAN#52	R5s110197	0599	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.1.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110199	0626	-	Addition of GCF WI 82 EMM test case 9.2.1.2.15	8.6.0	9.0.0
2011-06	RAN#52	R5s110201	0596	-	Correction to EUTRA test cases 7.1.3.9, 7.2.3.6, 7.2.3.18	8.6.0	9.0.0
2011-06	RAN#52	R5s110202	0597	-	Addition of GCF WI 82 EMM test case 9.2.3.2.9	8.6.0	9.0.0
2011-06	RAN#52	R5s110204	0595	-	Addition of GCF WI 82 EMM test case 9.2.1.2.9	8.6.0	9.0.0
2011-06	RAN#52	R5s110206	0594	-	Correction to EMM SMS test cases 11.1.3 and 11.1.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110207	0593	-	Correction of GCF WI 81 RLC test case 7.2.2.11	8.6.0	9.0.0
2011-06	RAN#52	R5s110208	0591	-	Correction to ESM test case 10.7.3	8.6.0	9.0.0
2011-06	RAN#52	R5s110209	0590	-	Correction to EMM test cases 9.2.1.2.1 and 9.2.2.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110210	0592	-	Addition of GCF WI 81 EUTRA Idle Mode test case 6.2.3.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110212	0589	-	Correction to EMM test case 9.1.2.6	8.6.0	9.0.0
2011-06	RAN#52	R5s110213	0588	-	Correction to TFT templates	8.6.0	9.0.0
2011-06	RAN#52	R5s110214	0587	-	Correction to EMM test case 9.2.1.1.1a	8.6.0	9.0.0
2011-06	RAN#52	R5s110215	0611	-	Corrections to LTE / WCDMA InterRAT test cases	8.6.0	9.0.0
2011-06	RAN#52	R5s110216	0624	-	Addition of GCF WI-081 EUTRA RRC test case 8.4.1.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110218	0610	-	Correction to GCF WI-082 EMM test case 9.1.3.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110219	0609	-	Correction to EUTRA and EMM test cases	8.6.0	9.0.0
2011-06	RAN#52	R5s110222	0617	-	Corrections to GCF WI-081 RLC test case 7.2.3.6	8.6.0	9.0.0
2011-06	RAN#52	R5s110223	0616	-	Correction of GCF WI81 MAC test case 7.1.2.9	8.6.0	9.0.0
2011-06	RAN#52	R5s110226	0614	-	Correction to EUTRA MAC test case 7.1.4.3	8.6.0	9.0.0
2011-06	RAN#52	R5s110227	0613	-	Correction to EMM test case 9.2.2.1.2	8.6.0	9.0.0

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2011-06	RAN#52	R5s110228	0612	-	Correction to EMM test cases 9.4.1, 9.4.2, 9.4.3, 9.4.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110230	0623	-	Correction to GCF WI-082 EMM test cases 9.3.1.7 and 9.3.1.7a	8.6.0	9.0.0
2011-06	RAN#52	R5s110232	0622	-	Correction to EMM MRAT test cases	8.6.0	9.0.0
2011-06	RAN#52	R5s110233	0621	-	Correction of type record VoiceDomainPref	8.6.0	9.0.0
2011-06	RAN#52	R5s110234	0625	-	Correction to EMM test case 9.2.1.1.19	8.6.0	9.0.0
2011-06	RAN#52	R5s110235	0630	-	Correction of UL EARFCN for FDD Band 19	8.6.0	9.0.0
2011-06	RAN#52	R5s110236	0629	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.5.2	8.6.0	9.0.0
2011-06	RAN#52	R5s110238	0628	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.5.4	8.6.0	9.0.0
2011-06	RAN#52	R5s110242	0627	-	Correction to LTE ATS	8.6.0	9.0.0
2011-06	RAN#52	R5s110243	0631	-	Correction to GCF WI-081 MAC test case 7.2.3.10	8.6.0	9.0.0
2011-06	RAN#52	R5s110244	0632	-	Correction to EUTRA/EMM test cases	8.6.0	9.0.0
2011-06	-	-	-	-	Correction in history table: removal of R5-112253.	9.0.0	9.0.1
2011-09	RAN#53	RP-111161	0634	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	9.0.1	9.1.0
2011-09	RAN#53	R5-113734	0633	-	Routine maintenance and updates	9.0.1	9.1.0
2011-09	RAN#53	R5s110245	0642	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.2.8	9.0.1	9.1.0
2011-09	RAN#53	R5s110247	0643	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.2.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110249	0644	-	Addition of GCF WI 81 EUTRA RRC test case 8.5.1.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110251	0646	-	Addition of GCF WI 82 EMM test case 9.2.3.2.15	9.0.1	9.1.0
2011-09	RAN#53	R5s110253	0650	-	Addition of GCF WI 82 EMM test case 9.2.3.2.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110255	0649	-	Addition of GCF WI 82 EMM test case 9.2.3.2.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110257	0648	-	Addition of GCF WI 82 EMM test case 9.2.3.2.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110259	0645	-	Addition of GCF WI 82 EMM test case 9.2.3.2.10	9.0.1	9.1.0
2011-09	RAN#53	R5s110261	0647	-	Addition of GCF WI 82 EMM test case 9.2.3.2.12	9.0.1	9.1.0
2011-09	RAN#53	R5s110263	0640	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.1.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110265	0641	-	Addition of GCF WI 82 EMM test case 9.2.3.2.8	9.0.1	9.1.0
2011-09	RAN#53	R5s110267	0672	-	Addition of GCF WI 82 EMM test case 9.2.3.2.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110269	0639	-	Addition of GCF WI 86 EUTRA EMM test case 9.2.3.2.11	9.0.1	9.1.0
2011-09	RAN#53	R5s110271	0671	-	Addition of GCF WI 82 EMM test case 9.2.3.2.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110273	0638	-	Addition of GCF WI 81 EUTRA RRC test case 8.2.4.8	9.0.1	9.1.0
2011-09	RAN#53	R5s110275	0637	-	Correction to the ESM test case 10.4.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110276	0636	-	Addition of GCF WI 81 EUTRA Idle mode test case 6.2.2.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110278	0670	-	Miscellaneous corrections to inter-RAT LTE-UTRAN ATS	9.0.1	9.1.0
2011-09	RAN#53	R5s110279	0669	-	Regression CR for LTEw k15 ATS	9.0.1	9.1.0
2011-09	RAN#53	R5s110282	0635	-	Correction of GCF WI 81 EUTRA EMM test case 9.2.3.1.25	9.0.1	9.1.0
2011-09	RAN#53	R5s110285	0668	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.2.13	9.0.1	9.1.0
2011-09	RAN#53	R5s110287	0667	-	Addition of GCF WI 81 EUTRA RRC test case 8.1.2.9	9.0.1	9.1.0
2011-09	RAN#53	R5s110289	0666	-	Addition of GCF WI 82 ESM test case 10.8.5	9.0.1	9.1.0

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2011-09	RAN#53	R5s110291	0665	-	Addition of GCF WI-081 E-UTRA Idle Mode test case 6.1.2.10	9.0.1	9.1.0
2011-09	RAN#53	R5s110293	0664	-	Addition of GCF WI-082 E-UTRA ESM testcase 10.7.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110295	0658	-	Correction to EUTRA_ConfigurationSteps	9.0.1	9.1.0
2011-09	RAN#53	R5s110296	0657	-	Correction to EUTRA_Timing	9.0.1	9.1.0
2011-09	RAN#53	R5s110297	0656	-	Correction to EUTRA MAC test cases 7.1.6.x	9.0.1	9.1.0
2011-09	RAN#53	R5s110298	0663	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.2.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110300	0662	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.2.13	9.0.1	9.1.0
2011-09	RAN#53	R5s110302	0661	-	LTE_TDD :Addition of GCF WI 91 EUTRA RRC test case 8.5.1.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110303	0655	-	Correction to EUTRA PDCP test case 7.3.5.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110306	0660	-	Correction to EUTRA Paging procedure	9.0.1	9.1.0
2011-09	RAN#53	R5s110307	0654	-	Correction to EMM test cases 9.2.1.1.1a, 9.2.2.1.1, 9.2.2.1.8, 9.2.3.2.11 and 9.3.1.16	9.0.1	9.1.0
2011-09	RAN#53	R5s110308	0653	-	Correction to EMM test cases 9.2.3.1.15 and 9.2.3.1.18	9.0.1	9.1.0
2011-09	RAN#53	R5s110309	0652	-	Improving LTE/SA E test cases by indicating the need for special Test USIM settings	9.0.1	9.1.0
2011-09	RAN#53	R5s110310	0678	-	Correction to EUTRA RRC test case 8.5.1.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110311	0659	-	Addition of GCF WI-082 E-UTRA ESM testcase 10.8.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110313	0651	-	Correction to GCF WI-082 ESM test cases 10.2.1. and 10.4.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110314	0676	-	Modification of f_EUTRA_CellInfo_GetAntennaInfoCommon	9.0.1	9.1.0
2011-09	RAN#53	R5s110315	0677	-	Correction to EUTRA Idle Mode test case 6.2.3.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110317	0675	-	Correction to EMM test case 9.2.3.1.16	9.0.1	9.1.0
2011-09	RAN#53	R5s110318	0681	-	Regression CR for LTEw k23 ATS	9.0.1	9.1.0
2011-09	RAN#53	R5s110319	0674	-	Correction to EUTRA test case 6.1.2.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110320	0673	-	Addition of GCF WI 81 EUTRA DRB test case 12.3.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110322	0692	-	Correction to GCF WI 86 RRC test case 8.1.3.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110323	0691	-	Addition of GCF WI-081 E-UTRA IDLE MODE testcase 6.1.2.12	9.0.1	9.1.0
2011-09	RAN#53	R5s110325	0690	-	Addition of GCF WI-081 E-UTRA IDLE MODE testcase 6.1.2.14	9.0.1	9.1.0
2011-09	RAN#53	R5s110327	0689	-	Addition of GCF WI 81 EUTRA DRB test case 12.2.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110329	0687	-	Correction to GCF WI 81 EUTRA RRC test case 8.3.1.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110330	0688	-	Addition of GCF WI 81 EUTRA DRB test case 12.3.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110336	0686	-	Addition of GCF WI 81 EUTRA DRB test case 12.3.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110338	0685	-	Addition of GCF WI 81 EUTRA DRB test case 12.3.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110340	0716	-	Regression CR for LTEw k23 ATS	9.0.1	9.1.0
2011-09	RAN#53	R5s110341	0684	-	Correction to configuration of EUTRA SIB scheduling	9.0.1	9.1.0
2011-09	RAN#53	R5s110342	0682	-	Correction to f_EUTRA_SS_SetupSchedulingInfo and f_EUTRA_IdleUpdated_Step5_14	9.0.1	9.1.0
2011-09	RAN#53	R5s110346	0683	-	Addition of GCF WI 82 EMM test case 9.2.3.2.17	9.0.1	9.1.0
2011-09	RAN#53	R5s110348	0715	-	Correction to EUTRA NAS cells initialization	9.0.1	9.1.0
2011-09	RAN#53	R5s110350	0680	-	Correction to GCF WI-081 RRC test case 8.5.4.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110351	0679	-	Regression CR for LTEw k23 MRAT Testcases	9.0.1	9.1.0

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2011-09	RAN#53	R5s110352	0711	-	Correction to GCF WI 81 EUTRA RRC test case 8.3.3.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110353	0710	-	Correction of frequencies used for LTE Band 6, 14, 17 and 38	9.0.1	9.1.0
2011-09	RAN#53	R5s110354	0709	-	Addition of GCF WI 81 EUTRA RRC test case 8.3.1.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110356	0708	-	Correction to EUTRA RRC test cases 8.2.4.1, 8.2.4.4 and 8.2.4.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110357	0707	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.3.1.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110359	0706	-	Addition of GCF WI 82 EMM test case 9.2.3.1.18	9.0.1	9.1.0
2011-09	RAN#53	R5s110361	0705	-	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.2.4.8	9.0.1	9.1.0
2011-09	RAN#53	R5s110363	0704	-	Correction to GCF WI 86 EMM test cases 9.2.3.2.5, 9.2.3.2.6 and 9.2.3.2.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110364	0703	-	Correction of GCF WI 82 EMM test cases 9.2.1.2.5, TC 9.2.1.2.6 and TC 9.2.1.2.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110365	0702	-	Correction to GCF WI-082 ESM test cases 10.2.1 and 10.4.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110368	0701	-	Correction to EMM test case 9.2.1.2.11	9.0.1	9.1.0
2011-09	RAN#53	R5s110369	0700	-	Addition of GCF WI 82 EMM test case 9.2.1.1.11	9.0.1	9.1.0
2011-09	RAN#53	R5s110371	0699	-	Addition of GCF WI 81 Idle Mode test case 6.2.1.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110373	0698	-	Addition of GCF WI-082 E-UTRA ESM testcase 10.8.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110375	0697	-	Addition of GCF WI-082 E-UTRA ESM testcase 10.8.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110377	0696	-	Addition of GCF WI-087 EUTRA Idle mode InterRAT test case 6.2.2.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110382	0695	-	Correction to EUTRA RRC test case 8.4.1.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110383	0694	-	Correction of EUTRA RLC test case 7.2.3.9	9.0.1	9.1.0
2011-09	RAN#53	R5s110384	0693	-	Addition of GCF WI 82 EMM test case 9.2.3.1.17	9.0.1	9.1.0
2011-09	RAN#53	R5s110386	0714	-	Correction to UTRAN common modules in LTE ATS	9.0.1	9.1.0
2011-09	RAN#53	R5s110389	0713	-	Correction to GCF WI 81 RLC test case 7.2.3.17	9.0.1	9.1.0
2011-09	RAN#53	R5s110394	0712	-	Correction of RLC and MAC test cases for TDD scheduling	9.0.1	9.1.0
2011-09	RAN#53	R5s110395	0732	-	Correction to EMM test cases	9.0.1	9.1.0
2011-09	RAN#53	R5s110396	0719	-	Correction to EUTRA RRC test case 8.5.1.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110397	0726	-	LTE_TDD: Addition of GCF WI 81 EUTRA test case 6.1.2.12	9.0.1	9.1.0
2011-09	RAN#53	R5s110399	0725	-	LTE_TDD: Addition of GCF WI 81 EUTRA test case 6.1.2.14	9.0.1	9.1.0
2011-09	RAN#53	R5s110401	0724	-	LTE_TDD: Addition of GCF WI 81 EUTRA RRC test case 8.1.1.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110403	0723	-	LTE_TDD: Addition of GCF WI 81 EUTRA RRC test case 8.1.1.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110405	0722	-	LTE_TDD: Addition of GCF WI 81 EUTRA RRC test case 8.3.1.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110407	0721	-	LTE_TDD: Addition of GCF WI 81 EUTRA RRC test case 8.1.2.8	9.0.1	9.1.0
2011-09	RAN#53	R5s110409	0720	-	LTE_TDD: Addition of GCF WI 81 E-UTRA DRB test case 12.2.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110411	0717	-	Correction of MAC test cases 7.1.4.15 and 7.1.4.16 for TDD scheduling	9.0.1	9.1.0
2011-09	RAN#53	R5s110412	0718	-	LTE_TDD: Addition of GCF WI-091 E-UTRA RRC testcase 8.2.4.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110414	0738	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.5.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110416	0737	-	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.5.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110418	0794	-	Correction to GCF WI-081 EUTRA PDCP test cases 7.3.4.1 and 7.3.4.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110421	0736	-	Correction to GCF WI-086 /-087 EMM test case 9.2.1.2.15	9.0.1	9.1.0

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2011-09	RAN#53	R5s110422	0735	-	Correction to GCF WI-081 EUTRA MAC test case 7.1.5.x	9.0.1	9.1.0
2011-09	RAN#53	R5s110423	0734	-	Correction to GCF WI-082 EMM test case 9.2.1.2.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110424	0733	-	Correction to GCF WI-082 EMM test case 9.2.3.1.26	9.0.1	9.1.0
2011-09	RAN#53	R5s110425	0731	-	Corrections required for IPv6	9.0.1	9.1.0
2011-09	RAN#53	R5s110426	0730	-	Correction to GCF WI 82 EMM test cases 9.2.3.1.9a and 9.2.3.1.23	9.0.1	9.1.0
2011-09	RAN#53	R5s110427	0729	-	Correction to EUTRA EMM test cases 9.4.1, 9.4.2, 9.4.3, 9.4.4, 9.1.3.2 and 9.2.1.1.1a	9.0.1	9.1.0
2011-09	RAN#53	R5s110428	0728	-	LTE_TDD: Addition of GCF WI 081 EUTRA Idle Mode test case 6.3.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110430	0727	-	Correction to Multilayer test case 13.3.1.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110431	0772	-	Correction to UTRAN Default Handling in LTE/SAE ATS	9.0.1	9.1.0
2011-09	RAN#53	R5s110432	0771	-	Correction to ESM testcase 10.7.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110433	0770	-	Correction to LTE<->GERAN Testcases	9.0.1	9.1.0
2011-09	RAN#53	R5s110435	0788	-	Addition of GCF WI-086 E-UTRA RRC testcase 8.3.2.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110437	0768	-	LTE_TDD: Addition of GCF WI-091 E-UTRA RRC testcase 8.3.1.11	9.0.1	9.1.0
2011-09	RAN#53	R5s110439	0769	-	Addition of GCF WI 82 EMM test case 9.1.5.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110441	0762	-	Correction to GCF WI-081 EUTRA RRC test case 8.2.4.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110443	0767	-	Correction to GCF WI 82 EMM test cases 9.3.1.4 and 9.3.1.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110445	0760	-	Correction to GCF WI-085 Interband Testcase 6.1.2.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110446	0765	-	Correction to GCF WI-082 EMM Testcase 9.2.3.1.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110447	0764	-	Correction to GCF WI-081 RRC Testcase 8.1.3.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110448	0783	-	Correction to GCF WI-082 EMM Testcases 9.2.1.2.10 and 9.2.3.1.26	9.0.1	9.1.0
2011-09	RAN#53	R5s110449	0763	-	Corrections required to support IPv6	9.0.1	9.1.0
2011-09	RAN#53	R5s110456	0766	-	Correction to GCF WI-081 EUTRA MAC test cases 7.1.3.9 and 7.1.4.12	9.0.1	9.1.0
2011-09	RAN#53	R5s110461	0761	-	Correction to constant tsc_EUTRA_DelayForCellSelection	9.0.1	9.1.0
2011-09	RAN#53	R5s110462	0759	-	Addition of GCF WI-082 EMM test case 9.2.3.3.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110464	0758	-	Addition of GCF WI-081 EUTRA MAC test case 7.1.5.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110465	0747	-	Correction to UTRAN PS RB Establishment	9.0.1	9.1.0
2011-09	RAN#53	R5s110466	0749	-	Corrections to UTRAN GMM Service Request	9.0.1	9.1.0
2011-09	RAN#53	R5s110468	0756	-	Correction to the Idle Mode test case 6.1.2.10	9.0.1	9.1.0
2011-09	RAN#53	R5s110469	0757	-	Addition of GCF WI-081 EUTRA RRC test case 8.2.1.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110472	0755	-	Correction of EMM test cases 9.2.3.2.11, 9.2.1.1.13	9.0.1	9.1.0
2011-09	RAN#53	R5s110473	0754	-	Correction to EUTRA MAC test case 7.1.3.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110474	0752	-	Correction to GCF WI-091 EUTRA RLC test cases	9.0.1	9.1.0
2011-09	RAN#53	R5s110475	0751	-	Improvement to EUTRA IRAT preamble	9.0.1	9.1.0
2011-09	RAN#53	R5s110476	0753	-	Correction to EMM test case 9.3.1.17	9.0.1	9.1.0
2011-09	RAN#53	R5s110478	0750	-	Correction to EMM test case 9.2.3.1.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110481	0746	-	LTE_TDD: Addition of GCF WI 91 EUTRA DRB test case 12.3.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110483	0745	-	LTE_TDD: Addition of GCF WI 91 EUTRA DRB test case 12.3.2	9.0.1	9.1.0

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2011-09	RAN#53	R5s110485	0744	-	LTE_TDD: Addition of GCF WI91 EUTRA DRB test case 12.3.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110487	0743	-	LTE_TDD: Addition of GCF WI91 EUTRA DRB test case 12.3.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110489	0748	-	Correction to AT command to initiate CS speech call	9.0.1	9.1.0
2011-09	RAN#53	R5s110491	0742	-	Correction of EUTRA Idle Mode test cases 6.1.2.10	9.0.1	9.1.0
2011-09	RAN#53	R5s110492	0793	-	Addition of GCF WI-088 EUTRA –HRPD InterRAT test case 8.1.3.9	9.0.1	9.1.0
2011-09	RAN#53	R5s110494	0792	-	Addition of GCF WI-088 EUTRA –HRPD InterRAT test case 6.2.2.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110496	0791	-	Addition of GCF WI-088 EUTRA –HRPD InterRAT test case 6.2.3.8	9.0.1	9.1.0
2011-09	RAN#53	R5s110498	0775	-	Correction to GCF-WI-082 EMM test case 9.2.1.1.7	9.0.1	9.1.0
2011-09	RAN#53	R5s110499	0739	-	Correction to GCF WI-082 EUTRA Multi-Layer test case 13.3.1.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110500	0741	-	Correction of GCF WI 82 ESM test cases 10.7.3 and 10.8.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110505	0740	-	Addition of GCF WI 81 EUTRA RRC test case 8.2.4.12	9.0.1	9.1.0
2011-09	RAN#53	R5s110509	0786	-	Addition of GCF WI 81 EUTRA test case 6.1.1.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110511	0785	-	Addition of GCF WI 81 EUTRA test case 6.1.1.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110513	0782	-	Addition of GCF WI-081 E-UTRA MAC testcase 7.1.5.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110515	0784	-	Correction to WI-086 EUTRA Idle Mode Testcase 6.2.3.4	9.0.1	9.1.0
2011-09	RAN#53	R5s110516	0781	-	Regression TTCN CR for IWD_w k27 ATS	9.0.1	9.1.0
2011-09	RAN#53	R5s110517	0780	-	Correction to GCF WI-082 'SMS over SGs' test cases 11.1.x	9.0.1	9.1.0
2011-09	RAN#53	R5s110518	0779	-	Correction to GCF WI-082 EMM test case 9.2.3.1.17	9.0.1	9.1.0
2011-09	RAN#53	R5s110519	0789	-	Addition of GCF WI-086 E-UTRA Idle Mode testcase 6.2.3.13	9.0.1	9.1.0
2011-09	RAN#53	R5s110521	0774	-	Correction to GCF WI-082 EMM test case 9.2.1.2.1	9.0.1	9.1.0
2011-09	RAN#53	R5s110526	0778	-	Correction to EUTRA RLC test case 7.2.3.16	9.0.1	9.1.0
2011-09	RAN#53	R5s110527	0773	-	Correction to GCF WI-082 EMM test case 9.2.1.1.1a	9.0.1	9.1.0
2011-09	RAN#53	R5s110528	0790	-	Addition of GCF WI 81 EUTRA Test Case 6.1.1.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110530	0776	-	Addition of GCF WI-081 E-UTRA RRC testcase 8.2.1.5	9.0.1	9.1.0
2011-09	RAN#53	R5s110532	0777	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.4.12	9.0.1	9.1.0
2011-09	RAN#53	R5s110534	0787	-	LTE_TDD: Addition of GCF WI91 EUTRA RRC test case 8.2.1.6	9.0.1	9.1.0
2011-09	RAN#53	R5s110546	0795	-	Correction to GCF WI-082 EMM test case 9.2.1.1.24	9.0.1	9.1.0
2011-09	RAN#53	R5s110551	0796	-	Correction to EMM test case 9.2.1.2.3	9.0.1	9.1.0
2011-09	RAN#53	R5s110552	0798	-	Correction to EUTRA MAC test case 7.1.6.1 and 7.1.6.2	9.0.1	9.1.0
2011-09	RAN#53	R5s110553	0797	-	LTE_TDD: Addition of GCF WI-091 EUTRA MAC testcase 7.1.5.1	9.0.1	9.1.0
2011-12	RAN#54	R5-115770	0799	-	Routine maintenance and updates for EUTRA test model	9.1.0	9.2.0
2011-12	RAN#54	RP-111588	0800	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	9.1.0	9.2.0
2011-12	RAN#54	R5s110549	0801	-	Addition of GCF WI 82 EMM test case 9.3.1.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110547	0802	-	Addition of GCF WI 86 EUTRA Idle Mode test case 6.2.2.5	9.1.0	9.2.0
2011-12	RAN#54	R5s110575	0803	-	Correction to GCF WI-087 Idle Mode Testcases 6.2.2.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110573	0804	-	Addition of GCF WI-081 E-UTRA MAC testcase 7.1.5.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110571	0805	-	Correction to EUTRA MAC test case 7.1.5.4	9.1.0	9.2.0



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2011-12	RAN#54	R5s110570	0806	-	Correction to AT commands	9.1.0	9.2.0
2011-12	RAN#54	R5s110569	0807	-	Correction to GCF WI-086 EMM Testcases 9.2.1.2.11	9.1.0	9.2.0
2011-12	RAN#54	R5s110568	0808	-	Correction to GCF WI-082 EMM Testcases 9.2.3.1.17	9.1.0	9.2.0
2011-12	RAN#54	R5s110566	0809	-	Addition of GCF WI82 EMM test case 9.2.3.1.22	9.1.0	9.2.0
2011-12	RAN#54	R5s110565	0810	-	Correction to GCF WI-081 RRC test case 8.5.4.1	9.1.0	9.2.0
2011-12	RAN#54	R5s110444	0811	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.2.4.7	9.1.0	9.2.0
2011-12	RAN#54	R5s110563	0812	-	Correction to GCF WI-086 EUTRA RRC Testcase 8.4.1.2	9.1.0	9.2.0
2011-12	RAN#54	R5s110561	0813	-	Addition of GCF WI 82 EMM Test Case 9.2.1.2.12	9.1.0	9.2.0
2011-12	RAN#54	R5s110560	0814	-	Correction to GCF WI-081 EUTRA RRC test case 8.2.4.7	9.1.0	9.2.0
2011-12	RAN#54	R5s110558	0815	-	Correction to GCF WI-091 EUTRA MAC test cases 7.1.4.15 + 7.1.4.16 and RLC test case 7.2.3.15	9.1.0	9.2.0
2011-12	RAN#54	R5s110556	0816	-	Addition of GCF WI 81 EUTRA Test Case 6.1.1.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110559	0817	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.2.4.12	9.1.0	9.2.0
2011-12	RAN#54	R5s110555	0818	-	Correction of GCF WI 91 RLC test case 7.2.3.17	9.1.0	9.2.0
2011-12	RAN#54	R5s110587	0819	-	Correction to EMM test case 9.2.1.1.20	9.1.0	9.2.0
2011-12	RAN#54	R5s110580	0820	-	Addition of GCF WI 86 Multilayer Test Case 13.1.2	9.1.0	9.2.0
2011-12	RAN#54	R5s110588	0821	-	Correction to GCF WI-086 Idle Mode Testcases 6.2.3.13	9.1.0	9.2.0
2011-12	RAN#54	R5s110584	0822	-	Correction to EMM test case 9.1.5.1	9.1.0	9.2.0
2011-12	RAN#54	R5s110585	0823	-	Addition of GCF WI-081 E-UTRA MAC testcase 7.1.7.1.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110582	0824	-	Addition of GCF WI-081 E-UTRA MAC testcase 7.1.7.1.5	9.1.0	9.2.0
2011-12	RAN#54	R5s110572	0825	-	Correction of DRB test cases 12.3.1,12.3.2,12.3.3,12.3.4	9.1.0	9.2.0
2011-12	RAN#54	R5s110576	0826	-	Correction to GCF WI-081 EUTRA MAC test case 7.1.3.9	9.1.0	9.2.0
2011-12	RAN#54	R5s110598	0827	-	Addition of GCF WI-086 EUTRA RRC test case 8.3.3.2	9.1.0	9.2.0
2011-12	RAN#54	R5s110603	0828	-	Corrections to the IP component	9.1.0	9.2.0
2011-12	RAN#54	R5s110593	0829	-	Regression CR for LTEw k37 ATS	9.1.0	9.2.0
2011-12	RAN#54	R5s110604	0830	-	Addition of GCF WI-082 ESM test case 10.9.1	9.1.0	9.2.0
2011-12	RAN#54	R5s110634	0831	-	Correction to GCF WI 82 ESM test case 10.3.1	9.1.0	9.2.0
2011-12	RAN#54	R5s110633	0832	-	Correction to function f_UT_ManualPLMN_Select	9.1.0	9.2.0
2011-12	RAN#54	R5s110632	0833	-	Correction to EMM test cases	9.1.0	9.2.0
2011-12	RAN#54	R5s110631	0834	-	Correction to GCF WI-082 Idle Mode Testcases 9.3.2.2 and 9.3.2.2a	9.1.0	9.2.0
2011-12	RAN#54	R5s110623	0835	-	Correction to GCF WI-081 E-UTRA MIMO DRB Test Case Testcases 12.3.1, 12.3.2, 12.3.3 and 12.3.4	9.1.0	9.2.0
2011-12	RAN#54	R5s110610	0836	-	LTE_TDD: Addition of GCF WI-095 EUTRA RRC test case 8.2.4.9	9.1.0	9.2.0
2011-12	RAN#54	R5s110608	0837	-	LTE_TDD: Addition of GCF WI-095 EUTRA Idle Mode test case 6.1.2.5	9.1.0	9.2.0
2011-12	RAN#54	R5s110621	0838	-	LTE_TDD: Addition of GCF WI-091 EUTRA MAC testcase 7.1.5.5	9.1.0	9.2.0
2011-12	RAN#54	R5s110619	0839	-	LTE_TDD: Addition of GCF WI-091 EUTRA MAC testcase 7.1.5.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110607	0840	-	Correction to GCF WI-86 EMM test case 9.2.3.3.5	9.1.0	9.2.0
2011-12	RAN#54	R5s110618	0841	-	Correction to LTEw k37 ATS	9.1.0	9.2.0
2011-12	RAN#54	R5s110616	0842	-	LTE_TDD: Addition of GCF WI-091 EUTRA Idle mode testcase 6.1.2.10	9.1.0	9.2.0

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2011-12	RAN#54	R5s110614	0843	-	LTE_TDD: Addition of GCF WI-091 EUTRA MAC testcase 7.1.7.1.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110612	0844	-	LTE_TDD: Addition of GCF WI-091 EUTRA MAC testcase 7.1.7.1.5	9.1.0	9.2.0
2011-12	RAN#54	R5s110596	0845	-	Regression CR for LTE IWD_w k37	9.1.0	9.2.0
2011-12	RAN#54	R5s110594	0846	-	Addition of GCF WI-082 E-UTRA EMM testcase 9.2.3.2.1a	9.1.0	9.2.0
2011-12	RAN#54	R5s110591	0847	-	LTE_TDD: Addition of GCF WI97 EUTRA Idle mode test case 6.2.2.7	9.1.0	9.2.0
2011-12	RAN#54	R5s110589	0848	-	LTE_TDD: Addition of GCF WI97 EUTRA RRC test case 8.1.3.8	9.1.0	9.2.0
2011-12	RAN#54	R5s110577	0849	-	Correction to EMM test case 9.2.3.2.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110643	0850	-	Addition of GCF WI 82 EMM test case 9.2.2.1.4	9.1.0	9.2.0
2011-12	RAN#54	R5s110641	0851	-	Correction to EMM test case 9.2.3.1.17	9.1.0	9.2.0
2011-12	RAN#54	R5s110639	0852	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.14	9.1.0	9.2.0
2011-12	RAN#54	R5s110637	0853	-	Addition of GCF WI 82 EMM test case 9.3.1.12a	9.1.0	9.2.0
2011-12	RAN#54	R5s110636	0854	-	Correction of GCF WI81 EUTRA Idle Mode in test case 6.1.1.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110600	0855	-	Addition of GCF WI-088 EUTRA -1xRTT InterRAT test case 6.2.2.4	9.1.0	9.2.0
2011-12	RAN#54	R5s110658	0856	-	Correction to Timing Issues in Case of Big RRC + NAS Messages in EUTRA Testcases	9.1.0	9.2.0
2011-12	RAN#54	R5s110657	0857	-	Correction of GERAN Common Functions and Type Definitions in LTE / SAE ATS	9.1.0	9.2.0
2011-12	RAN#54	R5s110655	0858	-	Addition of GCF WI-086 EUTRA-UTRA Idle Mode test case 6.2.3.32	9.1.0	9.2.0
2011-12	RAN#54	R5s110653	0859	-	Addition of GCF WI-086 EUTRA-UTRA Idle Mode test case 6.2.3.31	9.1.0	9.2.0
2011-12	RAN#54	R5s110651	0860	-	Addition of GCF WI-086 EUTRA-UTRA Idle Mode test case 6.2.2.8	9.1.0	9.2.0
2011-12	RAN#54	R5s110649	0861	-	Addition of GCF WI-086 E-UTRA EMM testcase 9.2.3.2.14	9.1.0	9.2.0
2011-12	RAN#54	R5s110647	0862	-	Addition of GCF WI-086 E-UTRA EMM testcase 9.2.2.1.10	9.1.0	9.2.0
2011-12	RAN#54	R5s110666	0863	-	Correction to GCF WI-081 EUTRA MAC Testcase 7.1.4.14	9.1.0	9.2.0
2011-12	RAN#54	R5s110602	0864	-	Removal of SRB0 from SS SRB / DRB handling functions	9.1.0	9.2.0
2011-12	RAN#54	R5s110659	0865	-	Correction to GCF WI-081 EUTRA RAB test cases 12.3.x	9.1.0	9.2.0
2011-12	RAN#54	R5s110682	0866	-	Correction to Type Def. in LTE/SAE ATS	9.1.0	9.2.0
2011-12	RAN#54	R5s110680	0867	-	LTE_TDD: Addition of GCF WI-091 EUTRA Idle mode testcase 6.1.1.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110678	0868	-	LTE_TDD: Addition of GCF WI-091 EUTRA Idle mode testcase 6.1.1.4	9.1.0	9.2.0
2011-12	RAN#54	R5s110676	0869	-	LTE_TDD: Addition of GCF WI-091 EUTRA Idle mode testcase 6.1.1.2	9.1.0	9.2.0
2011-12	RAN#54	R5s110675	0870	-	Corrections to GCF WI82 ESM test case 10.5.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110674	0871	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.1.2.13	9.1.0	9.2.0
2011-12	RAN#54	R5s110673	0872	-	Corrections to GCF WI82 ESM test case 10.3.1	9.1.0	9.2.0
2011-12	RAN#54	R5s110645	0873	-	Corrections to GCF WI82 ESM test case 10.9.1	9.1.0	9.2.0
2011-12	RAN#54	R5s110646	0874	-	Correction to GCF WI81 Idle Mode test case 6.1.2.14	9.1.0	9.2.0
2011-12	RAN#54	R5s110688	0875	-	Correction to EMM test case 9.2.3.1.1	9.1.0	9.2.0
2011-12	RAN#54	R5s110685	0876	-	Correction required to EMM test case 9.2.3.2.1a	9.1.0	9.2.0
2011-12	RAN#54	R5s110695	0877	-	Correction to Multi-Layer test case 13.1.2	9.1.0	9.2.0
2011-12	RAN#54	R5s110697	0878	-	Correction to EUTRA MAC test case 7.1.7.1.5 and 7.1.7.1.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110694	0879	-	Correction to EMM test case 9.2.2.1.3	9.1.0	9.2.0

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2011-12	RAN#54	R5s110687	0880	-	Correction to GCF WI-081 EUTRA MAC test case 7.1.3.9	9.1.0	9.2.0
2011-12	RAN#54	R5s110690	0881	-	Addition of GCF WI-086 EUTRA-UTRA Idle Mode test case 6.2.1.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110696	0882	-	Correction to Idle mode test case 6.2.2.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110699	0883	-	Addition of GCF WI-087 EUTRA RRC test case 8.3.3.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110702	0884	-	Correction to EMM test case 9.3.1.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110701	0885	-	Correction to EMM test case 9.3.1.17	9.1.0	9.2.0
2011-12	RAN#54	R5s110698	0886	-	Correction to EUTRA MAC test cases 7.1.6.1 and 7.1.6.2	9.1.0	9.2.0
2011-12	RAN#54	R5s110705	0887	-	Correction to EMM test case 9.2.3.2.14	9.1.0	9.2.0
2011-12	RAN#54	R5s110683	0888	-	Addition of GCF WI-086 EUTRA-UTRA (HSPA) RRC test case 8.4.1.4	9.1.0	9.2.0
2011-12	RAN#54	R5s110710	0889	-	Correction to EMM test case 9.2.1.1.24	9.1.0	9.2.0
2011-12	RAN#54	R5s110709	0890	-	Correction to EUTRA MAC test cases 7.1.7.1.1, 7.1.7.1.2, 7.1.7.1.3, 7.1.7.1.4, 7.1.7.1.5, 7.1.7.1.6 and 7.1.7.2.1 for LTE band 25	9.1.0	9.2.0
2011-12	RAN#54	R5s110708	0891	-	Correction to EUTRA RRC test case 8.1.2.8	9.1.0	9.2.0
2011-12	RAN#54	R5s110707	0892	-	Correction to RRC test case 8.2.4.8	9.1.0	9.2.0
2011-12	RAN#54	R5s110706	0893	-	Correction to MAC test case 7.1.2.3	9.1.0	9.2.0
2011-12	RAN#54	R5s110692	0894	-	Correction to EMM test cases 9.2.1.1.20 and 9.2.1.1.26	9.1.0	9.2.0
2011-12	RAN#54	R5s110693	0895	-	Correction to MAC test case 7.1.4.5	9.1.0	9.2.0
2011-12	RAN#54	R5s110718	0896	-	Addition of GCF WI-086 E-UTRA EMM test case 9.2.3.2.13	9.1.0	9.2.0
2011-12	RAN#54	R5s110724	0898	-	Addition of GCF WI 88 EUTRA test case 8.3.2.6	9.1.0	9.2.0
2011-12	RAN#54	R5s110721	0899	-	Addition of GCF WI 87 EUTRA test case 8.3.2.1	9.1.0	9.2.0
2011-12	RAN#54	R5s110720	0900	-	Correction of LTE GERAN test cases	9.1.0	9.2.0
2012-03	RAN#55	R5-120721	0901	-	Routine maintenance and updates for EUTRA test model	9.2.0	9.3.0
2012-03	RAN#55	R5s110667	0971	-	Addition of GCF WI-081 E-UTRA ETWS test case 14.1	9.2.0	9.3.0
2012-03	RAN#55	R5s110726	0970	-	Addition of GCF WI 86 EMM Test Case 9.2.3.3.1	9.2.0	9.3.0
2012-03	RAN#55	R5s110731	0960	-	Correction to GCF WI-082 EMM test case 9.2.2.1.6	9.2.0	9.3.0
2012-03	RAN#55	R5s110737	0968	-	Correction to EMM test case 9.2.2.1.6	9.2.0	9.3.0
2012-03	RAN#55	R5s110738	0969	-	Correction to EUTRA RRC test case 8.3.3.2	9.2.0	9.3.0
2012-03	RAN#55	R5s110739	0967	-	Correction to EUTRA MAC TBS test cases	9.2.0	9.3.0
2012-03	RAN#55	R5s110740	0966	-	Correction to EUTRA MAC test cases	9.2.0	9.3.0
2012-03	RAN#55	R5s110741	0965	-	Correction to GCF WI-088 Inter-RAT cell selection test cases 6.2.2.3 & 6.2.2.4	9.2.0	9.3.0
2012-03	RAN#55	R5s110742	0978	-	Types mismatch in f_UTRAN_CellInfo_GetNMO	9.2.0	9.3.0
2012-03	RAN#55	R5s110743	0974	-	Correction to EUTRA test cases to configure measurement gaps	9.2.0	9.3.0
2012-03	RAN#55	R5s110744	0964	-	Correction to EMM test cases	9.2.0	9.3.0
2012-03	RAN#55	R5s110746	0963	-	Correction to EUTRA RRC test cases 8.2.1.5 and 8.2.1.6	9.2.0	9.3.0
2012-03	RAN#55	R5s110747	0962	-	Addition of GCF WI 86,87 EUTRA test case 9.2.1.2.1b	9.2.0	9.3.0
2012-03	RAN#55	R5s110749	0977	-	Modification of template cas_RL_Modify_DPCHInfo_FDD	9.2.0	9.3.0
2012-03	RAN#55	R5s110750	0973	-	Correction to SMS over SG test cases 11.1.1 and 11.1.2	9.2.0	9.3.0

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2012-03	RAN#55	R5s110751	0972	-	Correction to SMS over SG test cases 11.1.3 and 11.1.4	9.2.0	9.3.0
2012-03	RAN#55	R5s110752	0976	-	Correction to f_UTRAN_RB_SetUp	9.2.0	9.3.0
2012-03	RAN#55	R5s110753	0913	-	Correction to calls to f_EUTRA_SetSIB6_InterFreqCarrierFreqList_F8	9.2.0	9.3.0
2012-03	RAN#55	R5s110754	0975	-	Correction to GCF WI-086 Inter-RAT Handover testcases 8.4.1.2 & 8.4.1.4	9.2.0	9.3.0
2012-03	RAN#55	R5s110757	0914	-	Correction to f_EUTRA_TAU_Check	9.2.0	9.3.0
2012-03	RAN#55	R5s110759	0912	-	Addition of GCF WI 81 EUTRA test case 14.2	9.2.0	9.3.0
2012-03	RAN#55	R5s110761	0961	-	Addition of GCF WI 81 EUTRA test case 14.1	9.2.0	9.3.0
2012-03	RAN#55	R5s110763	0911	-	Addition of GCF WI87 EUTRA Idle Mode test case 6.2.3.1	9.2.0	9.3.0
2012-03	RAN#55	R5s110765	0910	-	Addition of EUTRA test case 8.3.1.9a	9.2.0	9.3.0
2012-03	RAN#55	R5s110767	0909	-	Addition of EUTRA test case 8.3.1.11a	9.2.0	9.3.0
2012-03	RAN#55	R5s110771	0908	-	Correction to UTRA RRC establishment cause and check of UTRA QoS params	9.2.0	9.3.0
2012-03	RAN#55	R5s110773	0907	-	Corrections to IPv6	9.2.0	9.3.0
2012-03	RAN#55	R5s110776	0924	-	Correction to LTEw k49 ATS	9.2.0	9.3.0
2012-03	RAN#55	R5s110777	0905	-	Regression CR for EUTRA EMM Testcases for D11wk49 ATS	9.2.0	9.3.0
2012-03	RAN#55	R5s110778	0906	-	Correction to GCF WI-082 EUTRA ESM Testcases 10.8.5, 10.8.6, 10.9.1	9.2.0	9.3.0
2012-03	RAN#55	R5s110779	0904	-	Correction to GCF WI-086 EUTRA Idle Mode Testcases 6.2.3.31	9.2.0	9.3.0
2012-03	RAN#55	R5s110782	0934	-	Correction to UTRAN SIB segmentation	9.2.0	9.3.0
2012-03	RAN#55	R5s110783	0933	-	Correction to GCF WI-081 EUTRA Idle Mode Testcase 6.1.2.13	9.2.0	9.3.0
2012-03	RAN#55	R5s110785	0903	-	Correction to GCF WI-081 RLC test cases 7.2.3.10 and 7.2.3.13	9.2.0	9.3.0
2012-03	RAN#55	R5s110787	0932	-	Correction to GCF WI-086 EUTRA Multi Layer Testcase 13.1.2	9.2.0	9.3.0
2012-03	RAN#55	R5s110788	0931	-	Correction to GCF WI-086 EUTRA RRC Testcase 8.4.1.4 and 8.4.12	9.2.0	9.3.0
2012-03	RAN#55	R5s110789	0930	-	Correction to GCF WI-082 EUTRA EMM Testcase 9.2.3.1.26	9.2.0	9.3.0
2012-03	RAN#55	R5s110790	0929	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.3.1.7	9.2.0	9.3.0
2012-03	RAN#55	R5s110791	0928	-	Addition of GCF WI-086 E-UTRA EMM testcase 9.2.3.1.6	9.2.0	9.3.0
2012-03	RAN#55	R5s110801	0927	-	Addition of GCF WI-086 E-UTRA EMM testcase 9.2.3.3.4	9.2.0	9.3.0
2012-03	RAN#55	R5s120002	0926	-	Correction to function fl_RequestPDPCContext	9.2.0	9.3.0
2012-03	RAN#55	R5s120003	0925	-	Correction to GCF WI-081 testcase 8.3.1.7	9.2.0	9.3.0
2012-03	RAN#55	R5s120006	0923	-	Correction to GCF WI-086 EUTRA RRC Testcase 8.3.3.2	9.2.0	9.3.0
2012-03	RAN#55	R5s120007	0948	-	LTE_TDD: Addition of GCF WI-091 EUTRA RRC testcase 8.2.1.5	9.2.0	9.3.0
2012-03	RAN#55	R5s120009	0947	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.7a	9.2.0	9.3.0
2012-03	RAN#55	R5s120011	0946	-	LTE_TDD: Addition of GCF WI-091 EUTRA MAC testcase 7.1.4.7a	9.2.0	9.3.0
2012-03	RAN#55	R5s120013	0945	-	Addition of GCF WI 82 EMM Test Case 9.2.1.1.18	9.2.0	9.3.0
2012-03	RAN#55	R5s120016	0922	-	Addition of GCF WI87 EUTRA Idle Mode test case 6.2.3.14	9.2.0	9.3.0
2012-03	RAN#55	R5s120019	0921	-	Correction to EUTRA Idle Mode test case 6.2.1.3	9.2.0	9.3.0
2012-03	RAN#55	R5s120020	0920	-	Correction to EUTRA Idle Mode test case 6.1.2.13	9.2.0	9.3.0
2012-03	RAN#55	R5s120021	0919	-	Correction to EUTRA RRC test case 8.3.2.6	9.2.0	9.3.0
2012-03	RAN#55	R5s120022	0918	-	Correction to EMM test cases 9.2.2.2.2 and 9.3.2.2a	9.2.0	9.3.0

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2012-03	RAN#55	R5s120023	0917	-	Correction to MAC test case 7.1.4.12	9.2.0	9.3.0
2012-03	RAN#55	R5s120024	0915	-	Correction to EUTRA RRC test cases 8.2.1.5	9.2.0	9.3.0
2012-03	RAN#55	R5s120025	0916	-	Addition of GCF WI-087 E-UTRA PLMN Selection testcase 6.2.1.4	9.2.0	9.3.0
2012-03	RAN#55	R5s120027	0944	-	Addition of GCF WI87 EUTRA Idle Mode test case 6.2.1.6	9.2.0	9.3.0
2012-03	RAN#55	R5s120029	0943	-	Addition of GCF WI-088 EUTRA-1xRTT test case 6.2.3.10	9.2.0	9.3.0
2012-03	RAN#55	R5s120033	0942	-	Correction to EUTRA RRC test cases 8.3.1.11	9.2.0	9.3.0
2012-03	RAN#55	R5s120034	0941	-	Correction to EMM test case 9.2.3.1.4	9.2.0	9.3.0
2012-03	RAN#55	R5s120035	0940	-	Correction to RLC test case 7.2.3.8 and MAC test case 7.1.7.2.1	9.2.0	9.3.0
2012-03	RAN#55	R5s120036	0939	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.2.4.4	9.2.0	9.3.0
2012-03	RAN#55	R5s120037	0982	-	Addition of GCF WI-081 EUTRA MAC test case 7.1.8.1	9.2.0	9.3.0
2012-03	RAN#55	R5s120039	0938	-	Correction to EUTRA test cases 8.3.1.9 and 8.3.1.10	9.2.0	9.3.0
2012-03	RAN#55	R5s120040	0937	-	Correction to EUTRA MAC test cases 7.1.7.2.1, 7.1.6.1 and 7.1.6.2	9.2.0	9.3.0
2012-03	RAN#55	R5s120048	0936	-	Correction to EUTRA RRC test cases 8.3.3.2 and 8.3.3.3	9.2.0	9.3.0
2012-03	RAN#55	R5s120049	0935	-	Correction to GCF WI-086 Multi-Layer test case 13.1.2	9.2.0	9.3.0
2012-03	RAN#55	R5s120050	0953	-	Correction to GERAN modules in LTE ATS_w k49	9.2.0	9.3.0
2012-03	RAN#55	R5s120051	0952	-	Correction to GCF WI-088 EUTRA-HRPD test case 6.2.2.3	9.2.0	9.3.0
2012-03	RAN#55	R5s120052	0951	-	Correction to EUTRA_Measurement_Specific_Templates in LTE ATS w k49	9.2.0	9.3.0
2012-03	RAN#55	R5s120053	0954	-	Correction to GCF WI-081 EUTRA RRC Testcase 9.2.3.1.16	9.2.0	9.3.0
2012-03	RAN#55	R5s120054	0955	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.2	9.2.0	9.3.0
2012-03	RAN#55	R5s120056	0950	-	Correction to TLLI deletion at GPRS detach	9.2.0	9.3.0
2012-03	RAN#55	R5s120057	0949	-	Correction to GCF WI-085 Interband test case 6.1.2.5 and 8.2.4.9	9.2.0	9.3.0
2012-03	RAN#55	R5s120059	0981	-	LTE_TDD Addition of GCF WI-091 EUTRA MAC test case 7.1.8.1	9.2.0	9.3.0
2012-03	RAN#55	R5s120061	0958	-	Correction to GCF WI-082 EUTRA NAS test case 9.2.1.1.7	9.2.0	9.3.0
2012-03	RAN#55	R5s120062	0957	-	Correction to GCF WI-081 EUTRA RRC test cases 8.5.1.2 and 8.5.1.4	9.2.0	9.3.0
2012-03	RAN#55	R5s120065	0956	-	Correction to EUTRA Idle Mode test cases 6.1.1.3, 6.1.2.7	9.2.0	9.3.0
2012-03	RAN#55	R5s120067	0959	-	Correction to EMM testcase 9.2.3.3.4	9.2.0	9.3.0
2012-03	RAN#55	R5s120068	0990	-	Addition of GCF WI-086 UTRAN-EUTRA RRC test case 8.1.3.7	9.2.0	9.3.0
2012-03	RAN#55	R5s120070	0989	-	Addition of GCF WI-086 UTRAN-EUTRA Multi-Layer test case 13.1.4	9.2.0	9.3.0
2012-03	RAN#55	R5s120072	0979	-	Correction to EMM testcase 9.2.1.2.1b	9.2.0	9.3.0
2012-03	RAN#55	R5s120073	0980	-	Correction to EutraBand_Type	9.2.0	9.3.0
2012-03	RAN#55	R5s120074	0983	-	Addition of GCF WI-088 EUTRA-1xRTT RRC test case 8.1.3.10	9.2.0	9.3.0
2012-03	RAN#55	R5s120076	0987	-	Correction to ICMPv6 template in LTE/SAE ATS_12w k05	9.2.0	9.3.0
2012-03	RAN#55	R5s120077	0984	-	Correction to EMM testcases 9.2.3.1.17 and 9.2.3.1.19	9.2.0	9.3.0
2012-03	RAN#55	R5s120078	0988	-	Correction to EUTRA Idle Mode test case 6.1.1.2	9.2.0	9.3.0
2012-03	RAN#55	R5s120079	0986	-	Correction to GCF WI-082 EMM test case 9.2.1.2.3	9.2.0	9.3.0
2012-03	RAN#55	R5s120080	0985	-	Correction to GCF WI-082 ESM test case 10.8.7	9.2.0	9.3.0
2012-03	RAN#55	RP-120188	0902	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	9.2.0	9.3.0

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2012-06	RAN#56	R5-121777	0991	-	Update of Timing parameters of E-UTRAN TDD cells	9.3.0	9.4.0
2012-06	RAN#56	R5s120082	1156	-	Correction to EUTRA RRC test case 8.3.2.6	9.3.0	9.4.0
2012-06	RAN#56	R5s120083	1155	-	Correction to EUTRA MAC testcase 7.1.4.14	9.3.0	9.4.0
2012-06	RAN#56	R5s120084	1154	-	Correction to EMM testcase 9.2.1.1.25	9.3.0	9.4.0
2012-06	RAN#56	R5s120086	1153	-	Addition of GCF WI 86 Multilayer test case 13.1.15	9.3.0	9.4.0
2012-06	RAN#56	R5s120088	1152	-	Correction to EUTRA MAC test cases 7.1.4.7a	9.3.0	9.4.0
2012-06	RAN#56	R5s120089	1150	-	Correction to EMM testcase 9.2.3.1.23	9.3.0	9.4.0
2012-06	RAN#56	R5s120090	1149	-	Correction to EUTRA Idle mode test case 6.2.3.14	9.3.0	9.4.0
2012-06	RAN#56	R5s120091	1151	-	Correction to EUTRA Idle mode test case 6.2.3.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120095	1148	-	Correction to EUTRA testcases	9.3.0	9.4.0
2012-06	RAN#56	R5s120096	1147	-	Correction to EMM test case 9.2.3.2.17	9.3.0	9.4.0
2012-06	RAN#56	R5s120097	1146	-	Correction to LTE IRAT test cases	9.3.0	9.4.0
2012-06	RAN#56	R5s120098	1145	-	Correction to UTRAN Component in LTE ATS_12w k05	9.3.0	9.4.0
2012-06	RAN#56	R5s120099	1142	-	Correction to EUTRA Test Case 8.2.1.5 and 8.2.1.6	9.3.0	9.4.0
2012-06	RAN#56	R5s120100	1143	-	Correction to EUTRA EMM test case 9.2.1.2.11	9.3.0	9.4.0
2012-06	RAN#56	R5s120101	1144	-	Correction to DCI2 configuration	9.3.0	9.4.0
2012-06	RAN#56	R5s120102	1141	-	Addition of GCF WI-081 EUTRA Idle Mode test case 6.3.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120104	1139	-	Correction to GCF WI-082 EMM test case 9.2.3.1.17	9.3.0	9.4.0
2012-06	RAN#56	R5s120106	1140	-	Correction to GERAN paging group calculation in LTE ATS_12w k05	9.3.0	9.4.0
2012-06	RAN#56	R5s120109	1138	-	Addition of GCF WI-082 EMM test case 9.2.3.1.9	9.3.0	9.4.0
2012-06	RAN#56	R5s120111	1136	-	Addition of GCF WI-086 EUTRA -UTRAN test case 13.1.16	9.3.0	9.4.0
2012-06	RAN#56	R5s120113	1137	-	Addition of GCF WI-086 EUTRA <->UTRA testcase 13.4.2.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120115	1134	-	Addition of EUTRA Hybrid CSG Cell test case 6.4.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120117	1135	-	Addition of GCF WI-086 EUTRA <->UTRA testcase 13.1.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120119	1108	-	Regression CR for LTEw k09 ATS	9.3.0	9.4.0
2012-06	RAN#56	R5s120121	1133	-	Correction to TA transmission in w k09 TTCN	9.3.0	9.4.0
2012-06	RAN#56	R5s120122	1131	-	Correction to GCF WI-086 UTRAN-EUTRA test case 6.2.2.8	9.3.0	9.4.0
2012-06	RAN#56	R5s120124	1132	-	Correction to EUTRA RRC test case 8.1.1.3	9.3.0	9.4.0
2012-06	RAN#56	R5s120125	1130	-	Correction to EMM testcase 9.2.1.1.23, 9.2.3.2.4, 9.2.3.2.14, 9.2.3.2.2, 9.2.3.2.17	9.3.0	9.4.0
2012-06	RAN#56	R5s120127	1126	-	Correction to GCF WI-086 EUTRA-UTRAN test case 9.2.3.3.4	9.3.0	9.4.0
2012-06	RAN#56	R5s120129	1128	-	Correction to the implementation of SI 2 quarter message	9.3.0	9.4.0
2012-06	RAN#56	R5s120130	1129	-	Correction to WI-081 EUTRA Idle Mode Testcase 6.1.2.13	9.3.0	9.4.0
2012-06	RAN#56	R5s120132	1127	-	Correction to WI-086 EUTRA EMM Testcase 9.2.1.1.11	9.3.0	9.4.0
2012-06	RAN#56	R5s120133	1124	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.1.2.11	9.3.0	9.4.0
2012-06	RAN#56	R5s120134	1125	-	Correction to EUTRA Auxiliary Functions in LTE/SAE ATS_12w k09	9.3.0	9.4.0
2012-06	RAN#56	R5s120135	1123	-	Correction to GCF WI-081 EUTRA MAC test cases 7.1.7.x	9.3.0	9.4.0
2012-06	RAN#56	R5s120136	1120	-	Correction to EUTRA Idle Updated Teststep	9.3.0	9.4.0

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2012-06	RAN#56	R5s120137	1122	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.3.3.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120138	1121	-	Correction to GCF WI-86 EUTRA RRC Testcase 8.4.1.2 and 8.4.1.4	9.3.0	9.4.0
2012-06	RAN#56	R5s120139	1109	-	Addition of GCF WI-086 EUTRA <>UTRA testcase 13.3.2.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120141	1119	-	Correction to UTRAN function f_UTRAN_GMM_RAU	9.3.0	9.4.0
2012-06	RAN#56	R5s120142	1118	-	Correction to f_EUTRA_IdleUpdated_Step14_15	9.3.0	9.4.0
2012-06	RAN#56	R5s120143	1117	-	Correction to GCF WI-086 EUTRA-UTRAN test case 9.2.3.2.9	9.3.0	9.4.0
2012-06	RAN#56	R5s120144	1116	-	LTE_TDD: Addition of GCF WI-091 EUTRA MAC testcase 7.1.4.14	9.3.0	9.4.0
2012-06	RAN#56	R5s120146	1115	-	Addition of EUTRA Idle Mode testcase 6.1.2.7a	9.3.0	9.4.0
2012-06	RAN#56	R5s120148	1112	-	Addition of EUTRA Idle Mode testcase 6.1.2.8a	9.3.0	9.4.0
2012-06	RAN#56	R5s120150	1111	-	Addition of GCF WI-091 EUTRA Idle Mode testcase 6.1.2.9a	9.3.0	9.4.0
2012-06	RAN#56	R5s120152	1114	-	Addition of EUTRA Idle Mode testcase 6.1.1.2a	9.3.0	9.4.0
2012-06	RAN#56	R5s120154	1113	-	Addition of EUTRA Idle Mode testcase 6.1.1.3b	9.3.0	9.4.0
2012-06	RAN#56	R5s120156	1110	-	Addition of EMM EUTRA <>UTRA testcase 9.2.1.2.1d	9.3.0	9.4.0
2012-06	RAN#56	R5s120158	1106	-	Addition of EUTRA Idle Mode testcase 6.1.1.6a	9.3.0	9.4.0
2012-06	RAN#56	R5s120160	1107	-	Addition of EUTRA Idle Mode testcase 6.1.1.1b	9.3.0	9.4.0
2012-06	RAN#56	R5s120162	1105	-	Correction to EMM test case 9.2.1.2.15	9.3.0	9.4.0
2012-06	RAN#56	R5s120165	1102	-	LTE_TDD: Addition of GCF WI-097 EUTRA Idle mode test case 6.2.1.4	9.3.0	9.4.0
2012-06	RAN#56	R5s120167	1103	-	LTE_TDD: Addition of GCF WI-097 EUTRA Idle mode test case 6.2.2.6	9.3.0	9.4.0
2012-06	RAN#56	R5s120169	1104	-	LTE_TDD: Addition of GCF WI-097 EUTRA Idle mode test case 6.2.3.14	9.3.0	9.4.0
2012-06	RAN#56	R5s120173	1101	-	LTE_TDD: Addition of EUTRA Idle mode test case 6.1.1.3b	9.3.0	9.4.0
2012-06	RAN#56	R5s120175	1100	-	LTE_TDD: Addition of EUTRA Idle mode test case 6.1.2.7a	9.3.0	9.4.0
2012-06	RAN#56	R5s120178	1032	-	Baseline upgrade of LTE ATS to March-12 in Rel-10	9.3.0	9.4.0
2012-06	RAN#56	R5s120179	1099	-	LTE_TDD: Addition of GCF WI-097 EUTRA Idle mode test case 6.2.1.6	9.3.0	9.4.0
2012-06	RAN#56	R5s120181	1097	-	LTE_TDD: Addition of GCF WI-097 EUTRA Idle mode test case 6.2.2.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120183	1098	-	LTE_TDD: Addition of GCF WI-097 EUTRA Idle mode test case 6.2.3.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120185	1093	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.2.1.1.12	9.3.0	9.4.0
2012-06	RAN#56	R5s120187	1094	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.2.3.1.10	9.3.0	9.4.0
2012-06	RAN#56	R5s120189	1095	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.2.3.1.11	9.3.0	9.4.0
2012-06	RAN#56	R5s120191	1096	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.2.3.1.12	9.3.0	9.4.0
2012-06	RAN#56	R5s120193	1091	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.3.1.4	9.3.0	9.4.0
2012-06	RAN#56	R5s120195	1092	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.3.1.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120197	1090	-	Correction to EUTRA test case 7.1.4.12	9.3.0	9.4.0
2012-06	RAN#56	R5s120198	1089	-	Addition of GCF WI 81 EUTRA MAC test case 7.1.4.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120200	1088	-	Correction to EUTRA test case 7.1.3.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120201	1087	-	Correction to GCF WI-081 EUTRA RRC test case 8.2.1.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120202	1085	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.2.1.1.11	9.3.0	9.4.0
2012-06	RAN#56	R5s120204	1086	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.2.3.1.18	9.3.0	9.4.0

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2012-06	RAN#56	R5s120206	1084	-	Update of default bandwidth for signalling conformance tests in E-UTRA band 11 + 18	9.3.0	9.4.0
2012-06	RAN#56	R5s120207	1083	-	Correction to GCF WI-081 RLC test case 7.2.3.21	9.3.0	9.4.0
2012-06	RAN#56	R5s120208	1082	-	Correction to EUTRA test case 8.1.3.8	9.3.0	9.4.0
2012-06	RAN#56	R5s120209	1081	-	Correction to GCF WI-085 Interband test case 8.2.4.9	9.3.0	9.4.0
2012-06	RAN#56	R5s120210	1080	-	Correction to EMM testcase 9.2.3.3.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120211	1079	-	Correction to GCF WI-082 EMM test case 9.2.3.1.26	9.3.0	9.4.0
2012-06	RAN#56	R5s120212	1078	-	Correction to EMM testcase 9.2.3.2.1a	9.3.0	9.4.0
2012-06	RAN#56	R5s120213	1077	-	Correction to EMM test case 9.2.2.1.8	9.3.0	9.4.0
2012-06	RAN#56	R5s120214	1076	-	LTE_TDD: Addition of GCF WI-091 EUTRA MAC testcase 7.1.3.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120216	1075	-	Correction to GCF WI-082 EMM test case 9.2.3.1.16	9.3.0	9.4.0
2012-06	RAN#56	R5s120218	1074	-	Addition of GCF WI-087 EMM testcase 9.2.3.4.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120220	1073	-	Correction to the template cs_508_UplinkPowerControlDedicated_Default	9.3.0	9.4.0
2012-06	RAN#56	R5s120221	1070	-	Addition of GCF WI-087 EUTRA - GERAN test case 6.2.3.15	9.3.0	9.4.0
2012-06	RAN#56	R5s120223	1072	-	Correction to default Packet Application type	9.3.0	9.4.0
2012-06	RAN#56	R5s120224	1071	-	Correction to GCF WI-082 EMM test case 9.2.3.1.9	9.3.0	9.4.0
2012-06	RAN#56	R5s120227	1069	-	Correction to EUTRA test case 6.1.1.4	9.3.0	9.4.0
2012-06	RAN#56	R5s120228	1068	-	Addition of EMM EUTRA ↔UTRA testcase 9.2.3.2.1c	9.3.0	9.4.0
2012-06	RAN#56	R5s120230	1067	-	Addition of GCF WI-082 EMM test case 9.2.3.1.20	9.3.0	9.4.0
2012-06	RAN#56	R5s120232	1066	-	Addition of GCF WI-082 EMM test case 9.2.3.2.16	9.3.0	9.4.0
2012-06	RAN#56	R5s120234	1064	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.1.2.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120236	1063	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.1.2.6	9.3.0	9.4.0
2012-06	RAN#56	R5s120238	1062	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.1.2.7	9.3.0	9.4.0
2012-06	RAN#56	R5s120240	1061	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.1.2.15	9.3.0	9.4.0
2012-06	RAN#56	R5s120243	1065	-	Correction to EUTRA-HRPD test case 6.2.3.8	9.3.0	9.4.0
2012-06	RAN#56	R5s120244	1060	-	Addition of GCF WI-087 EUTRA RRC testcase 8.3.2.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120246	1059	-	LTE_TDD: Addition of GCF WI-097 EUTRA RRC testcase 8.3.2.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120248	1058	-	LTE_TDD: Addition of GCF WI-097 EUTRA RRC testcase 8.3.2.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120250	1047	-	Correction to GCF WI-081 EUTRA test case 8.5.4.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120251	1057	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.3.2.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120253	1055	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.3.2.6	9.3.0	9.4.0
2012-06	RAN#56	R5s120255	1056	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.3.2.7	9.3.0	9.4.0
2012-06	RAN#56	R5s120257	1054	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.1.2.9	9.3.0	9.4.0
2012-06	RAN#56	R5s120259	1053	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.1.2.11	9.3.0	9.4.0
2012-06	RAN#56	R5s120261	1052	-	Correction to EMM testcase 9.2.3.2.17	9.3.0	9.4.0
2012-06	RAN#56	R5s120262	1051	-	Correction to EMM testcase 9.2.1.1.18	9.3.0	9.4.0
2012-06	RAN#56	R5s120263	1049	-	Correction to EMM testcase 9.2.2.1.10	9.3.0	9.4.0
2012-06	RAN#56	R5s120264	1050	-	Correction to EMM testcase 9.2.3.1.25, 9.2.3.1.26, 9.2.1.1.23, 9.3.1.4, 9.3.1.5 and 9.3.1.6	9.3.0	9.4.0



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2012-06	RAN#56	R5s120265	1048	-	Correction to EMM test cases 9.2.3.1.9, 9.2.1.2.1b, 9.2.2.1.4 and 9.2.3.2.1b	9.3.0	9.4.0
2012-06	RAN#56	R5s120266	1045	-	Correction of GCF WI 86 Multilayer test case 13.1.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120271	1046	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.3.3.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120274	1044	-	Correction to EMM Test Cases	9.3.0	9.4.0
2012-06	RAN#56	R5s120275	1043	-	LTE_TDD: Addition of EUTRA Idle mode test case 6.1.1.1b	9.3.0	9.4.0
2012-06	RAN#56	R5s120277	1042	-	LTE_TDD: Addition of EUTRA Idle mode test case 6.1.2.8a	9.3.0	9.4.0
2012-06	RAN#56	R5s120279	1041	-	LTE_TDD: Addition of EUTRA Idle mode test case 6.1.2.9a	9.3.0	9.4.0
2012-06	RAN#56	R5s120281	1039	-	LTE_TDD: Addition of EUTRA Idle mode test case 6.1.1.2a	9.3.0	9.4.0
2012-06	RAN#56	R5s120283	1040	-	LTE_TDD: Addition of EUTRA Idle mode test case 6.1.1.6a	9.3.0	9.4.0
2012-06	RAN#56	R5s120287	1038	-	Addition of GCF WI-087 EUTRA - GERAN test case 6.2.3.16	9.3.0	9.4.0
2012-06	RAN#56	R5s120289	1037	-	Correction to Timing Calculation on EUTRA Cells	9.3.0	9.4.0
2012-06	RAN#56	R5s120290	1036	-	Correction for SIB 7 default contents	9.3.0	9.4.0
2012-06	RAN#56	R5s120291	1035	-	Correction to GCF WI-082 EMM test case 9.2.3.1.16	9.3.0	9.4.0
2012-06	RAN#56	R5s120292	1034	-	LTE_TDD: Addition of EUTRA RRC test case 8.1.2.9	9.3.0	9.4.0
2012-06	RAN#56	R5s120294	1033	-	Correction to template cdr_RRC_ConnReqWith_v860ext	9.3.0	9.4.0
2012-06	RAN#56	R5s120295	1031	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.2.3.1.17	9.3.0	9.4.0
2012-06	RAN#56	R5s120297	1030	-	Correction to EUTRA MAC test case 7.1.4.10	9.3.0	9.4.0
2012-06	RAN#56	R5s120298	1029	-	Correction to GCF WI-082 EUTRA CSG Testcase 9.2.3.1.9	9.3.0	9.4.0
2012-06	RAN#56	R5s120301	1028	-	Addition of GCF WI 86 Multilayer test case 13.1.3	9.3.0	9.4.0
2012-06	RAN#56	R5s120303	1027	-	Correction for GERAN message definitions	9.3.0	9.4.0
2012-06	RAN#56	R5s120304	1026	-	Correction to GCF WI-081 EUTRA MAC testcase 7.1.8.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120305	1025	-	Correction for EMM testcase 9.2.3.1.22	9.3.0	9.4.0
2012-06	RAN#56	R5s120306	1024	-	LTE_TDD: Addition of GCF WI-097 EUTRA - GERAN test case 6.2.3.15	9.3.0	9.4.0
2012-06	RAN#56	R5s120308	1023	-	Addition of GCF WI 86 Multilayer test case 13.4.2.4	9.3.0	9.4.0
2012-06	RAN#56	R5s120310	1022	-	Correction to EUTRA test case 8.3.2.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120312	1021	-	Correction to GCF WI-086 EUTRA Multilayer Testcase 13.4.2.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120313	1017	-	Correction to GCF WI-081 EUTRA MAC Testcase 7.1.4.12	9.3.0	9.4.0
2012-06	RAN#56	R5s120314	1018	-	Correction to GCF WI-081 EUTRA EPC testcase 9.2.1.1.2 and 9.2.2.1.8	9.3.0	9.4.0
2012-06	RAN#56	R5s120315	1019	-	Correction to GCF WI-089 EUTRA RRC Testcase 8.3.2.6	9.3.0	9.4.0
2012-06	RAN#56	R5s120316	1020	-	Correction to GCF WI-081 EUTRA MAC SPS testcase 7.1.4.2	9.3.0	9.4.0
2012-06	RAN#56	R5s120317	1015	-	Correction to GCF WI-086 EUTRA Multilayer Testcase 13.4.2.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120318	1016	-	Correction to EUTRA Idle Mode Testcase 6.1.2.8a and 6.1.2.9a	9.3.0	9.4.0
2012-06	RAN#56	R5s120320	1014	-	Correction to EMM test case 9.2.3.3.1	9.3.0	9.4.0
2012-06	RAN#56	R5s120321	1013	-	Correction to UTRA SIB19 for IE "qRxLevMinEUTRA"	9.3.0	9.4.0
2012-06	RAN#56	R5s120322	1012	-	Correction of EUTRA Idle Mode Testcase 6.1.1.1b	9.3.0	9.4.0
2012-06	RAN#56	R5s120323	1011	-	Correction for GERAN SI2Quarter message content	9.3.0	9.4.0
2012-06	RAN#56	R5s120325	1010	-	Correction to GCF WI-087 EUTRA EMM Testcase 9.2.1.2.9	9.3.0	9.4.0

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2012-06	RAN#56	R5s120326	1009	-	Correction to GCF WI-082 EUTRA CSG Testcase 9.2.1.1.18	9.3.0	9.4.0
2012-06	RAN#56	R5s120327	1007	-	Correction of GCF WI-082 EUTRA EMM Testcase 9.2.3.2.4	9.3.0	9.4.0
2012-06	RAN#56	R5s120328	1008	-	Correction of GCF WI-086 EUTRA EMM Testcase 9.2.3.3.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120329	1006	-	Addition of GCF WI-082 EUTRA CSG Testcase 9.3.1.18	9.3.0	9.4.0
2012-06	RAN#56	R5s120334	1005	-	Correction to the Band applicability of single frequency operation test cases	9.3.0	9.4.0
2012-06	RAN#56	R5s120335	1004	-	LTE_TDD: Addition of GCF WI-097 Idle mode test case 6.2.3.16	9.3.0	9.4.0
2012-06	RAN#56	R5s120338	1003	-	Correction to GCF WI-082 EUTRA CSG Testcase 9.2.1.1.18	9.3.0	9.4.0
2012-06	RAN#56	R5s120339	1001	-	Correction to GCF WI-087 EUTRA EMM Testcase 9.2.1.2.8	9.3.0	9.4.0
2012-06	RAN#56	R5s120340	1002	-	LTE_TDD: Addition of GCF WI-092 EMM test case 9.2.3.1.15	9.3.0	9.4.0
2012-06	RAN#56	R5s120342	1000	-	Correction to GCF WI-086 EUTRA Multilayer Testcase 13.1.5	9.3.0	9.4.0
2012-06	RAN#56	R5s120344	0999	-	Correction to GCF WI-081 EUTRA MAC SPS testcase 7.1.4.14	9.3.0	9.4.0
2012-06	RAN#56	R5s120345	0998	-	Correction to GCF WI-091 EUTRA RLC test cases 7.2.3.10 and 7.2.3.13	9.3.0	9.4.0
2012-06	RAN#56	R5s120346	0997	-	Correction to EMM test case 9.2.1.2.1d	9.3.0	9.4.0
2012-06	RAN#56	R5s120347	0996	-	Correction to EMM test case 9.2.1.1.7	9.3.0	9.4.0
2012-06	RAN#56	RP-120653	0995	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	9.3.0	9.4.0
2012-06	RAN#56	R5-121779	0992	-	36523-3 routine maintenance and updates	9.4.0	10.0.0
2012-06	RAN#56	R5-121850	0993	-	Correction to Postamble Procedure for E-UTRAN to GERAN tests	9.4.0	10.0.0
2012-06	RAN#56	R5-122121	0994	-	Add new guidelines for TC executions	9.4.0	10.0.0
2012-09	RAN#57	R5-123081	1157	-	Update the guidelines for TC executions	10.0.0	10.1.0
2012-09	RAN#57	R5-123245	1158	-	Correction to postamble procedure of EUTRAN-GERAN test cases	10.0.0	10.1.0
2012-09	RAN#57	R5-123310	1159	-	Removal of technical content in 36.523-3 v9.4.0 and substitution with pointer to the next Release	10.0.0	10.1.0
2012-09	RAN#57	R5-123740	1160	-	36523-3: Routine maintenance and updates	10.0.0	10.1.0
2012-09	RAN#57	R5s120348	1161	-	Addition of Rel-9 EUTRA RRC test case 8.1.2.14	10.0.0	10.1.0
2012-09	RAN#57	R5s120350	1162	-	Addition of GCF WI-087 EUTRA-GERAN test case 6.2.3.21	10.0.0	10.1.0
2012-09	RAN#57	R5s120352	1163	-	LTE_TDD : Addition of GCF WI-091 EUTRA MAC Testcase 7.1.6.1	10.0.0	10.1.0
2012-09	RAN#57	R5s120354	1164	-	LTE_TDD : Addition of GCF WI-091 EUTRA MAC Testcase 7.1.6.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120356	1165	-	Correction to EMM test case 9.2.3.4.1	10.0.0	10.1.0
2012-09	RAN#57	R5s120357	1166	-	Correction to GERAN paging group calculation	10.0.0	10.1.0
2012-09	RAN#57	R5s120358	1167	-	Addition of GCF WI 86 EMM test case 9.2.3.3.5a	10.0.0	10.1.0
2012-09	RAN#57	R5s120360	1168	-	Enhanced decoding of GERAN Types in LTE/SAE ATS	10.0.0	10.1.0
2012-09	RAN#57	R5s120361	1169	-	Correction to Manual PLMN Selection after Switch On in LTE/SAE ATS	10.0.0	10.1.0
2012-09	RAN#57	R5s120366	1170	-	Correction to template "cds_DL_CommonInformation_CompressedMode_FDD" in LTE/SAE ATS	10.0.0	10.1.0
2012-09	RAN#57	R5s120367	1171	-	Addition of GCF WI-082 EMM CSG test case 9.2.1.2.14	10.0.0	10.1.0
2012-09	RAN#57	R5s120369	1172	-	Correction to EUTRA MAC test case 7.1.1.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120370	1173	-	Correction to EUTRA MAC test case 7.1.4.7a	10.0.0	10.1.0
2012-09	RAN#57	R5s120371	1174	-	Correction to DRX parameter in the Tracking Area Update Request message	10.0.0	10.1.0

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2012-09	RAN#57	R5s120372	1175	-	Addition of GCF WI-087 EUTRA testcase 8.4.3.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120374	1176	-	Addition of GCF WI-087 EUTRA testcase 8.4.3.3	10.0.0	10.1.0
2012-09	RAN#57	R5s120377	1177	-	Correction to EUTRA SIB 6 content for combination C10	10.0.0	10.1.0
2012-09	RAN#57	R5s120378	1178	-	Addition of GCF WI-086 EUTRA -UTRAN test case 9.2.3.3.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120380	1179	-	Correction to EMM test case 9.3.1.18	10.0.0	10.1.0
2012-09	RAN#57	R5s120381	1180	-	Addition of GCF WI 86 LTE<>UTRAN test case 9.2.3.3.3	10.0.0	10.1.0
2012-09	RAN#57	R5s120383	1181	-	Correction to Uplink F4 Frequencyfor EUTRA Band 5	10.0.0	10.1.0
2012-09	RAN#57	R5s120386	1182	-	LTE_TDD : Addition of GCF WI-097 EUTRA EMM Testcase 9.2.1.2.8	10.0.0	10.1.0
2012-09	RAN#57	R5s120390	1183	-	LTE_TDD : Addition of GCF WI-097 EUTRA EMM Testcase 9.2.3.2.9	10.0.0	10.1.0
2012-09	RAN#57	R5s120393	1184	-	Addition of Rel9 EUTRA RRC Testcase 8.2.1.8	10.0.0	10.1.0
2012-09	RAN#57	R5s120395	1185	-	LTE_TDD : Addition of Rel9 EUTRA RRC Testcase 8.1.2.14	10.0.0	10.1.0
2012-09	RAN#57	R5s120397	1186	-	Addition of GCF WI-086 EUTRA <>UTRA HSPA Handover Testcase 8.4.1.5	10.0.0	10.1.0
2012-09	RAN#57	R5s120399	1187	-	LTE_TDD: Addition of Rel9 EUTRA RRC Testcase 8.2.1.8	10.0.0	10.1.0
2012-09	RAN#57	R5s120401	1188	-	LTE_TDD: Addition of GCF WI-097 EUTRA test case 6.2.3.21	10.0.0	10.1.0
2012-09	RAN#57	R5s120403	1189	-	Addition of GCF WI-088 EUTRA Idle Mode Testcase 6.2.3.7	10.0.0	10.1.0
2012-09	RAN#57	R5s120405	1190	-	LTE_TDD: Addition of GCF WI-096 EUTRA test case 8.3.2.3	10.0.0	10.1.0
2012-09	RAN#57	R5s120407	1191	-	Addition of GCF WI-088 EUTRA <>CDMA200 1XRTT Testcase 6.2.3.9	10.0.0	10.1.0
2012-09	RAN#57	R5s120409	1192	-	Addition of EMM testcase 9.2.1.1.1b	10.0.0	10.1.0
2012-09	RAN#57	R5s120411	1193	-	Addition of EMM testcase 9.2.1.1.13a	10.0.0	10.1.0
2012-09	RAN#57	R5s120413	1194	-	Addition of EMM testcase 9.2.1.1.15a	10.0.0	10.1.0
2012-09	RAN#57	R5s120415	1195	-	Addition of EMM testcase 9.2.1.1.16a	10.0.0	10.1.0
2012-09	RAN#57	R5s120417	1196	-	Addition of EMM testcase 9.2.3.1.18a	10.0.0	10.1.0
2012-09	RAN#57	R5s120419	1197	-	Addition of EMM testcase 9.2.1.1.7a	10.0.0	10.1.0
2012-09	RAN#57	R5s120421	1198	-	Addition of EMM testcase 9.2.3.1.15a	10.0.0	10.1.0
2012-09	RAN#57	R5s120423	1199	-	Addition of GCF WI-087 EUTRA - GERAN test case 6.2.3.17	10.0.0	10.1.0
2012-09	RAN#57	R5s120425	1200	-	Addition of GCF WI-087 EUTRA - GERAN test case 6.2.3.18	10.0.0	10.1.0
2012-09	RAN#57	R5s120427	1201	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.1.2.1b	10.0.0	10.1.0
2012-09	RAN#57	R5s120431	1202	-	Addition of Rel 9 EUTRA RRC Interband Testcase 8.2.4.13	10.0.0	10.1.0
2012-09	RAN#57	R5s120433	1203	-	Addition of Rel9 EUTRA RRC Interband Testcase 8.1.3.11	10.0.0	10.1.0
2012-09	RAN#57	R5s120436	1204	-	Addition of Rel-9 EUTRA-HRPD Idle Mode test case 6.2.3.7a	10.0.0	10.1.0
2012-09	RAN#57	R5s120440	1205	-	Correction to GCF WI-086 EMM test case 9.2.3.3.4	10.0.0	10.1.0
2012-09	RAN#57	R5s120442	1206	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.1.2.13	10.0.0	10.1.0
2012-09	RAN#57	R5s120446	1207	-	LTE_TDD: Addition of Rel9 EUTRA RRC Interband Testcase 8.1.3.11	10.0.0	10.1.0
2012-09	RAN#57	R5s120448	1208	-	LTE_TDD: Addition of Rel 9 EUTRA RRC Interband Testcase 8.2.4.13	10.0.0	10.1.0
2012-09	RAN#57	R5s120450	1209	-	Addition of Rel9 EUTRA RRC Interband Testcase 8.1.3.12	10.0.0	10.1.0
2012-09	RAN#57	R5s120452	1210	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.3.2.8	10.0.0	10.1.0
2012-09	RAN#57	R5s120455	1211	-	Correction to GCF WI-086 EUTRA-UTRAN Multi-layer test case 13.1.4	10.0.0	10.1.0

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2012-09	RAN#57	R5s120456	1212	-	Addition of Rel9 EUTRA RRC Interband Testcase 8.2.4.15	10.0.0	10.1.0
2012-09	RAN#57	R5s120458	1213	-	Addition of GCF WI-086 EUTRA EMM Testcase 9.2.1.2.1c	10.0.0	10.1.0
2012-09	RAN#57	R5s120461	1214	-	Correction to EMM test case 9.2.1.2.1d	10.0.0	10.1.0
2012-09	RAN#57	R5s120462	1215	-	Correction to f_UTRAN_PhyChReconf_InterRatCompressedModeActivate	10.0.0	10.1.0
2012-09	RAN#57	R5s120463	1216	-	Correction to EMM test case 9.2.3.1.4	10.0.0	10.1.0
2012-09	RAN#57	R5s120464	1217	-	Correction to EMM test case 9.2.1.1.24	10.0.0	10.1.0
2012-09	RAN#57	R5s120465	1218	-	Addition of GCF WI-088 EUTRA <-> CDMA200 1XRTT RRC Testcase 8.3.2.9	10.0.0	10.1.0
2012-09	RAN#57	R5s120469	1219	-	Correction to function f_EUTRA_Capability in LTE/SAE ATS	10.0.0	10.1.0
2012-09	RAN#57	R5s120470	1220	-	Correction to usage of IP packets in EUTRA Test Mode B for IPv6-only UEs	10.0.0	10.1.0
2012-09	RAN#57	R5s120473	1221	-	Addition of Rel 9 EUTRA RRC Interband Testcase 8.2.4.14	10.0.0	10.1.0
2012-09	RAN#57	R5s120475	1222	-	Correction to GCF WI-081 EUTRA MAC DRX testcase 7.1.6.1	10.0.0	10.1.0
2012-09	RAN#57	R5s120476	1223	-	Correction for GERAN SI2Quater message content	10.0.0	10.1.0
2012-09	RAN#57	R5s120477	1224	-	Correction to EUTRA Idle mode test case 6.2.2.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120478	1225	-	Correction to GCF WI-086 EMM Testcase 9.2.3.3.5	10.0.0	10.1.0
2012-09	RAN#57	R5s120479	1226	-	Correction to ESM testcases 10.8.5 and 10.8.6	10.0.0	10.1.0
2012-09	RAN#57	R5s120480	1227	-	Correction to function f_EUTRA_RmvFbdnPLMN and CSG test cases	10.0.0	10.1.0
2012-09	RAN#57	R5s120481	1228	-	Correction to Multilayer test case 13.4.2.4	10.0.0	10.1.0
2012-09	RAN#57	R5s120482	1229	-	Correction to EMM test case 9.2.3.3.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120483	1230	-	Correction GCF WI-082 EUTRA EMM Testcase 9.2.3.1.23	10.0.0	10.1.0
2012-09	RAN#57	R5s120484	1231	-	Correction GCF WI-086 EUTRA EMM Testcase 9.2.3.2.9	10.0.0	10.1.0
2012-09	RAN#57	R5s120485	1232	-	Correction GCF WI-086 EUTRA Multilayer Testcase 13.1.3	10.0.0	10.1.0
2012-09	RAN#57	R5s120486	1233	-	Correction GCF WI-086 EUTRA EMM Testcase 9.2.3.2.1c	10.0.0	10.1.0
2012-09	RAN#57	R5s120487	1234	-	Correction GCF WI-081 EUTRA MAC Testcase 7.1.4.12	10.0.0	10.1.0
2012-09	RAN#57	R5s120488	1235	-	Correction to EUTRA RRC test case 8.5.4.1	10.0.0	10.1.0
2012-09	RAN#57	R5s120489	1236	-	Correction GCF WI-086 EUTRA Idle Mode Testcase 6.2.1.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120490	1237	-	Addition of GCF WI-086 EUTRA-UTRAN test case 8.4.2.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120492	1238	-	LTE_TDD: Addition of Rel 9 EUTRA RRC Interband Testcase 8.2.4.14	10.0.0	10.1.0
2012-09	RAN#57	R5s120494	1239	-	Correction for GERAN Packet Uplink Assignment template	10.0.0	10.1.0
2012-09	RAN#57	R5s120497	1240	-	Correction to EUTRA RRC test case 8.1.3.7	10.0.0	10.1.0
2012-09	RAN#57	R5s120498	1241	-	Addition of GCF WI-087 Multi-layer test case 13.1.7	10.0.0	10.1.0
2012-09	RAN#57	R5s120500	1242	-	Addition of EUTRA Multi-layer test case 13.1.8	10.0.0	10.1.0
2012-09	RAN#57	R5s120502	1243	-	Addition of GCF WI-087 EUTRA - GERAN test case 6.2.3.19	10.0.0	10.1.0
2012-09	RAN#57	R5s120504	1244	-	Addition of GCF WI-087 Multi-layer test case 13.1.9	10.0.0	10.1.0
2012-09	RAN#57	R5s120506	1245	-	Correction to Rel9 EUTRA RRC testcase 8.2.1.8	10.0.0	10.1.0
2012-09	RAN#57	R5s120507	1246	-	Correction to EMM test case 9.2.1.2.13	10.0.0	10.1.0
2012-09	RAN#57	R5s120508	1247	-	Correction to EMM test case 9.1.5.1	10.0.0	10.1.0
2012-09	RAN#57	R5s120509	1248	-	Addition of GCF WI-087 Multi-layer test case 13.1.10	10.0.0	10.1.0

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2012-09	RAN#57	R5s120511	1249	-	Correction to f_UT_ConfigureCombinedAttach and f_UT_ConfigureEPSAttach	10.0.0	10.1.0
2012-09	RAN#57	R5s120515	1250	-	Addition of GCF WI-087 Multi-layer test case 6.2.3.20	10.0.0	10.1.0
2012-09	RAN#57	R5s120517	1251	-	Addition of Rel9 EUTRA<>CDMA2000 1xRTT Testcase 6.2.3.9a	10.0.0	10.1.0
2012-09	RAN#57	R5s120519	1252	-	Correction to GERAN Type Defs in LTE/SAE ATS	10.0.0	10.1.0
2012-09	RAN#57	R5s120520	1253	-	Correction to initial 'Power Off' MMI command in LTE/SAE ATS	10.0.0	10.1.0
2012-09	RAN#57	R5s120521	1254	-	Addition of GCF WI-087 EUTRA - GERAN test case 6.2.3.24	10.0.0	10.1.0
2012-09	RAN#57	R5s120523	1255	-	Correction to function f_SelectionExpr	10.0.0	10.1.0
2012-09	RAN#57	R5s120524	1256	-	Addition of Rel9 EUTRA<>CDMA2000 1xRTT Testcase 6.2.3.10a	10.0.0	10.1.0
2012-09	RAN#57	R5s120527	1257	-	Correction to GCF WI-087 testcase 6.2.3.16	10.0.0	10.1.0
2012-09	RAN#57	R5s120528	1258	-	Correction to Selection Expression for EMM test case 9.2.3.2.4 and 9.2.1.2.4	10.0.0	10.1.0
2012-09	RAN#57	R5s120529	1259	-	Correction of GCF WI-086 EMM test case 9.2.3.2.1a	10.0.0	10.1.0
2012-09	RAN#57	R5s120531	1260	-	Correction to multiLayer test case 13.1.3	10.0.0	10.1.0
2012-09	RAN#57	R5s120532	1261	-	Correction to EMM test case 9.2.3.3.5a	10.0.0	10.1.0
2012-09	RAN#57	R5s120533	1262	-	Correction to WI-086 EUTRA-UTRAN EMM Testcase 9.2.3.2.14	10.0.0	10.1.0
2012-09	RAN#57	R5s120534	1263	-	Correction to function fI_EUTRA_CheckNoAttach_Common	10.0.0	10.1.0
2012-09	RAN#57	R5s120535	1264	-	Addition of GCF WI-086 UTRA<>EUTRA HSPA Handover Testcase 8.4.2.4	10.0.0	10.1.0
2012-09	RAN#57	R5s120551	1265	-	Correction to GCF WI-086 RRC test case 8.4.1.5	10.0.0	10.1.0
2012-09	RAN#57	R5s120552	1266	-	Addition of GCF WI-089 EUTRA test case 8.3.2.5	10.0.0	10.1.0
2012-09	RAN#57	R5s120554	1267	-	Addition of Rel-9 EUTRA-HRPD Idle Mode test case 6.2.3.8a	10.0.0	10.1.0
2012-09	RAN#57	R5s120556	1268	-	LTE_TDD: Addition of GCF WI-097 EUTRA Idle Mode testcase 6.2.3.17	10.0.0	10.1.0
2012-09	RAN#57	R5s120558	1269	-	LTE_TDD: Addition of GCF WI-097 EUTRA Idle Mode testcase 6.2.3.18	10.0.0	10.1.0
2012-09	RAN#57	R5s120560	1270	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.3.2.11	10.0.0	10.1.0
2012-09	RAN#57	R5s120562	1271	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.3.4.1	10.0.0	10.1.0
2012-09	RAN#57	R5s120564	1272	-	Correction to GCF WI-086 EUTRA-UTRAN test case 9.2.2.1.10	10.0.0	10.1.0
2012-09	RAN#57	R5s120565	1273	-	Correction to EUTRA RRC test case 8.1.3.7	10.0.0	10.1.0
2012-09	RAN#57	R5s120566	1274	-	Correction to applicability for test case 6.1.2.15	10.0.0	10.1.0
2012-09	RAN#57	R5s120567	1275	-	Correction to EMM test case 9.2.3.4.1	10.0.0	10.1.0
2012-09	RAN#57	R5s120568	1276	-	Addition of GCF WI-089 EUTRA test case 6.2.1.1	10.0.0	10.1.0
2012-09	RAN#57	R5s120570	1277	-	Addition of GCF WI-087 LTE<>GERAN Multilayer Testcase 13.3.2.2	10.0.0	10.1.0
2012-09	RAN#57	R5s120572	1278	-	Correction EUTRA<>GERAN Testcases using Multiple GERAN Cell	10.0.0	10.1.0
2012-09	RAN#57	R5s120573	1279	-	Correction to EUTRA<>UTRA Band IX Testcases	10.0.0	10.1.0
2012-09	RAN#57	R5s120574	1280	-	Correction to GCF WI-087 EUTRA EMM test case 9.2.3.2.13	10.0.0	10.1.0
2012-09	RAN#57	R5s120575	1281	-	Correction to EMM test cases 9.3.1.4, 9.3.1.5, 9.3.1.6	10.0.0	10.1.0
2012-09	RAN#57	R5s120576	1282	-	Correction for function fI_ConvertPLMN	10.0.0	10.1.0
2012-09	RAN#57	R5s120579	1283	-	Correction to GCF WI-087 EUTRA EMM test case 9.2.3.2.8	10.0.0	10.1.0
2012-09	RAN#57	R5s120580	1284	-	LTE_TDD: Addition of EUTRA test case 8.1.3.12	10.0.0	10.1.0
2012-09	RAN#57	R5s120582	1285	-	LTE_TDD: Addition of EUTRA test case 8.2.4.15	10.0.0	10.1.0

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2012-09	RAN#57	R5s120584	1286	-	Correction to EUTRA EMM testcase 9.2.3.3.5a	10.0.0	10.1.0
2012-09	RAN#57	R5s120585	1287	-	Correction to GCF WI-082 EMM testcases 9.2.3.1.10, 9.2.3.1.11, 9.2.3.1.12 and 9.2.3.1.16	10.0.0	10.1.0
2012-09	RAN#57	R5s120586	1288	-	Correction to Common IRAT NAS templates in LTE/SAE ATS	10.0.0	10.1.0
2012-09	RAN#57	R5s120587	1289	-	Correction to LTE<>GERAN test cases	10.0.0	10.1.0
2012-09	RAN#57	R5s120588	1290	-	LTE_TDD: Addition of GCF WI-097 EUTRA test case 6.2.3.19	10.0.0	10.1.0
2012-09	RAN#57	R5s120590	1291	-	LTE_TDD: Addition of GCF WI-097 EUTRA test case 6.2.3.20	10.0.0	10.1.0
2012-09	RAN#57	R5s120592	1292	-	LTE_TDD: Addition of GCF WI-097 Multilayer test case 13.1.7	10.0.0	10.1.0
2012-09	RAN#57	R5s120594	1293	-	LTE_TDD: Addition of GCF WI-097 Multilayer test case 13.1.8	10.0.0	10.1.0
2012-09	RAN#57	R5s120600	1294	-	Correction to GCF WI-087 EUTRA Multilayer testcase 13.1.9	10.0.0	10.1.0
2012-09	RAN#57	R5s120602	1295	-	Correction for GERAN cell selection parameters	10.0.0	10.1.0
2012-09	RAN#57	R5s120604	1296	-	Correction to GCF WI-086 EMM test case 9.2.3.3.3	10.0.0	10.1.0
2012-09	RAN#57	RP-121107	1297	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	10.0.0	10.1.0
2012-12	RAN#58	R5-125091	1298	-	Correction to system information scheduling in section 7.7.2	10.1.0	10.2.0
2012-12	RAN#58	R5-125093	1299	-	Correction to delay after RRC CONN REL in section 7.18	10.1.0	10.2.0
2012-12	RAN#58	R5-125127	1300	-	Update guidelines for TC executions	10.1.0	10.2.0
2012-12	RAN#58	R5-125133	1301	-	New PIXIT to minimize loopback delay	10.1.0	10.2.0
2012-12	RAN#58	R5-125278	1302	-	Change of default value for px_RRC_CipheringAlgorithm	10.1.0	10.2.0
2012-12	RAN#58	R5-125755	1303	-	36523-3: Routine maintenance and updates	10.1.0	10.2.0
2012-12	RAN#58	R5s120597	1304	-	Correction to UT function for "UE Switch On" in LTE/SAE ATS	10.1.0	10.2.0
2012-12	RAN#58	R5s120611	1305	-	LTE_TDD: Addition of GCF WI-091 EUTRA Idle mode testcase 6.1.1.6	10.1.0	10.2.0
2012-12	RAN#58	R5s120613	1306	-	LTE_TDD: Addition of GCF WI-091 EUTRA RRC test case 8.3.3.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120615	1307	-	Correction for GERAN initialisation functions	10.1.0	10.2.0
2012-12	RAN#58	R5s120617	1308	-	Addition of GCF WI-081 EUTRA Manual CSG Testcase 6.3.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120619	1309	-	LTE_TDD: Addition of GCF WI-097 EMM testcase 9.2.3.2.13	10.1.0	10.2.0
2012-12	RAN#58	R5s120623	1310	-	Correction to EUTRA RRC test case 8.5.4.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120628	1311	-	Correction to EMM test case 9.2.3.1.17	10.1.0	10.2.0
2012-12	RAN#58	R5s120629	1312	-	Correction to EUTRA MAC test case 7.1.3.9	10.1.0	10.2.0
2012-12	RAN#58	R5s120632	1313	-	LTE_TDD: Addition of GCF WI-092 EMM testcase 9.3.1.6	10.1.0	10.2.0
2012-12	RAN#58	R5s120634	1314	-	Correction to EUTRA MAC test case 7.1.6.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120637	1315	-	Correction to EUTRA-GERAN Multi-Layer test cases 13.1.7, 13.1.8, 13.1.9 and 13.1.10	10.1.0	10.2.0
2012-12	RAN#58	R5s120638	1316	-	Correction to EUTRA-GERAN Idle Mode test case 6.2.3.17	10.1.0	10.2.0
2012-12	RAN#58	R5s120639	1317	-	Correction to EMM test case 9.2.3.3.5a	10.1.0	10.2.0
2012-12	RAN#58	R5s120641	1318	-	Correction to EUTRA test cases	10.1.0	10.2.0
2012-12	RAN#58	R5s120642	1319	-	Correction to function f_IPv4IPv6_lcmpEchoReply	10.1.0	10.2.0
2012-12	RAN#58	R5s120643	1320	-	LTE_TDD: Addition of GCF WI-097 EMM testcase 9.2.3.2.14	10.1.0	10.2.0
2012-12	RAN#58	R5s120647	1321	-	Addition of EUTRA test case 6.1.2.15b	10.1.0	10.2.0
2012-12	RAN#58	R5s120649	1322	-	Addition of GCF WI-086 EMM test case 9.2.3.2.1b	10.1.0	10.2.0

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2012-12	RAN#58	R5s120651	1323	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 6.1.1.3a	10.1.0	10.2.0
2012-12	RAN#58	R5s120653	1324	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 8.1.3.11a	10.1.0	10.2.0
2012-12	RAN#58	R5s120655	1325	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 8.2.4.10	10.1.0	10.2.0
2012-12	RAN#58	R5s120657	1326	-	Correction for GERAN PTC initialisation	10.1.0	10.2.0
2012-12	RAN#58	R5s120658	1327	-	Correction to EUTRA MAC test case 7.1.6.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120659	1328	-	Correction to EUTRA InterRAT test function	10.1.0	10.2.0
2012-12	RAN#58	R5s120660	1329	-	Correction to EUTRA InterRAT Testcases	10.1.0	10.2.0
2012-12	RAN#58	R5s120661	1330	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 6.1.1.1a	10.1.0	10.2.0
2012-12	RAN#58	R5s120663	1331	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 13.4.1.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120666	1332	-	Correction to Selection Expressions in LTE/SAE ATS	10.1.0	10.2.0
2012-12	RAN#58	R5s120667	1333	-	Correction to EUTRA MAC Testcase 7.1.3.9	10.1.0	10.2.0
2012-12	RAN#58	R5s120668	1334	-	Correction to EUTRA GCF WI-086 Multilayer Testcase 13.1.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120669	1335	-	Correction to EUTRA GCF WI-086 EMM Testcase 9.2.1.2.1b	10.1.0	10.2.0
2012-12	RAN#58	R5s120670	1336	-	Correction to EUTRA Idle Mode test case 6.2.3.15	10.1.0	10.2.0
2012-12	RAN#58	R5s120671	1337	-	Correction to EUTRA GCF WI-086 RRC Testcase 8.4.1.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120672	1338	-	Correction to Multilayer test case 13.4.2.4	10.1.0	10.2.0
2012-12	RAN#58	R5s120673	1339	-	Correction to f_UTRAN_CS_Fallback_WithHandover function	10.1.0	10.2.0
2012-12	RAN#58	R5s120675	1340	-	Addition of Rel 9 EUTRA RRC Interband Testcase 8.3.1.12	10.1.0	10.2.0
2012-12	RAN#58	R5s120677	1341	-	Addition of Rel 9 EUTRA RRC Interband Testcase 8.3.1.14	10.1.0	10.2.0
2012-12	RAN#58	R5s120679	1342	-	Addition of Rel 9 EUTRA RRC Interband Testcase 13.4.1.4	10.1.0	10.2.0
2012-12	RAN#58	R5s120681	1343	-	Addition of Rel 9 EUTRA RRC Interband Testcase 8.3.1.15	10.1.0	10.2.0
2012-12	RAN#58	R5s120683	1344	-	Correction to EUTRA EMM Testcase 9.2.3.1.23 and 9.2.3.2.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120684	1345	-	Correction to GCF WI-081 EUTRA CSG Testcase 6.3.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120685	1346	-	Correction to Idle Mode Test Cases 6.1.1.3, 6.1.1.3b and 6.2.1.4.	10.1.0	10.2.0
2012-12	RAN#58	R5s120686	1347	-	Correction to GCF WI-086 UTRA<->EUTRA RRC Testcases 8.4.2.2 & 8.4.2.4	10.1.0	10.2.0
2012-12	RAN#58	R5s120688	1348	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.3.3.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120689	1349	-	LTE_TDD: Addition of GCF WI-097 EUTRA RRC Testcase 8.4.3.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120693	1350	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 8.2.4.13a	10.1.0	10.2.0
2012-12	RAN#58	R5s120695	1351	-	Corrections to Eutra EMM Test case 9.2.3.4.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120696	1352	-	Corrections to EUTRA EMM Test case 9.2.3.1.16	10.1.0	10.2.0
2012-12	RAN#58	R5s120697	1353	-	Correction to GCF WI-086 EMM test case 9.2.3.3.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120698	1354	-	Corrections to EMM test case 9.2.1.1.7a	10.1.0	10.2.0
2012-12	RAN#58	R5s120699	1355	-	Corrections to Multi-layer test case 13.1.9	10.1.0	10.2.0
2012-12	RAN#58	R5s120700	1356	-	Addition of Rel-9 LTE Multi-layer Procedures test case 13.3.1.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120702	1357	-	Correction to EUTRA EMM Testcase 9.2.3.2.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120703	1358	-	Corrections to EMM test case 9.2.3.3..4	10.1.0	10.2.0
2012-12	RAN#58	R5s120704	1359	-	Addition of Rel 9 EUTRA RRC Interband Testcase 8.3.1.13	10.1.0	10.2.0

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2012-12	RAN#58	R5s120706	1360	-	Corrections to EUTRA RRC test case 8.5.4.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120707	1361	-	Corrections to EUTRA EMM test case 9.2.3.3.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120708	1362	-	Corrections to EUTRA Idle Mode Test case 6.2.3.19	10.1.0	10.2.0
2012-12	RAN#58	R5s120709	1363	-	Addition of Rel-9 LTE Multi-layer Procedures test case 13.4.1.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120711	1364	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.3.3.4.	10.1.0	10.2.0
2012-12	RAN#58	R5s120713	1365	-	Addition of GCF WI-151 EUTRA FDD-TDD Testcase 8.3.1.12a	10.1.0	10.2.0
2012-12	RAN#58	R5s120715	1366	-	Corrections to EMM test case 9.2.3.3.5a	10.1.0	10.2.0
2012-12	RAN#58	R5s120719	1367	-	Correction to UTRAN functions	10.1.0	10.2.0
2012-12	RAN#58	R5s120720	1368	-	Corrections to function f_EUTRA_RmvFbdnPLMN function	10.1.0	10.2.0
2012-12	RAN#58	R5s120721	1369	-	Corrections to EMM test case 9.2.2.1.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120722	1370	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 8.3.1.14a	10.1.0	10.2.0
2012-12	RAN#58	R5s120724	1371	-	Correction to EMM test case 9.2.1.2.15	10.1.0	10.2.0
2012-12	RAN#58	R5s120725	1372	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 8.3.1.13a	10.1.0	10.2.0
2012-12	RAN#58	R5s120727	1373	-	Corrections to IMS procedures in LTE test suite	10.1.0	10.2.0
2012-12	RAN#58	R5s120728	1374	-	Correction to EUTRA EMM test case 9.2.3.3.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120738	1375	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.1.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120740	1376	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.2.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120742	1377	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.2.8	10.1.0	10.2.0
2012-12	RAN#58	R5s120744	1378	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.3.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120746	1379	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.3.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120748	1380	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.3.6	10.1.0	10.2.0
2012-12	RAN#58	R5s120750	1381	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.3.13	10.1.0	10.2.0
2012-12	RAN#58	R5s120752	1382	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.3.31	10.1.0	10.2.0
2012-12	RAN#58	R5s120754	1383	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.3.32	10.1.0	10.2.0
2012-12	RAN#58	R5s120756	1384	-	LTE_TDD: Addition of GCF WI-096 RRC test case 8.1.3.6	10.1.0	10.2.0
2012-12	RAN#58	R5s120758	1385	-	LTE_TDD: Addition of GCF WI-096 RRC test case 8.5.2.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120760	1386	-	LTE_TDD: Addition of GCF WI-096 EMM test case 9.2.1.2.1b	10.1.0	10.2.0
2012-12	RAN#58	R5s120762	1387	-	LTE_TDD: Addition of GCF WI-096 EMM test case 9.2.2.1.10	10.1.0	10.2.0
2012-12	RAN#58	R5s120764	1388	-	LTE_TDD: Addition of GCF WI-096 EMM test case 9.2.3.3.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120768	1389	-	Corrections to Multi-layer test cases 13.1.7,13.1.8,13.1.9,13.1.10	10.1.0	10.2.0
2012-12	RAN#58	R5s120769	1390	-	Correction to fI_EUTRA_RRC_Procedure_Latency function	10.1.0	10.2.0
2012-12	RAN#58	R5s120770	1391	-	Correction to GCF WI-086 EUTRA<->UTRA Testcases 6.2.1.3 and 8.3.3.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120771	1392	-	Correction to GCF WI-082 EUTRA Multilayer Testcase 13.3.1.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120772	1393	-	Addition of Rel 9 GCF WI-151 EUTRA RRC Testcase 6.1.2.16	10.1.0	10.2.0
2012-12	RAN#58	R5s120774	1394	-	Addition of GCF WI-087 Multi layer test case 13.4.2.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120776	1395	-	Addition of Rel-9 EUTRA-UTRAN RRC test case 8.1.3.6a	10.1.0	10.2.0
2012-12	RAN#58	R5s120778	1396	-	Correction to GCF WI-086 E-UTRA to UTRAN RRC test case 8.4.1.5	10.1.0	10.2.0



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2012-12	RAN#58	R5s120779	1397	-	LTE_TDD : Addition of Rel9 EUTRA Multilayer Testcase 13.3.1.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120781	1398	-	LTE_TDD : Addition of Rel9 EUTRA Multilayer Testcase 13.4.1.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120783	1399	-	Addition of Rel 9 RSRQ Idle Mode Testcase 6.1.2.2a	10.1.0	10.2.0
2012-12	RAN#58	R5s120785	1400	-	Addition of GCF WI-151 EUTRA FDD-TDD Inter-mode Testcase 6.1.2.15a	10.1.0	10.2.0
2012-12	RAN#58	R5s120787	1401	-	Correction to EMM Test Case 9.2.1.2.1d	10.1.0	10.2.0
2012-12	RAN#58	R5s120788	1402	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.1.2.1d	10.1.0	10.2.0
2012-12	RAN#58	R5s120789	1403	-	Correction to EUTRA Idle Mode Testcase 6.1.2.9a	10.1.0	10.2.0
2012-12	RAN#58	R5s120790	1404	-	Correction to GCF WI-086 EMM test case 9.2.3.3.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120791	1405	-	Corrections to EUTRA Idle Mode Test Cases	10.1.0	10.2.0
2012-12	RAN#58	R5s120793	1406	-	Correction to GCF WI-087 LTE<->GERAN Testcase 6.2.3.24	10.1.0	10.2.0
2012-12	RAN#58	R5s120797	1407	-	LTE_TDD: Addition of GCF WI-096 Idle Mode test case 6.2.3.6	10.1.0	10.2.0
2012-12	RAN#58	R5s120799	1408	-	Correction to f_UTRAN_LocationUpdate_WithoutLAUReq function	10.1.0	10.2.0
2012-12	RAN#58	R5s120800	1409	-	Correction to ESM test cases 10.8.5 and 10.8.6	10.1.0	10.2.0
2012-12	RAN#58	R5s120801	1410	-	Correction to Idle Mode test case 6.2.2.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120802	1411	-	Correction to GERAN XID procedure	10.1.0	10.2.0
2012-12	RAN#58	R5s120808	1412	-	Addition of Rel9 EUTRA RRC test case 8.5.1.6	10.1.0	10.2.0
2012-12	RAN#58	R5s120810	1413	-	Corrections to EUTRA RRC test case 8.5.4.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120811	1414	-	Correction to Idle Mode test case 6.2.1.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120812	1415	-	Addition of GCF WI-151 EUTRA FDD-TDD Inter-mode test case 8.2.4.14a.	10.1.0	10.2.0
2012-12	RAN#58	R5s120815	1416	-	Correction to EUTRA Idle Mode Test Case 6.2.1.4	10.1.0	10.2.0
2012-12	RAN#58	R5s120817	1417	-	Addition of GCF WI-151 EUTRA FDD-TDD Inter-mode test case 8.2.4.15a.	10.1.0	10.2.0
2012-12	RAN#58	R5s120819	1418	-	Correction to f_UTRAN_CS_Fallback_WithHandover function	10.1.0	10.2.0
2012-12	RAN#58	R5s120820	1419	-	Correction to EUTRA Multi Layer test case 13.3.2.2	10.1.0	10.2.0
2012-12	RAN#58	R5s120821	1420	-	Correction to f_GetTestcaseAttrib_Eutra_Release function	10.1.0	10.2.0
2012-12	RAN#58	R5s120822	1421	-	Correction to GCF WI-081 MAC test cases 7.1.7.1.x and 7.1.7.2.1 for Band 18.	10.1.0	10.2.0
2012-12	RAN#58	R5s120823	1422	-	Correction to GCF WI-086 EUTRA RRC Testcase 8.4.1.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120824	1423	-	Correction to GCF WI-087 EUTRA RRC Testcase 9.2.1.2.1b	10.1.0	10.2.0
2012-12	RAN#58	R5s120825	1424	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.3.2.1b	10.1.0	10.2.0
2012-12	RAN#58	R5s120826	1425	-	Correction to Rel9 EUTRA Multilayer Testcase 13.3.1.3	10.1.0	10.2.0
2012-12	RAN#58	R5s120827	1426	-	Addition of Rel9 EUTRA RRC Interband Testcase 8.3.1.16.	10.1.0	10.2.0
2012-12	RAN#58	R5s120829	1427	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.1.2.1c	10.1.0	10.2.0
2012-12	RAN#58	R5s120831	1428	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.3.2.1c	10.1.0	10.2.0
2012-12	RAN#58	R5s120832	1429	-	Correction to GCF WI-082 EUTRA CSG Testcase 6.3.5	10.1.0	10.2.0
2012-12	RAN#58	R5s120833	1430	-	Correction to GCF WI-087 EUTRA EMM Testcase 9.2.1.2.13	10.1.0	10.2.0
2012-12	RAN#58	R5s120834	1431	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.3.2.1b	10.1.0	10.2.0
2012-12	RAN#58	R5s120835	1432	-	Correction to GCF WI-087 EUTRA EMM Testcases 9.2.3.2.3, 9.2.1.2.1b, 9.2.3.2.1b	10.1.0	10.2.0
2012-12	RAN#58	R5s120836	1433	-	Correction to Rel 9 GCF WI-151 EUTRA RRC Testcase 6.1.2.15a	10.1.0	10.2.0

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2012-12	RAN#58	R5s120837	1434	-	Correction to GCF WI-087 EUTRA EMM Testcase 9.2.3.4.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120838	1435	-	Correction to GCF WI-087 EUTRA EMM Testcase 9.2.3.1.6	10.1.0	10.2.0
2012-12	RAN#58	R5s120839	1436	-	Correction to Rel9 EUTRA Hybrid Cell Testcase 6.4.1	10.1.0	10.2.0
2012-12	RAN#58	R5s120841	1437	-	Correction to Rel 9 GCF WI-151 EUTRA RRC Testcase 6.1.1.3a	10.1.0	10.2.0
2012-12	RAN#58	R5s120842	1438	-	Correction to Testcase Release Applicability of Rel9 EUTRA Testcases.	10.1.0	10.2.0
2012-12	RAN#58	R5s120843	1439	-	LTE_TDD: Addition of Rel9 GCF WI-150 EUTRA RSRQ Idle Mode Testcase 6.1.2.2a	10.1.0	10.2.0
2012-12	RAN#58	RP-121670	1440	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	10.1.0	10.2.0
2013-03	RAN#59	R5-130670	1441	-	36523-3: Routine maintenance and updates	10.2.0	10.3.0
2013-03	RAN#59	R5-130693	1442	-	36523-3: Introduce CA test model and ASP	10.2.0	10.3.0
2013-03	RAN#59	R5s120830	1443	-	Correction to GCF WI-087 EUTRA EMM testcase 9.2.3.3.5	10.2.0	10.3.0
2013-03	RAN#59	R5s120849	1444	-	Correction to f_UTRAN_CellInfo_SetMultiplePLMNIdentities	10.2.0	10.3.0
2013-03	RAN#59	R5s120852	1445	-	Corrections to Redirection Test Cases	10.2.0	10.3.0
2013-03	RAN#59	R5s120853	1446	-	Correction to EUTRA Idle Mode Test Case 6.2.3.13	10.2.0	10.3.0
2013-03	RAN#59	R5s120854	1447	-	LTE_TDD: Addition of Rel9 EUTRA Interband Testcase 8.3.1.12	10.2.0	10.3.0
2013-03	RAN#59	R5s120856	1448	-	LTE_TDD: Addition of Rel9 EUTRA Interband Testcase 8.3.1.14	10.2.0	10.3.0
2013-03	RAN#59	R5s120860	1449	-	Corrections to Rel9 EUTRA RRC Test case 8.3.1.16	10.2.0	10.3.0
2013-03	RAN#59	R5s120861	1450	-	Correction to GCF WI-87 EUTRA Multilayer Testcase 13.3.2.2	10.2.0	10.3.0
2013-03	RAN#59	R5s120862	1451	-	LTE_TDD: Addition of Rel9 EUTRA Interband Testcase 8.3.1.15	10.2.0	10.3.0
2013-03	RAN#59	R5s120864	1452	-	LTE_TDD: Addition of Rel9 EUTRA RRC Testcase 8.5.1.6	10.2.0	10.3.0
2013-03	RAN#59	R5s120866	1453	-	Correction to GCF WI-87 EUTRA EMM Testcase 9.2.3.3.5a	10.2.0	10.3.0
2013-03	RAN#59	R5s120867	1454	-	Corrections to EUTRA EMM Test cases	10.2.0	10.3.0
2013-03	RAN#59	R5s120868	1455	-	Correction to EUTRA WI-086 Multilayer Testcase 13.1.3	10.2.0	10.3.0
2013-03	RAN#59	R5s120869	1456	-	Correction to EUTRA RRC Test Case 8.3.1.11a	10.2.0	10.3.0
2013-03	RAN#59	R5s120870	1457	-	Correction to EUTRA RRC Test Cases 8.2.4.15 and 8.2.4.15a	10.2.0	10.3.0
2013-03	RAN#59	R5s120871	1458	-	LTE_TDD: Correction to UTRA-TDD RRC RAB Template	10.2.0	10.3.0
2013-03	RAN#59	R5s120872	1459	-	LTE_TDD: Correction to GCF WI-086 EUTRA EMM Testcase 9.2.1.2.5,9.2.1.2.6 and 9.2.1.2.7	10.2.0	10.3.0
2013-03	RAN#59	R5s120873	1460	-	LTE_TDD: Correction to GCF WI-096 EUTRA EMM Testcase 9.2.1.2.15	10.2.0	10.3.0
2013-03	RAN#59	R5s120876	1461	-	Correction to EUTRA Idle Mode Test Case 6.1.1.3a	10.2.0	10.3.0
2013-03	RAN#59	R5s120878	1462	-	Correction to EMM test case 9.2.3.2.3	10.2.0	10.3.0
2013-03	RAN#59	R5s120879	1463	-	Addition of GCF WI-150 Rel-9 EUTRA RSRQ test case 6.1.2.3a	10.2.0	10.3.0
2013-03	RAN#59	R5s120883	1464	-	Addition of GCF WI-150 Rel9 RSRQ Idle Mode Testcase 6.1.2.17	10.2.0	10.3.0
2013-03	RAN#59	R5s120885	1465	-	Correction to GCF WI-82 EUTRA EMM Testcase 9.2.1.1.23	10.2.0	10.3.0
2013-03	RAN#59	R5s120886	1466	-	Correction to GCF WI-82 EUTRA EMM Testcase 9.2.2.1.6	10.2.0	10.3.0
2013-03	RAN#59	R5s120888	1467	-	Correction to GCF WI-82 EUTRA EMM Testcase 9.2.1.1.24	10.2.0	10.3.0
2013-03	RAN#59	R5s120889	1468	-	Correction to GCF WI-87 EUTRA EMM Testcase 9.2.1.2.15	10.2.0	10.3.0
2013-03	RAN#59	R5s120890	1469	-	Correction to declarations based on XSD types in LTE Test Suite.	10.2.0	10.3.0
2013-03	RAN#59	R5s120891	1470	-	Addition of GCF WI-159 Rel-9 LTE Pre-registration at 1xRTT test case 13.4.4.1	10.2.0	10.3.0

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2013-03	RAN#59	R5s120893	1471	-	Correction to EMM Test Cases 9.2.1.1.12, 9.2.3.1.12 and 9.2.3.1.18	10.2.0	10.3.0
2013-03	RAN#59	R5s120894	1472	-	Correction to GCF WI-87 EUTRA EMM Testcase 9.2.3.1.6	10.2.0	10.3.0
2013-03	RAN#59	R5s120895	1473	-	Correction to GCF WI-81 EUTRA Idle Mode Testcase 6.1.2.9a	10.2.0	10.3.0
2013-03	RAN#59	R5s120896	1474	-	Correction to GCF WI-82 EUTRA EMM Testcase 9.2.3.1.27	10.2.0	10.3.0
2013-03	RAN#59	R5s120897	1475	-	Correction to GCF WI-86 EUTRA EMM Testcase 9.2.3.2.1c	10.2.0	10.3.0
2013-03	RAN#59	R5s120898	1476	-	Addition of GCF WI-159 Rel-9 LTE Pre-registration at 1xRTT test case 13.4.4.5	10.2.0	10.3.0
2013-03	RAN#59	R5s120900	1477	-	Correction to GCF WI-86 EUTRA EMM Testcase 9.2.3.2.1a	10.2.0	10.3.0
2013-03	RAN#59	R5s120901	1478	-	Correction to GCF WI-82 EUTRA EMM Testcase 9.2.1.2.3	10.2.0	10.3.0
2013-03	RAN#59	R5s120902	1479	-	Correction to EMM test case 9.2.2.1.3	10.2.0	10.3.0
2013-03	RAN#59	R5s120903	1480	-	Correction to SMDCP Ports in LTE<>GERAN	10.2.0	10.3.0
2013-03	RAN#59	R5s120904	1481	-	Correction to EUTRA<>UTRA Testcases	10.2.0	10.3.0
2013-03	RAN#59	R5s120905	1482	-	Addition of GCF WI-150 Rel-9 EUTRA RSRQ test case 6.1.2.18	10.2.0	10.3.0
2013-03	RAN#59	R5s120908	1483	-	Correction to EUTRA RRC test cases 8.4.3.2 and 8.4.3.3	10.2.0	10.3.0
2013-03	RAN#59	R5s120909	1484	-	Correction to EUTRA Idle Mode test case 6.2.3.31	10.2.0	10.3.0
2013-03	RAN#59	R5s120910	1485	-	Correction to GCF WI-081 EUTRA MAC Testcase 7.1.2.3	10.2.0	10.3.0
2013-03	RAN#59	R5s120911	1486	-	Correction to GCF WI-081 EUTRA RRC Testcase 8.1.2.6	10.2.0	10.3.0
2013-03	RAN#59	R5s120912	1487	-	Correction to GCF WI-156 EUTRA Interband Testcase 8.2.4.14	10.2.0	10.3.0
2013-03	RAN#59	R5s120913	1488	-	Addition of GCF WI-088 LTE-1xRTT test case 8.3.2.10	10.2.0	10.3.0
2013-03	RAN#59	R5s120915	1489	-	Addition of GCF WI-088 LTE-HRPD test case 8.3.2.8	10.2.0	10.3.0
2013-03	RAN#59	R5s120917	1490	-	Correction to EUTRA EMM Test case 9.2.3.2.12	10.2.0	10.3.0
2013-03	RAN#59	R5s120918	1491	-	Correction to GCF WI-87 EUTRA EMM Testcase 9.2.3.3.5	10.2.0	10.3.0
2013-03	RAN#59	R5s120919	1492	-	Correction to GCF WI-87 EUTRA Multilayer testcase 13.3.2.2	10.2.0	10.3.0
2013-03	RAN#59	R5s120920	1493	-	Correction to GCF WI-087 LTE<>GERAN Testcase 13.4.2.5	10.2.0	10.3.0
2013-03	RAN#59	R5s120921	1494	-	Correction to EUTRA RRC Test Case 8.2.4.15a	10.2.0	10.3.0
2013-03	RAN#59	R5s120922	1495	-	Correction to EMM test case 9.2.3.3.2	10.2.0	10.3.0
2013-03	RAN#59	R5s120923	1496	-	Correction to EMM test case 9.2.1.2.1c	10.2.0	10.3.0
2013-03	RAN#59	R5s120925	1497	-	Addition of GCF WI-150 Rel-9 EUTRA RSRQ test case 8.3.1.3a	10.2.0	10.3.0
2013-03	RAN#59	R5s120933	1498	-	Correction to EMM Test Case 9.2.3.1.17	10.2.0	10.3.0
2013-03	RAN#59	R5s120935	1499	-	Correction to GCF WI-086 UTRA<>EUTRA RRC Testcases 8.4.2.2 and 8.4.2.4	10.2.0	10.3.0
2013-03	RAN#59	R5s120937	1500	-	Correction to EUTRA RRC test case 8.1.3.7	10.2.0	10.3.0
2013-03	RAN#59	R5s120938	1501	-	Correction to EUTRA Idle Mode test case 6.2.3.3	10.2.0	10.3.0
2013-03	RAN#59	R5s120939	1502	-	Addition of GCF WI-087 EUTRA Idle Mode test case 6.2.3.23	10.2.0	10.3.0
2013-03	RAN#59	R5s120941	1503	-	Correction to EUTRA RRC test cases 8.4.2.2 and 8.4.2.4	10.2.0	10.3.0
2013-03	RAN#59	R5s120942	1504	-	Correction to GCF WI-086 EUTRA EMM testcase 9.2.3.2.13	10.2.0	10.3.0
2013-03	RAN#59	R5s120943	1505	-	Correction to function f_EUTRA_TrackingAreaUpdateFromAnotherRAT_WithoutRRCConnReq	10.2.0	10.3.0
2013-03	RAN#59	R5s120944	1506	-	Correction to function f_EUTRA_TrackingAreaUpdateFromAnotherRAT_WithoutRRCConnReq	10.2.0	10.3.0

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2013-03	RAN#59	R5s120951	1507	-	LTE_TDD: Correction to RAU procedure of UTRA	10.2.0	10.3.0
2013-03	RAN#59	R5s120952	1508	-	LTE_TDD: Correction to GCF WI-096 EUTRA Idle Mode Test Case 6.2.3.4	10.2.0	10.3.0
2013-03	RAN#59	R5s120953	1509	-	LTE_TDD: Correction to RLC CONFIG in CS12.2K Scenario of UTRA	10.2.0	10.3.0
2013-03	RAN#59	R5s120954	1510	-	LTE_TDD: Corrections to DL Common Information in RB SETUP message of UTRA	10.2.0	10.3.0
2013-03	RAN#59	R5s120955	1511	-	LTE_TDD: Corrections to Physical Channel Parameters used in PS64K Scenario of UTRA	10.2.0	10.3.0
2013-03	RAN#59	R5s120956	1512	-	LTE_TDD: Corrections to Physical Channel Parameters used in CS12.2K Scenario of UTRA	10.2.0	10.3.0
2013-03	RAN#59	R5s120958	1513	-	LTE_TDD: Addition of EUTRA Multi-layer Test case 13.1.9	10.2.0	10.3.0
2013-03	RAN#59	R5s120960	1514	-	LTE_TDD: Addition of EUTRA Multi-layer Test case 13.1.10	10.2.0	10.3.0
2013-03	RAN#59	R5s120963	1515	-	Correction to EUTRA EMM Testcases 9.2.1.2.11 and 9.2.1.2.12	10.2.0	10.3.0
2013-03	RAN#59	R5s120964	1516	-	Addition of EUTRA Idle mode Test case 6.2.3.5a	10.2.0	10.3.0
2013-03	RAN#59	R5s120967	1517	-	Corrections to EUTRA-GERAN test cases 6.2.3.1 and 9.2.3.4.1	10.2.0	10.3.0
2013-03	RAN#59	R5s120968	1518	-	Correction to EMM test case 9.2.3.2.3 in Voice-Centric Mode in EUTRA-UTRAN path	10.2.0	10.3.0
2013-03	RAN#59	R5s130000	1519	-	Correction to EMM test case 9.2.2.1.10	10.2.0	10.3.0
2013-03	RAN#59	R5s130002	1520	-	LTE_TDD: Addition of EUTRA Idle Mode Test Case 6.2.3.4	10.2.0	10.3.0
2013-03	RAN#59	R5s130004	1521	-	LTE_TDD: Addition of EMM Test Case 9.2.3.2.1a	10.2.0	10.3.0
2013-03	RAN#59	R5s130006	1522	-	LTE_TDD: Addition of EMM Test Case 9.2.3.3.6	10.2.0	10.3.0
2013-03	RAN#59	R5s130008	1523	-	Correction to SIB5 definition for UTRAN-TDD (1.28 Mcps)	10.2.0	10.3.0
2013-03	RAN#59	R5s130009	1524	-	Correction to template cds_RadioBearerSetup_r9_IEs_64k_PS_TDD	10.2.0	10.3.0
2013-03	RAN#59	R5s130010	1525	-	Correction to EUTRA RRC Test Case 8.4.2.2	10.2.0	10.3.0
2013-03	RAN#59	R5s130013	1526	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.3.2.1b	10.2.0	10.3.0
2013-03	RAN#59	R5s130017	1527	-	LTE_TDD: Addition of GCF WI-150 Rel-9 EUTRA RSRQ test case 6.1.2.18	10.2.0	10.3.0
2013-03	RAN#59	R5s130019	1528	-	Correction to EUTRA RRC Test Case 8.4.3.3	10.2.0	10.3.0
2013-03	RAN#59	R5s130020	1529	-	Addition of Rel9 RSRQ Idle Mode Testcase 6.2.3.4a	10.2.0	10.3.0
2013-03	RAN#59	R5s130022	1530	-	LTE_TDD: Addition of GCF WI-150 Rel-9 EUTRA RSRQ test case 6.1.2.17	10.2.0	10.3.0
2013-03	RAN#59	R5s130024	1531	-	LTE_TDD: Addition of Rel9 EUTRA RSRQ Testcase 8.3.1.3a	10.2.0	10.3.0
2013-03	RAN#59	R5s130026	1532	-	LTE_TDD: Addition of GCF WI-150 Rel-9 EUTRA RSRQ test case 6.1.2.3a	10.2.0	10.3.0
2013-03	RAN#59	R5s130034	1533	-	Correction to EMM Test Case 9.2.3.2.9	10.2.0	10.3.0
2013-03	RAN#59	R5s130037	1534	-	Correction to EUTRA RRC test case 8.2.4.14a	10.2.0	10.3.0
2013-03	RAN#59	R5s130038	1535	-	Correction to f_RoutingTable_ChangeEutraCell function	10.2.0	10.3.0
2013-03	RAN#59	R5s130040	1536	-	Correction to EUTRA EMM Testcases 9.2.1.1.15, 9.2.1.1.15a, 9.2.1.1.16, 9.2.1.1.16a in Ipv6	10.2.0	10.3.0
2013-03	RAN#59	R5s130043	1537	-	LTE_TDD: Addition of GCF WI-097 EMM test case 9.2.3.2.3	10.2.0	10.3.0
2013-03	RAN#59	R5s130045	1538	-	Correction to EUTRA ICMP Echo Reply function	10.2.0	10.3.0
2013-03	RAN#59	R5s130046	1539	-	Correction to EMM test case 9.2.1.1.24	10.2.0	10.3.0
2013-03	RAN#59	R5s130050	1540	-	Correction to EUTRA-GERAN test cases 6.2.3.1 and 9.2.3.4.1	10.2.0	10.3.0
2013-03	RAN#59	R5s130051	1541	-	Correction to EUTRA RRC test case 8.3.2.9	10.2.0	10.3.0
2013-03	RAN#59	R5s130052	1542	-	Correction to Test case 8.1.3.7	10.2.0	10.3.0
2013-03	RAN#59	R5s130055	1543	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 8.3.1.15a	10.2.0	10.3.0

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2013-03	RAN#59	R5s130057	1544	-	Addition of GCF WI-088 LTE-1xRTT Inter-RAT test case 8.4.7.4	10.2.0	10.3.0
2013-03	RAN#59	R5s130060	1545	-	Correction to EUTRA-GERAN test case 6.2.3.1	10.2.0	10.3.0
2013-03	RAN#59	R5s130061	1546	-	Addition of Rel9 RSRQ Idle Mode Testcase 6.2.3.3a	10.2.0	10.3.0
2013-03	RAN#59	R5s130064	1547	-	Correction to f_EUTRA_Capability function	10.2.0	10.3.0
2013-03	RAN#59	R5s130067	1548	-	Correction to EMM test case 9.1.5.1	10.2.0	10.3.0
2013-03	RAN#59	R5s130068	1549	-	Correction to LTE FDD-TDD Intermode test case 8.2.4.14a	10.2.0	10.3.0
2013-03	RAN#59	R5s130069	1550	-	Correction to EUTRA Idle Mode test case 6.1.1.1	10.2.0	10.3.0
2013-03	RAN#59	R5s130076	1551	-	Correction to EUTRA Idle Mode Test Case 6.1.2.13	10.2.0	10.3.0
2013-03	RAN#59	R5s130077	1552	-	Correction to ESM Test Case 10.4.1	10.2.0	10.3.0
2013-03	RAN#59	R5s130083	1553	-	Correction to Test case 9.2.1.2.1c	10.2.0	10.3.0
2013-03	RAN#59	R5s130084	1554	-	Addition of Rel9 EUTRA<->UTRA RSRQ RRC Testcase 8.3.2.3a	10.2.0	10.3.0
2013-03	RAN#59	R5s130088	1555	-	Correction to EUTRA RRC Test Case 8.5.4.1	10.2.0	10.3.0
2013-03	RAN#59	RP-130151	1556	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	10.2.0	10.3.0
2013-06	RAN#60	R5-131868	1561	-	Addition of IMS de-registration procedures to postamble sequences for E-UTRA test cases	10.3.0	10.4.0
2013-06	RAN#60	RP-130618	1678	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	10.3.0	10.4.0
2013-06	RAN#60	R5s130050	1563	-	Correction to EUTRA-GERAN test cases 6.2.3.1 and 9.2.3.4.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130065	1564	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 8.3.1.16a	10.3.0	10.4.0
2013-06	RAN#60	R5s130078	1565	-	Addition of Rel 9 EUTRA PWS Test cases 18.1.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130081	1566	-	Addition of Rel-9 EUTRA PWS test case 18.1.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130086	1567	-	LTE_TDD: Addition of GCF WI-099 Multi-RAT test case 6.2.1.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130089	1568	-	Correction to EUTRA Multi-Layer Test Cases 13.1.x	10.3.0	10.4.0
2013-06	RAN#60	R5s130090	1569	-	Addition of GCF WI-159 LTE-1xRTT CSFB Handover test case 8.4.7.9	10.3.0	10.4.0
2013-06	RAN#60	R5s130092	1570	-	Correction to EMM Test Case 9.2.1.1.20	10.3.0	10.4.0
2013-06	RAN#60	R5s130094	1571	-	LTE_TDD: Addition of EMM Test Case 9.2.3.1.6	10.3.0	10.4.0
2013-06	RAN#60	R5s130097	1572	-	Addition of GCF WI-088 LTE-1xRTT CSFB Emergency Call test case 13.1.17	10.3.0	10.4.0
2013-06	RAN#60	R5s130100	1573	-	Correction to E-UTRA EMM testcases 9.2.1.1.7a, 9.2.3.1.16, 9.2.3.1.18 , 9.2.3.1.18a, 9.2.3.2.10 and 9.2.3.2.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130103	1574	-	Addition of Rel 9 EUTRA PWS(CMAS) Test cases 18.1.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130105	1575	-	Addition of GCF WI-088 LTE-1xRTT CSFB test case 8.4.7.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130107	1576	-	Correction to handling of security capabilities in EUTRA Testcases	10.3.0	10.4.0
2013-06	RAN#60	R5s130110	1577	-	LTE_TDD: Addition of GCF WI-099 Multi-RAT test case 8.3.2.6	10.3.0	10.4.0
2013-06	RAN#60	R5s130112	1578	-	Correction to EUTRA Idle Mode Test Case 6.1.1.3a	10.3.0	10.4.0
2013-06	RAN#60	R5s130113	1579	-	Correction to 36.523 IMS preamble part with IPsec enabled	10.3.0	10.4.0
2013-06	RAN#60	R5s130116	1580	-	Correction to Security Procedure for EUTRA TDD<->TDS DMA Testcases	10.3.0	10.4.0
2013-06	RAN#60	R5s130117	1581	-	Correction to EUTRA EMM Test Case 9.2.1.2.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130122	1582	-	Corrections to ESM test cases 10.3.1 and 10.9.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130127	1583	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 6.1.1.4a	10.3.0	10.4.0
2013-06	RAN#60	R5s130129	1584	-	Correction to EUTRA RRC Test Case 8.3.2.2	10.3.0	10.4.0

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2013-06	RAN#60	R5s130131	1585	-	Correction to EMM Test Case 9.2.3.1.19	10.3.0	10.4.0
2013-06	RAN#60	R5s130132	1586	-	Correction to px_CipherAlg PIXIT type	10.3.0	10.4.0
2013-06	RAN#60	R5s130135	1587	-	Clarification for modifies of 'record of' record in TTCN3 core language	10.3.0	10.4.0
2013-06	RAN#60	R5s130137	1588	-	Correction to GCF WI-086 EUTRA Multilayer Testcase 13.1.5	10.3.0	10.4.0
2013-06	RAN#60	R5s130138	1589	-	Correction to Idle Mode Test Case 6.1.2.17	10.3.0	10.4.0
2013-06	RAN#60	R5s130140	1590	-	Correction to EUTRA RRC Test Case 8.2.4.14a	10.3.0	10.4.0
2013-06	RAN#60	R5s130141	1591	-	Correction to EUTRA RRC Test Case 8.3.1.16a	10.3.0	10.4.0
2013-06	RAN#60	R5s130142	1592	-	Correction to EUTRA RRC Test Case 8.4.2.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130143	1593	-	Correction to GCF WI-082 testcase 9.3.1.6 (LTE-UTRA)	10.3.0	10.4.0
2013-06	RAN#60	R5s130144	1594	-	Correction to GCF WI-086 testcase 8.4.1.5	10.3.0	10.4.0
2013-06	RAN#60	R5s130161	1595	-	LTE_TDD: Addition of GCF WI-096 RRC test case 8.1.3.7	10.3.0	10.4.0
2013-06	RAN#60	R5s130163	1596	-	LTE_TDD: Addition of GCF WI-096 TD-LTE<>TDSMA Testcase 13.4.2.4	10.3.0	10.4.0
2013-06	RAN#60	R5s130165	1597	-	Correction to Support of UTRAN band 19	10.3.0	10.4.0
2013-06	RAN#60	R5s130166	1598	-	Correction to EMM Test Case 9.2.3.3.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130169	1599	-	Addition of Rel 9 EUTRA Multiple MO-SMS over SGs/Idle mode Test case 11.1.5	10.3.0	10.4.0
2013-06	RAN#60	R5s130171	1600	-	Addition of Rel 9 Multiple MO-SMS over SGs / Active mode Test cases 11.1.6.	10.3.0	10.4.0
2013-06	RAN#60	R5s130173	1601	-	Correction to GCF WI-086 EUTRA EMM Test case 9.2.3.3.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130174	1602	-	Correction to GCF WI-086 EUTRA EMM Test case 9.2.3.2.1a	10.3.0	10.4.0
2013-06	RAN#60	R5s130175	1603	-	Correction to EMM Test Case 9.2.3.2.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130179	1604	-	Correction to EUTRA EMM Test Cases	10.3.0	10.4.0
2013-06	RAN#60	R5s130180	1605	-	Correction to EMM Test Case 9.2.3.3.5a	10.3.0	10.4.0
2013-06	RAN#60	R5s130185	1606	-	Correction to check of establishment cause in EUTRA-UTRA Idle lrat test cases	10.3.0	10.4.0
2013-06	RAN#60	R5s130189	1607	-	Correction to EUTRA RRC Test Case 8.3.2.6	10.3.0	10.4.0
2013-06	RAN#60	R5s130190	1608	-	Addition of EUTRA Idle Mode Test Case 6.2.3.23	10.3.0	10.4.0
2013-06	RAN#60	R5s130192	1609	-	Correction for GCF WI-086 EUTRA EMM test cases 9.2.3.2.9	10.3.0	10.4.0
2013-06	RAN#60	R5s130195	1610	-	Baseline upgrade of TTCN-3 ATs to March-13 in Rel-11	10.3.0	10.4.0
2013-06	RAN#60	R5s130201	1611	-	Addition of Rel-9 EMM test case 9.1.3.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130206	1612	-	Corrections to EUTRA RRC test cases 8.2.4.14, 8.2.4.14a and 8.3.1.16a	10.3.0	10.4.0
2013-06	RAN#60	R5s130207	1613	-	Correction to EUTRA Idle Mode Test Case 6.2.3.15	10.3.0	10.4.0
2013-06	RAN#60	R5s130208	1614	-	Addition of EUTRA Idle Mode Test Case 6.2.3.1a	10.3.0	10.4.0
2013-06	RAN#60	R5s130210	1615	-	LTE_TDD: Correction of RV value for SI3, SI4 and SI5 in EUTRA TDD mode	10.3.0	10.4.0
2013-06	RAN#60	R5s130211	1616	-	LTE_TDD: Addition of GCF WI-096 test case 6.2.1.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130215	1617	-	LTE_TDD: Addition of GCF WI-096 test cases 8.4.1.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130217	1618	-	LTE_TDD: Addition of GCF WI-096 test cases 8.4.1.4	10.3.0	10.4.0
2013-06	RAN#60	R5s130219	1619	-	LTE_TDD: Addition of GCF WI-096 test cases 8.4.2.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130221	1620	-	LTE_TDD: Addition of GCF WI-096 test cases 8.4.2.4	10.3.0	10.4.0
2013-06	RAN#60	R5s130225	1621	-	LTE_TDD: Addition of GCF WI-096 test case 9.2.3.3.1	10.3.0	10.4.0

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2013-06	RAN#60	R5s130227	1622	-	LTE_TDD: Addition of GCF WI-096 test case 9.2.3.3.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130229	1623	-	LTE_TDD: Addition of GCF WI-096 test case 9.2.3.3.5	10.3.0	10.4.0
2013-06	RAN#60	R5s130237	1624	-	Correction to EUTRA RRC Test Case 8.5.4.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130238	1625	-	Correction to EUTRA Multi Layer Test Case 13.4.2.5	10.3.0	10.4.0
2013-06	RAN#60	R5s130239	1626	-	Correction to EUTRA-GERAN Idle mode test case 6.2.3.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130240	1627	-	Correction to EUTRA EMM test case 9.2.2.1.8	10.3.0	10.4.0
2013-06	RAN#60	R5s130241	1628	-	Additional corrections to EUTRA-GERAN Idle Mode test case 6.2.3.2.3 on top of R5s130190	10.3.0	10.4.0
2013-06	RAN#60	R5s130243	1629	-	LTE_TDD: Addition of GCF WI-096 test case 9.2.1.2.1d	10.3.0	10.4.0
2013-06	RAN#60	R5s130245	1630	-	LTE_TDD: Addition of GCF WI-096 test case 13.1.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130250	1631	-	Correction of GCF WI-088 Inter-RAT Measurements test case 8.3.2.8	10.3.0	10.4.0
2013-06	RAN#60	R5s130251	1632	-	Correction of GCF WI-088 EUTRA-1XRTT test case 8.3.2.10	10.3.0	10.4.0
2013-06	RAN#60	R5s130252	1633	-	Renaming Condition Types in Selection Expressions	10.3.0	10.4.0
2013-06	RAN#60	R5s130253	1634	-	LTE_TDD: Addition of GCF WI-097 test case 13.3.2.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130255	1635	-	Correction to EUTRA EMM Test Case 9.2.3.2.9	10.3.0	10.4.0
2013-06	RAN#60	R5s130257	1636	-	Correction to template car_G_LLC_XID_IndAny	10.3.0	10.4.0
2013-06	RAN#60	R5s130258	1637	-	Correction to GCF WI-087 EUTRA-GERAN test case 8.4.3.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130259	1638	-	Correction to GCF WI 086 testcase 9.2.3.2.1b	10.3.0	10.4.0
2013-06	RAN#60	R5s130260	1639	-	Corrections to functions f_GERAN_EnterU10_MT and f_GERAN_EnterU10_MO_WithoutRRConnEst	10.3.0	10.4.0
2013-06	RAN#60	R5s130268	1640	-	Correction to EUTRA RRC Test Case 8.3.2.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130269	1641	-	Correction to EUTRA RRC Test Case 8.5.4.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130270	1642	-	Addition of GCF WI-151 LTE FDD-TDD Inter-mode test case 8.1.3.12a	10.3.0	10.4.0
2013-06	RAN#60	R5s130273	1643	-	Correction to EUTRA EMM Test Case 9.2.2.1.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130275	1644	-	Correction to function f_EUTRA_TrackingAreaUpdateFromAnotherRAT_WithoutRRConnReq	10.3.0	10.4.0
2013-06	RAN#60	R5s130276	1645	-	Correction to EUTRA Idle Mode Test Case 6.2.3.3a	10.3.0	10.4.0
2013-06	RAN#60	R5s130286	1646	-	LTE_TDD: Correction to f_UTRAN_CellInfo_Init_TDD function	10.3.0	10.4.0
2013-06	RAN#60	R5s130287	1647	-	Correction to EUTRA EMM Test Case 9.2.1.2.1c	10.3.0	10.4.0
2013-06	RAN#60	R5s130292	1648	-	LTE_TDD: Addition of Rel-9 EUTRA Multi-Layer test case 13.4.1.4	10.3.0	10.4.0
2013-06	RAN#60	R5s130300	1649	-	LTE_TDD: Addition of GCF WI-096 TD-LTE<->TDSMA Testcase 8.3.2.4	10.3.0	10.4.0
2013-06	RAN#60	R5s130302	1650	-	Addition of GCF WI-088 EUTRA<->HRPD Inter-RAT test case 8.3.3.4	10.3.0	10.4.0
2013-06	RAN#60	R5s130305	1651	-	Correction to GCF WI-081 EUTRA MAC test case 7.1.1.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130307	1652	-	Correction to PDU Type Definition PAGINGRESPONSE message	10.3.0	10.4.0
2013-06	RAN#60	R5s130308	1653	-	Correction to EUTRA RRC Test Case 8.4.1.5	10.3.0	10.4.0
2013-06	RAN#60	R5s130310	1654	-	Correction to UTRAN Capability information Procedure in EUTRA Testcases	10.3.0	10.4.0
2013-06	RAN#60	R5s130312	1655	-	Correction to EUTRA Multi-layer Test Case 13.3.1.3	10.3.0	10.4.0
2013-06	RAN#60	R5s130313	1656	-	Correction to GCF WI-082 E-UTRA EMM test case 9.1.2.6	10.3.0	10.4.0
2013-06	RAN#60	R5s130314	1657	-	Correction to GCF WI-151 LTE FDD-TDD Inter-mode test case 8.1.3.12a	10.3.0	10.4.0

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2013-06	RAN#60	R5s130316	1658	-	LTE_TDD: Addition of GCF WI-096 TD-LTE<>TDS DMA Testcase 13.3.2.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130318	1659	-	LTE_TDD: Addition of GCF WI-096 TD-LTE<>TDS DMA Testcase 9.2.1.2.1c	10.3.0	10.4.0
2013-06	RAN#60	R5s130320	1660	-	Correction to function f_DeriveSuppEutraBandsFromPics	10.3.0	10.4.0
2013-06	RAN#60	R5s130321	1661	-	Correction to EMM TC 9.2.1.1.24	10.3.0	10.4.0
2013-06	RAN#60	R5s130322	1662	-	LTE_TDD: Addition of Rel9 TD-LTE<>TDS DMA Testcase 6.2.3.33	10.3.0	10.4.0
2013-06	RAN#60	R5s130324	1663	-	Correction to GCF WI-086 E-UTRA EMM test case 9.2.1.2.8	10.3.0	10.4.0
2013-06	RAN#60	R5s130325	1664	-	Correction to the EMM Test Case 9.2.3.3.5a	10.3.0	10.4.0
2013-06	RAN#60	R5s130326	1665	-	Correction to Eutra Idle Mode TC 6.2.3.1a	10.3.0	10.4.0
2013-06	RAN#60	R5s130327	1666	-	Correction to manual PLMN selection test cases 6.1.1.3, 6.1.1.3a, 6.1.1.3b, 6.2.1.4, 9.2.1.1.13 and 9.2.1.1.13a	10.3.0	10.4.0
2013-06	RAN#60	R5s130329	1667	-	Correction to IXT px_MaxNumberROHC_ContextSessions in module EUTRA_Parameters in LTE TTCN suite.	10.3.0	10.4.0
2013-06	RAN#60	R5s130330	1668	-	Correction to EUTRA RRC test case 8.1.2.8	10.3.0	10.4.0
2013-06	RAN#60	R5s130331	1669	-	Correction for EUTRA RRC test case 8.1.3.7	10.3.0	10.4.0
2013-06	RAN#60	R5s130337	1670	-	Correction of RRC test case 8.5.4.1	10.3.0	10.4.0
2013-06	RAN#60	R5s130338	1671	-	LTE_TDD: Addition of GCF WI-096 EMM test case 9.2.3.3.4	10.3.0	10.4.0
2013-06	RAN#60	R5s130340	1672	-	Correction to GCF WI-086 test case 9.2.2.2.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130341	1673	-	Correction in LLC XID negotiation	10.3.0	10.4.0
2013-06	RAN#60	R5s130342	1674	-	LTE_TDD: Correction of GCF WI-096 test cases 8.4.2.2 and 8.4.2.4	10.3.0	10.4.0
2013-06	RAN#60	R5s130344	1675	-	Corrections to GCF WI-088 EUTRA<>HRPD and 1xRTT Test cases 8.3.2.8 and 8.3.2.10	10.3.0	10.4.0
2013-06	RAN#60	R5s130345	1676	-	LTE_TDD: Correction to GCF WI-096 EUTRA test case 13.1.2	10.3.0	10.4.0
2013-06	RAN#60	R5s130347	1677	-	Local guard timer for common preamble functions	10.3.0	10.4.0
2013-06	RAN#60	R5-131068	1557	-	Update of CDMA2000 specification references: Clause 2 of TS 36.523-3	10.4.0	11.0.0
2013-06	RAN#60	R5-131070	1558	-	Update of CDMA2000 specification references: PIXIT for TS 36.523-3	10.4.0	11.0.0
2013-06	RAN#60	R5-131125	1559	-	Clarification of CA test model	10.4.0	11.0.0
2013-06	RAN#60	R5-131129	1560	-	36523-3: Routine maintenance and updates	10.4.0	11.0.0
2013-06	RAN#60	R5-131870	1562	-	Update of CDMA2000 specification references: Annex D of TS 36.523-3	10.4.0	11.0.0
2013-09	RAN#61	R5-133612	1680	-	36523-3: Routine maintenance and updates	11.0.0	11.1.0
2013-09	RAN#61	R5s130352	1681	-	LTE_TDD: Addition of GCF WI-096 test case 13.1.4	11.0.0	11.1.0
2013-09	RAN#61	R5s130356	1682	-	LTE_TDD: Addition of GCF WI-096 test case 13.1.16	11.0.0	11.1.0
2013-09	RAN#61	R5s130376	1698	-	Improved guidance of the test operator during ETWS and CMAS test case execution	11.0.0	11.1.0
2013-09	RAN#61	R5s130378	1699	-	Correction to Generic IMS Registration procedure	11.0.0	11.1.0
2013-09	RAN#61	R5s130379	1700	-	Addition of GCF WI-167 EUTRA-UTRAN Idle Mode test case 6.2.3.33	11.0.0	11.1.0
2013-09	RAN#61	R5s130382	1701	-	Corrections to EPS Attach Procedure to enable IMS Registration via NAS signalling in 36.523 Suite	11.0.0	11.1.0
2013-09	RAN#61	R5s130384	1702	-	Correction to Idle mode test cases 6.2.3.4	11.0.0	11.1.0
2013-09	RAN#61	R5s130385	1703	-	Correction to Idle mode test cases 6.2.3.4a	11.0.0	11.1.0
2013-09	RAN#61	R5s130388	1704	-	Addition of GCF WI-162 LTE-A Carrier Aggregation RRC inter-band test case 8.5.1.7.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130389	1705	-	Re-verification of EMM Test Case 9.2.3.3.4	11.0.0	11.1.0
2013-09	RAN#61	R5s130395	1706	-	Addition of LTE-A (Rel-10) Carrier Aggregation MAC test case 7.1.4.18	11.0.0	11.1.0



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2013-09	RAN#61	R5s130397	1707	-	Addition of LTE-A (Rel-10) Carrier Aggregation RRC test case 8.3.1.18.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130400	1708	-	Addition of LTE-A (Rel-10) Carrier Aggregation RRC test case 8.3.1.17.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130402	1709	-	Addition of LTE-A (Rel-10) Carrier Aggregation RRC test case 8.3.1.22.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130404	1710	-	Addition of LTE-A (Rel-10) Carrier Aggregation RRC test case 8.2.2.3.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130406	1711	-	Addition of LTE-A Carrier Aggregation RRC inter-band test case 8.2.2.4.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130408	1712	-	Addition of LTE-A Carrier Aggregation RRC inter-band test case 8.2.2.5.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130413	1713	-	Re-verification of EMM Test Case 9.2.3.4.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130417	1714	-	Correction to template cr_SingleAccessCapAny in LTE ATS	11.0.0	11.1.0
2013-09	RAN#61	R5s130418	1683	-	LTE_TDD: Correction to EUTRA RRC TC 8.3.1.16	11.0.0	11.1.0
2013-09	RAN#61	R5s130419	1715	-	LTE/SAE ATS cleanup (... moving "modulepar" PICS to 'parameters.ttcn')	11.0.0	11.1.0
2013-09	RAN#61	R5s130420	1716	-	Correction to Eutra RRC TC 8.5.1.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130422	1717	-	Addition of GCF WI-162 LTE-A Carrier Aggregation RRC handover test case 8.2.4.18.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130426	1718	-	Correction to EUTRA multi layer Test Case 13.3.1.3	11.0.0	11.1.0
2013-09	RAN#61	R5s130428	1719	-	Correction to EUTRA EMM TC 9.2.2.1.3	11.0.0	11.1.0
2013-09	RAN#61	R5s130429	1720	-	Correction to EMM test case 9.2.2.2.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130431	1721	-	Correction to function f_EUTRA_ActivateAdditionalPDNOnDef()	11.0.0	11.1.0
2013-09	RAN#61	R5s130432	1722	-	Correction to RLC Explicit size for FACH configuration in UTRA TDD	11.0.0	11.1.0
2013-09	RAN#61	R5s130433	1723	-	Correction to function f_UTRAN_Init	11.0.0	11.1.0
2013-09	RAN#61	R5s130434	1724	-	Correction to testcase 9.2.3.2.3 & 9.2.3.2.1b	11.0.0	11.1.0
2013-09	RAN#61	R5s130436	1725	-	Correction to EUTRA Multi-Layer Test Case 13.1.9	11.0.0	11.1.0
2013-09	RAN#61	R5s130438	1726	-	Correction to GCF WI-082 EUTRA EMM Testcase 9.1.4.2	11.0.0	11.1.0
2013-09	RAN#61	R5s130440	1727	-	Correction to GCF WI-151 EUTRA FDD-TDD Testcase 8.3.1.13a	11.0.0	11.1.0
2013-09	RAN#61	R5s130441	1728	-	Correction to GCF WI-151 EUTRA FDD-TDD Testcase 8.3.1.16a	11.0.0	11.1.0
2013-09	RAN#61	R5s130442	1729	-	Correction to EUTRA RRC Test Case 8.2.4.14	11.0.0	11.1.0
2013-09	RAN#61	R5s130443	1730	-	Correction to GCF WI-151 EUTRA FDD-TDD Testcase 8.3.1.15a	11.0.0	11.1.0
2013-09	RAN#61	R5s130444	1731	-	Correction to EMM Test Case 9.2.3.1.6	11.0.0	11.1.0
2013-09	RAN#61	R5s130447	1684	-	LTE_TDD: Addition to GCF WI-096 EUTRA EMM test case 9.2.3.2.1c	11.0.0	11.1.0
2013-09	RAN#61	R5s130451	1732	-	Correction to GCF WI-086 EUTRA EMM Testcase 9.2.3.2.3	11.0.0	11.1.0
2013-09	RAN#61	R5s130452	1733	-	Correction to the naming convention of ASN.1 type controlChannelDRXInfoTDD128 for TD LTE<->TDS/DMA testcases	11.0.0	11.1.0
2013-09	RAN#61	R5s130453	1734	-	Correction to Generic IMS Registration procedure	11.0.0	11.1.0
2013-09	RAN#61	R5s130455	1735	-	Correction to functions in f_EUTRA_Preamble_EmptyCSG_AllowedList()	11.0.0	11.1.0
2013-09	RAN#61	R5s130456	1736	-	Correction to EMM Test Cases 9.2.3.2.1b and 9.2.1.2.1b	11.0.0	11.1.0
2013-09	RAN#61	R5s130471	1737	-	GCF Priority 1 - Corrections to EUTRA RRC Test Case 8.2.4.13a	11.0.0	11.1.0
2013-09	RAN#61	R5s130479	1738	-	Correction to EMM TC 9.2.3.2.1b	11.0.0	11.1.0
2013-09	RAN#61	R5s130481	1739	-	Correction to EUTRA Idle Mode TC 6.4.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130482	1740	-	Correction to EMM test cases 9.2.3.3.5 and 9.2.3.2.3	11.0.0	11.1.0
2013-09	RAN#61	R5s130483	1685	-	LTE_TDD: Addition of GCF WI-162 LTE-A Carrier Aggregation RRC intra-band test case 8.5.1.7.1	11.0.0	11.1.0

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2013-09	RAN#61	R5s130485	1686	-	LTE_TDD: Addition of GCF WI-162 LTE-A Carrier Aggregation RRC intra-band test case 8.2.2.4.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130487	1687	-	LTE_TDD: Addition of GCF WI-162 LTE-A Carrier Aggregation RRC intra-band test case 8.2.2.5.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130489	1741	-	Addition of GCF WI-162 LTE-A Carrier Aggregation RRC intra-band test case 8.5.1.7.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130493	1742	-	Addition of GCF WI-162 LTE-A Carrier Aggregation RRC intra-band test case 8.2.2.5.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130495	1743	-	Addition of GCF WI-154/ee1 EUTRA IMS Emergency Call test case 8.1.2.11	11.0.0	11.1.0
2013-09	RAN#61	R5s130498	1744	-	Corrections to PLMN values for UTRAN band VI	11.0.0	11.1.0
2013-09	RAN#61	R5s130501	1745	-	Correction to AddressInfo in PktDataProtoAddr	11.0.0	11.1.0
2013-09	RAN#61	R5s130502	1746	-	Correction to Test Case Selection Expressions for TC 6.2.2.5	11.0.0	11.1.0
2013-09	RAN#61	R5s130503	1747	-	Correction to f_EUTRA_508RRC_AddModRel_Scell_Common function	11.0.0	11.1.0
2013-09	RAN#61	R5s130505	1748	-	TTCN Correction in Test case 8.5.4.1 for optional IE checking in UE Capability Information	11.0.0	11.1.0
2013-09	RAN#61	R5s130506	1749	-	Correction to GCF WI-086 EUTRA Multilayer Testcase 13.4.2.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130507	1750	-	Correction to Selection Expressions for SMS over SGs test cases.	11.0.0	11.1.0
2013-09	RAN#61	R5s130512	1751	-	Correction to IP Handing for EUTRA<->UTRA Testcases	11.0.0	11.1.0
2013-09	RAN#61	R5s130513	1752	-	Correction to the System Information for EUTRA Testcases	11.0.0	11.1.0
2013-09	RAN#61	R5s130520	1753	-	Correction to EUTRA Idle Mode TC 6.2.2.5	11.0.0	11.1.0
2013-09	RAN#61	R5s130521	1688	-	LTE_TDD: Addition of GCF WI-096 test case 6.2.2.5	11.0.0	11.1.0
2013-09	RAN#61	R5s130523	1689	-	LTE_TDD: Addition to GCF WI-096 EUTRA Multilayer test case 13.4.2.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130527	1754	-	Addition of LTE-A ZUC test case 7.3.3.5 for FDD	11.0.0	11.1.0
2013-09	RAN#61	R5s130529	1755	-	Addition of LTE-A ZUC test case 7.3.3.6 for FDD	11.0.0	11.1.0
2013-09	RAN#61	R5s130531	1756	-	Addition of LTE-A ZUC test case 7.3.4.3 for FDD	11.0.0	11.1.0
2013-09	RAN#61	R5s130533	1757	-	Addition of LTE-A ZUC test case 9.4.5 for FDD	11.0.0	11.1.0
2013-09	RAN#61	R5s130535	1758	-	Addition of LTE-A ZUC test case 9.4.6 for FDD	11.0.0	11.1.0
2013-09	RAN#61	R5s130537	1759	-	Correction to f_UT_CheckETWS_CMAS_NoAlert	11.0.0	11.1.0
2013-09	RAN#61	R5s130538	1690	-	LTE_TDD: Addition of GCF WI-169 test case 8.1.3.6a	11.0.0	11.1.0
2013-09	RAN#61	R5s130540	1760	-	Correction to GCF WI-081 EUTRA MAC Testcase 7.1.5.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130545	1761	-	Correction to LTE-GERAN test case 13.4.2.5	11.0.0	11.1.0
2013-09	RAN#61	R5s130546	1762	-	Correction to LTE-GERAN Idle Mode testcase 6.2.3.1	11.0.0	11.1.0
2013-09	RAN#61	R5s130547	1763	-	Correction to GCF WI-096 EUTRA EMM Testcase 9.2.3.2.1b	11.0.0	11.1.0
2013-09	RAN#61	R5s130548	1691	-	LTE_TDD : Addition of LTE-A ZUC test case 7.3.3.5	11.0.0	11.1.0
2013-09	RAN#61	R5s130550	1692	-	LTE_TDD : Addition of LTE-A ZUC test case 7.3.3.6	11.0.0	11.1.0
2013-09	RAN#61	R5s130552	1693	-	LTE_TDD : Addition of LTE-A ZUC test case 7.3.4.3	11.0.0	11.1.0
2013-09	RAN#61	R5s130554	1694	-	LTE_TDD : Addition of LTE-A ZUC test case 9.4.6	11.0.0	11.1.0
2013-09	RAN#61	R5s130556	1695	-	LTE_TDD : Addition of LTE-A ZUC test case 9.4.5	11.0.0	11.1.0
2013-09	RAN#61	R5s130558	1764	-	Correction to Ciphering configuration for UTRA TDD	11.0.0	11.1.0
2013-09	RAN#61	R5s130559	1765	-	Correction to DL RB0 configuration and BCCH configuration for UTRA TDD	11.0.0	11.1.0
2013-09	RAN#61	R5s130577	1696	-	LTE_TDD: Addition of GCF WI-169 test case 6.2.3.4a	11.0.0	11.1.0
2013-09	RAN#61	R5s130587	1766	-	Addition of HeNB test case 6.3.9	11.0.0	11.1.0

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2013-09	RAN#61	R5s130589	1767	-	Correction to EMM Testcase 9.2.1.2.11	11.0.0	11.1.0
2013-09	RAN#61	RP-131108	1697	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	11.0.0	11.1.0