Source: **T1**

Title: **TTCN CRs cat.F to TS 34.123-3 v.3.5.1, v.3.5.2, v.3.6.0 and v.3.6.1 for approval**

Agenda item: **5.1.3**

Document for: **Approval**

This document contains the category F CRs to TTCN part of TS 34.123-3 v.3.5.1, v.3.5.2, v.3.6.0 and v.3.6.1. These CRs have been agreed by T1 and are put forward to TSG T for approval.

Doc-2nd-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New
T1s040236	34.123-3	394	-	R99	TTCN correction to P2 test case 8.1.10.1	F	3.5.2	3.7.0
T1s040334	34.123-3	395	-	R99	Correction to Approved RRC Package 1 TC 8.3.1.1	F	3.5.1	3.7.0
T1s040335	34.123-3	396	-	R99	Correction to Package 2 NAS MM test case 9.4.2.2.1 to validate of LOCATION UPDATE REQUEST message and disable ATT flag.	F	3.5.1	3.7.0
T1s040336	34.123-3	397	-	R99	Correction to RRC Package 2 TC 8.4.1.18 and TC 8.4.1.19 for inconsistency in System Information Block 12.	F	3.5.1	3.7.0
T1s040341	34.123-3	398	-	R99	Correction to Approved Package 1 RRC TC 8.1.2.2	F	3.5.1	3.7.0
T1s040347	34.123-3	399	-	R99	Corrections to RRC test case 6.2.1.1	F	3.5.1	3.7.0
T1s040349	34.123-3	400	-	R99	Corrections to RRC test case 6.2.1.6	F	3.5.1	3.7.0
T1s040351	34.123-3	401	-	R99	Correction to Approved RRC Package 1 TC 8.3.4.2	F	3.5.0	3.7.0
T1s040363	34.123-3	402	-	R99	Correction to Approved RRC Package 2 TC 8.2.4.3	F	3.5.0	3.7.0
T1s040366	34.123-3	403	-	R99	Correction to Approved RRC Package 1 TC 8.3.4.3	F	3.6.0	3.7.0
T1s040367	34.123-3	404	-	R99	Regression error corrections to wk17, wk20 and wk23.	F	3.6.1	3.7.0
T1s040374	34.123-3	405	-	R99	TTCN Correction to GCF P2 IR_U 8.3.7.1 & 8.3.7.4	F	3.6.0	3.7.0
T1s040375	34.123-3	406	-	R99	Correction to Package 2 NAS CCMM test cases 9.4.8; for removal of 'USIM removal possible while UE is powered' support.	F	3.6.1	3.7.0
T1s040376	34.123-3	407	-	R99	Correction to RRC TC 8.3.2.4 on value of the wait timer started for the UE to enter Idle mode.	F	3.6.1	3.7.0
T1s040377	34.123-3	408	-	R99	Correction to RRC Package 2 TC 8.2.1.9 to handle cell update before configuring radio bearer from DCH to FACH.	F	3.6.1	3.7.0

T1s040378	34.123-3	409	-	R99	Correction to RRC TC 8.2.6.19 and 8.2.6.20 to add delay before switching to CELL_PCH/URA_PCH	F	3.6.1	3.7.0
T1s040383	34.123-3	410	-	R99	Correction to Package 3 RAB test case 14.2.27, 14.2.29, 14.2.31.1and 14.2.32.1 for the dl_TxPower in DL DPCH Info during Radio Bearer Setup at the SS.	F	3.6.1	3.7.0
T1s040384	34.123-3	411	-	R99	Correction to Package 2 RAB test case 14.4.3	F	3.6.1	3.7.0
T1s040389	34.123-3	412	-	R99	Correction to test steps “ts_ReceiveFirstSDUs_RB10” and “ts_ReceiveFirstSDUs_RB13” of Package 3 RAB test case 14.2.49.1	F	3.6.1	3.7.0
T1s040390	34.123-3	423	-	R99	TTCN Correction to test case 8.4.1.1 to RRC ATS V3.6.0	F	3.6.0	3.7.0
T1s040402	34.123-3	413	-	R99	Correction to GMM Package 2 approved TC 12.6.1.2 in handling Attach procedure.	F	3.6.1	3.7.0
T1s040403	34.123-3	414	-	R99	Delay to ensure the proper transmission of Cell Update Confirm in 8.3.4.2.	F	3.6.1	3.7.0
T1s040420	34.123-3	415	-	R99	Guard timer setting if registration is made to a PLMN different from the normal one	F	3.6.1	3.7.0
T1s040422	34.123-3	416	-	R99	Correction to RRC Package 2 TC 8.3.1.31.	F	3.6.1	3.7.0
T1s040423	34.123-3	417	-	R99	Correction to Package 2 RAB test case 14.4.3 to assign tcv_CN_Domain.	F	3.6.1	3.7.0
T1s040424	34.123-3	418	-	R99	Addition of a delay after reception of an RRC Connection Release Complete Message	F	3.6.1	3.7.0
T1s040425	34.123-3	419	-	R99	General correction for test cases where UE is switched off Cell(s) relased and reconfigured	F	3.6.1	3.7.0
T1s040426	34.123-3	422	-	R99	Correction to Approved RRC Package 2 TC 8.3.1.22	F	3.6.0	3.7.0
T1s040429	34.123-3	420	-	R99	Corrections to RRC Package 3 TC 8.4.1.29 and 8.4.1.30.	F	3.6.1	3.7.0
T1s040478	34.123-3	421	-	R99	Correction to RRC TC 8.2.3.8 in ts_RRC_ReceiveRB_SetupCmpl.	F	3.6.1	3.7.0

3GPP TSG-T1 Meeting #23
Beijing, China, 10th – 14th May 2004

Tdoc ⌘T1s040236

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **394** ⌘ **rev** **-** ⌘ Current version: **3.5.2** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	TTCN correction to P2 test case 8.1.10.1
Source:	⌘	Nokia
Work item code:	⌘	N/A
Date:	⌘	07/05/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	P2 test case 8.1.10.1 is changed so that both UEs performing manual attach and UEs performing auto attach to PS services are taken into account. This change is based on the principle agreed in T1#22.
Summary of change:	⌘	ts_NAS_SignallingConnectionRelease in RRC_wk17 changed
Consequences if not approved:	⌘	Test case 8.1.10.1 will not work for UEs performing manual attach to the PS services.

Clauses affected:	⌘	ts_NAS_SignallingConnectionRelease			
		Y	**N**		
Other specs affected:	⌘		X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘	Note: Prose correction to 34.123-1 is not needed because the expected sequence step 2 in TC 8.1.10.1 simply specifies “Disconnection of call”.			

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Test step name	ts_NAS_SignallingConnectionRelease
Reason for change	UE performing manual attach to PS services may optionally send a “Detach Request” message and the SS needs to reply to that with a “Detach Accept” message.
Summary of change	Detach Request – Detach Accept message sequence added. This has been implemented in the same way as the TTCN changes for approved CR T1-040353 (Corrections to PDP context deactivation test cases). The UE then needs to be triggered to reattach to continue with the test case.

Before the change:

3		+ ts_DeactivatePDP_ContextMT (p_CellId, tcv_TI_S, tsc_RejCauPDP_CtxtDeact)				
2		[TRUE]				6.

After the change:

3		+ ts_DeactivatePDP_ContextMT (p_CellId, tcv_TI_S, tsc_RejCauPDP_CtxtDeact)				
4		START t_3390				
5		Dc ? RRC_DataInd CANCEL t_3390	car_PS_UplinkDirectTransfer (tsc_CellDedicated , tsc_RB3, cr_DetachRequest_MO)	(P)	UE may optionally send a Detach Request message	
6		Dc ! RRC_DataReq	ca_PS_DataReq (tsc_CellDedicated , tsc_RB3, cs_DetachAcc)		SS responds with Detach Accept message if a Detach Request was transmitted by the UE	
7		+It_TriggerAttach			UE must then be triggered to reattach	
5		?TIMEOUT t_3390				
2		[TRUE]			6.	
It_TriggerAttach						

0		START t_WaitS (1)			Wait 1s to allow UE to relax
1		?TIMEOUT t_WaitS			
2		START t_WaitS (60)			
3		+ts_AT_TriggerGMM_Attach			trigger UE to initiate GMM Attach
4		Dc ? RRC_DataInd CANCEL t_WaitS	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_AttachTypeAny, c_MobileIdAny_lv, c_RAI_Any_v, ?))		ATTACH REQUEST
5		+lt_AttachAccept			ATTACH ACCEPT ATTACH COMPLETE
4		? TIMEOUT t_WaitS		F	IF UE doesn't respond to Attach triggered Fail the UE.
lt_AttachAccept					
0		(tcv_AssignedTMSI :=px_TMSI_Def, tcv_AssignedPTMSI :=px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)			Use default values
1		[tcv_Use_E_PLMN = FALSE]			
2		Dc ! RRC_DataReq	ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_AttachAcc (c_GMM_AttachResult ('011'B), c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.mnc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac),		ATTACH ACCEPT for combined CS/PS - Attach result 'GPRS/IMSI attached' - RAI default - P-TMSI signature - MobileId P-TMSI - defaut TMSI

			c_PTMSI_Signature (tcv_Assigned_PTMSI_Sig), c_MobileIdPTMSI (tcv_AssignedPTMSI), c_GMM_MobileIdTMSI (tcv_AssignedTMSI)))		
3		Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_AttachComplete)		ATTACH COMPLETE
1		[TRUE]			[tcv_Use_E_PLMN = TRUE]
2		Dc ! RRC_DataReq	ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_AttachAccE_PLMN (c_GMM_AttachResult ('011'B), c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.mnc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac), c_PTMSI_Signature (tcv_Assigned_PTMSI_Sig), c_MobileIdPTMSI (tcv_AssignedPTMSI), c_GMM_MobileIdTMSI (tcv_AssignedTMSI), tcv_E_PLMN))		ATTACH ACCEPT for combined CS/PS - Attach result 'GPRS/IMSI attached' - RAI default - P-TMSI signature - MobileId P-TMSI - defaut TMSI - equivalent PLMN list
3		Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_AttachComplete)		ATTACH COMPLETE

3GPP TSG-T1 E-Mail 2004
01 Jan - 31 Dec 2004

Tdoc ⌘T1S040334

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **395** ⌘ **rev** **-** ⌘ Current version: **3.5.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Approved RRC Package 1 TC 8.3.1.1
Source:	⌘	Ericsson
Work item code:	⌘	TEI
Date:	⌘	26/05/2004
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. At step 27, in the expected sequence, the message CELL_UPDATE_CONFIRM is sent from the SS. This message should according to the "specific message contents" consist of default IE except for the new_C_RNTI and rb_InformationReleaseList. But TTCN also erroneously puts information into rb_InformationAffectedList, which should be set to OMIT according to the default CELL_UPDATE_CONFIRM message.
Summary of change:	⌘	1. Replace the input parameter c_RB_Affected8_3_1_1 (tsc_RB4, tsc_UL_DCCH4, tsc_UL_MAC_Prt4, tsc_DL_DCCH4) with OMIT
Consequences if not approved:	⌘	TC will not be according to prose and it could fail a conformant UE.

Clauses affected:	⌘	tc_8_3_1_1

Other specs affected:	⌘	Y	N		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	

Other comments:	⌘	Affects R99, Rel4 and Rel5 UEs.

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Before:

tc_8_3_1_1

Test Case Name	tc_8_3_1_1
Group	RRC/RRC_CellUpdate/
Purpose	1. To confirm that the UE executes a cell update procedure after the successful reselection c sends the correct uplink response message when executing cell update procedure due to ce
Configuration	
Default	RRC_Def1
Comments	
Selection Ref	RRC_FDD_PS
Description	Cell Update: cell reselection in CELL_FACH

Nr	Label	Behaviour Description	Constraints Ref
1		START t_Guard	
		.....	
86		[tcv_K=4]	
87		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoB.uRNTI, tcv_CellInfoA.cRNTI)	
88		UM ! RLC_UM_DATA_REQ (tcv_CellInfoA.cRNTI := tsc_CRNTI_Id2)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB cs_CellUpdateCnfGenericD tcv_CellIndInfo.dl_Integrity(tcv_RRC_Ti, OMIT, tsc_CR cell_FACH, c_RB_RlsList4, c_RB_Affected8_3_1_1 (ts tsc_UL_DCCH4, tsc_UL_M tsc_DL_DCCH4) , OMIT, C OMIT))

After:

tc_8_3_1_1

Test Case Name	tc_8_3_1_1
Group	RRC/RRC_CellUpdate/
Purpose	1. To confirm that the UE executes a cell update procedure after the successful reselection c sends the correct uplink response message when executing cell update procedure due to ce
Configuration	
Default	RRC_Def1
Comments	
Selection Ref	RRC_FDD_PS
Description	Cell Update: cell reselection in CELL_FACH

Nr	Label	Behaviour Description	Constraints Ref
1		START t_Guard	
		.....	
86		[tcv_K=4]	
87		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoB.uRNTI, tcv_CellInfoA.cRNTI)	
88		UM ! RLC_UM_DATA_REQ (tcv_CellInfoA.cRNTI := tsc_CRNTI_Id2)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB cs_CellUpdateCnfGenericD tcv_CellIndInfo.dl_Integrity(tcv_RRC_Ti, OMIT, tsc_CR cell_FACH, c_RB_RlsList4, OMIT, OMIT , OMIT))

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** 396 ⌘ **rev** - ⌘ Current version: **3.5.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Package 2 NAS ~~CC~~MM test case 9.4.2.2.1 to validate of LOCATION UPDATE REQUEST message and disable ATT flag.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	27/05/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. TS 34.123-1 section 9.4.2.2.4.1 Expected Sequence specifies, At Step#7 LOCATION UPDATE REQUEST message with the following parameters *"location updating type" = normal, "CKSN" = CKSN1, "LAI" = c, "Mobile Identity" = TMSI1*. In TTCN implementation of tc_9_4_2_2_1 step#21 does not verify the mentioned parameters of LOCATION UPDATE REQUEST message. 2. TS 34.123-1 section 9.4.2.2.4.1 Initial Conditions specifies, *IMSI attach/detach is allowed in cells A and B **but not in cell C*** In TTCN implementation of tc_9_4_2_2_1, ATT flag for cell A is not disabled (TS 34.123-1 9.4.2.2.4.1 specified cell C is implemented as cell A in TTCN).
Summary of change:	⌘	1. TS 34.123-3 tc_9_4_2_2_1 step#21 corrected to validate LOCATION UPDATE REQUEST message for following parameters *"location updating type" = normal, "CKSN" = CKSN1, "LAI" = c, "Mobile Identity" = TMSI1.* 2. TS 34.123-3 tc_9_4_2_2_1 corrected to disable ATT flag for cell A.
Consequences if not approved:	⌘	The test case TTCN implementation is not compliant with TS 34.123-1.

Clauses affected:	⌘	TS 34.123-3 NAS ATS tc_9_4_2_2_1.

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1 :

Test step name	tc_9_4_2_2_1, local tree lt_Cont
Reason for change	At step#21 SS received LOCATION UPDATE REQUEST message needs to be verified for following parameters : l*ocation* updating type, CKSN, LAI and Mobile Identity
Summary of change	At step#21 test step *ts_MM_LupRej2* is used to validate parameters in place of test step *ts_MM_LupRej.*
Source of change	

Before change :

20		+ts_MM_PLMN_SelPerf(tcv_CellInfoE.mnc)			Step 3 3.
21		+ts_MM_LupRej(tsc_CellE, tsc_RejCauPLMN_Not, tsc_LUT_Normal)			Steps 4-10: 4.

After change:

20		+ts_MM_PLMN_SelPerf(tcv_CellInfoE.mnc)			Step 3 3.
21		+ts_MM_LupRej2(tsc_CellE, tsc_RejCauPLMN_Not, c_MobileIdTMSI_lv, tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tsc_LAC_3, tsc_LUT_Normal, tcv_CS_KeySeq)			Steps 4-10: 4.

Change 2 :

Test step name	tc_9_4_2_2_1
Reason for change	ATT flag for cell A is not disabled in preamble.
Summary of change	Step#5 modified to include *tcv_CellInfoA.attFlag:= tsc_AttOff*
Source of change	

Before change:

4		(tcv_CN_Domain:=cs_domain, tcv_NumOfPLMN:=2)			Sets domain for testing and initializes the number of PLMNs
5		(tcv_CellInfoA.mnc:=tsc_MNC_010, tcv_CellInfoA.lac:= tsc_LAC_3)			Set specific values for Cell A

After change:

4		(tcv_CN_Domain:=cs_domain, tcv_NumOfPLMN:=2)			Sets domain for testing and initializes the number of PLMNs
5		(tcv_CellInfoA.mnc:=tsc_MNC_010, tcv_CellInfoA.lac:= tsc_LAC_3, tcv_CellInfoA.attFlag:= tsc_AttOff)			Set specific values for Cell A

<< End of document>>

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 397** ⌘ **rev -** ⌘ Current version: **3.5.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ [ ] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction to RRC Package 2 TC 8.4.1.18 and TC 8.4.1.19 for inconsistency in System Information Block 12.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	27/04/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. The test specification defines for **SYSTEM INFORMATION TYPE 12** (step 33, FDD)as specific message content: - new intra-frequency cells for Intra-frequency cell ID = **1** only - Inter-frequency measurement system information = **not present.** But currenty new intra-frequency cell id = 2, 6 and 7 are also included in SIB 12. Also the Inter-frequency measurement system information is present, containing settings for ID = 3, 4 and 5.
Summary of change:	⌘	1. ASN.1 Type Constraint Declaration **c_SIB12_ModifiedTrafficVolume** is modified for intra-frequency measurement system info to contain setting for cell ID 1 only and inter-frequency measurement system info is deleted.
Consequences if not approved:	⌘	Test case will not be compliant with 34.123-1.

Clauses affected:	⌘	N.A.

Other specs affected: ⌘

Y	N	
	X	Other core specifications
	X	Test specifications
	X	O&M Specifications

⌘

Other comments: ⌘

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1:

ASN.1 Type Constraint Declaration	**c_SIB12_ModifiedTrafficVolume**
Reason for change	1. The test specification defines for **SYSTEM INFORMATION TYPE 12** (step 33, FDD)as specific message content: - new intra-frequency cells for Intra-frequency cell ID = **1** only - Inter-frequency measurement system information = **not present.** But currenty new intra-frequency cell id = 2, 6 and 7 are also included in SIB 12. Also the Inter-frequency measurement system information is present, containing settings for ID = 3, 4 and 5.
Summary of change	1. ASN.1 Type Constraint Declaration **c_SIB12_ModifiedTrafficVolume** is modified for intra-frequency measurement system info to contain setting for cell ID 1 only and inter-frequency measurement system info is deleted.
Source of change	New change

TTCN before change:

Constraint Value

```
{
fach_MeasurementOccasionInfo OMIT,
measurementControlSysInfo {
 use_of_HCS hcs_not_used : {
  cellSelectQualityMeasure cpich_RSCP : {
   intraFreqMeasurementSysInfo {
    intraFreqMeasurementID p_IntraFreqMeasurementID,
    intraFreqCellInfoSI_List {
     removedIntraFreqCellList removeNoIntraFreqCells : NULL,
     newIntraFreqCellList {
      {
       intraFreqCellID p_IntraCellInfo2.cellId,
       cellInfo {
        cellIndividualOffset 0,
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
         primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo2.priScrmCode },
         readSFN_Indicator TRUE,
         tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo {
         q_OffsetS_N 0,
         maxAllowedUL_TX_Power 21,
         modeSpecificInfo fdd :
         {
          q_QualMin -24 ,
          q_RxlevMin -39 -- IE*2+1 = -79
         }
        }
       }
      },
      {
       intraFreqCellID p_IntraCellInfo3.cellId,
       cellInfo {
        cellIndividualOffset 0,
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
         primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo3.priScrmCode },
         readSFN_Indicator TRUE,
         tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo {
         q_OffsetS_N 0,
         maxAllowedUL_TX_Power 21,
         modeSpecificInfo fdd :
         {
          q_QualMin -24 ,
          q_RxlevMin -39 -- IE*2+1 = -79
         }
        }
       }
      },
```

```
      {
       intraFreqCellID p_IntraCellInfo7.cellId,
       cellInfo {
        cellIndividualOffset 0,
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
         primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo7.priScrmCode },
         readSFN_Indicator TRUE,
         tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo {
         q_OffsetS_N 0,
         maxAllowedUL_TX_Power 21,
         modeSpecificInfo fdd :
         {
          q_QualMin -24 ,
          q_RxlevMin -39 -- IE*2+1 = -79
         }
        }
       }
      },
      {
       intraFreqCellID p_IntraCellInfo8.cellId,
       cellInfo {
        cellIndividualOffset 0,
        referenceTimeDifferenceToCell OMIT,
        modeSpecificInfo fdd : {
         primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo8.priScrmCode },
         readSFN_Indicator TRUE,
         tx_DiversityIndicator FALSE
        },
        cellSelectionReselectionInfo {
         q_OffsetS_N 0,
         maxAllowedUL_TX_Power 21,
         modeSpecificInfo fdd :
         {
          q_QualMin -24 ,
          q_RxlevMin -39 -- IE*2+1 = -79
         }
          .
        }
       }
     }}
},
interFreqMeasurementSysInfo {
 interFreqCellInfoSI_List {
  removedInterFreqCellList OMIT,
  newInterFreqCellList { {
    interFreqCellID p_InterCellInfo4.cellId,
    frequencyInfo p_InterCellInfo4.frequencyInfo,
    cellInfo {
     cellIndividualOffset 0,
     referenceTimeDifferenceToCell OMIT,
     modeSpecificInfo fdd : {
      primaryCPICH_Info { primaryScramblingCode p_InterCellInfo4.priScrmCode },
      readSFN_Indicator TRUE,
      tx_DiversityIndicator FALSE
     },
```

```
    cellSelectionReselectionInfo {
     q_OffsetS_N 0,
     maxAllowedUL_TX_Power 21,
     modeSpecificInfo fdd :
     {
      q_QualMin -24 ,
      q_RxlevMin -39 -- IE*2+1 = -79
     }
    }
   }
  },
  {
   interFreqCellID p_InterCellInfo5.cellId,
   frequencyInfo p_InterCellInfo5.frequencyInfo,
   cellInfo {
    cellIndividualOffset 0,
    referenceTimeDifferenceToCell OMIT,
    modeSpecificInfo fdd : {
     primaryCPICH_Info { primaryScramblingCode p_InterCellInfo5.priScrmCode },
     readSFN_Indicator TRUE,
     tx_DiversityIndicator FALSE
    },
    cellSelectionReselectionInfo {
     q_OffsetS_N 0,
     maxAllowedUL_TX_Power 21,
     modeSpecificInfo fdd :
     {
      q_QualMin -24 ,
      q_RxlevMin -39 -- IE*2+1 = -79
     }
    }
   }
  },

  {
   interFreqCellID p_InterCellInfo6.cellId,
   frequencyInfo p_InterCellInfo6.frequencyInfo,
   cellInfo {
    cellIndividualOffset 0,
    referenceTimeDifferenceToCell OMIT,
    modeSpecificInfo fdd : {
     primaryCPICH_Info { primaryScramblingCode p_InterCellInfo6.priScrmCode },
     readSFN_Indicator TRUE,
     tx_DiversityIndicator FALSE
    },
    cellSelectionReselectionInfo {
     q_OffsetS_N 0,
     maxAllowedUL_TX_Power 21,
     modeSpecificInfo fdd :
     {
      q_QualMin -24 ,
      q_RxlevMin -39 -- IE*2+1 = -79
     }
    }
   }
  }
```

```
      } }}
    } ,
    interRATMeasurementSysInfo OMIT
   },
   trafficVolumeMeasSysInfo {
    trafficVolumeMeasurementID p_TrafficVolumeMeasurementID,
    trafficVolumeMeasurementObjectList p_TrafficVolumeMeasurementObjectList,
    trafficVolumeMeasQuantity p_TrafficVolumeMeasQuantity,
    trafficVolumeReportingQuantity
    {
     rlc_RB_BufferPayload p_RLC_RB_BufferPayload,
     rlc_RB_BufferPayloadAverage FALSE,
     rlc_RB_BufferPayloadVariance p_RLC_RB_BufferPayloadVariance
    },
    measurementValidity p_MeasurementValidity,
    measurementReportingMode {
     measurementReportTransferMode p_MeasurementReportTransferMode, --acknowledgedModeRLC,
     periodicalOrEventTrigger p_PeriodicalOrEventTrigger --periodical
    },
    reportCriteriaSysInf p_TrafficVolumeReportCriteriaSysInfo
   }
  },
  nonCriticalExtensions OMIT
}
```

TTCN after change:

Constraint Value

```
{
 fach_MeasurementOccasionInfo OMIT,
 measurementControlSysInfo {
  use_of_HCS hcs_not_used : {
   cellSelectQualityMeasure cpich_RSCP : {
    intraFreqMeasurementSysInfo {
     intraFreqMeasurementID p_IntraFreqMeasurementID,
     intraFreqCellInfoSI_List {
      removedIntraFreqCellList removeNoIntraFreqCells : NULL,
      newIntraFreqCellList {
       {
        intraFreqCellID p_IntraCellInfo2.cellId,
        cellInfo {
         cellIndividualOffset 0,
         referenceTimeDifferenceToCell OMIT,
         modeSpecificInfo fdd : {
          primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo2.priScrmCode },
          readSFN_Indicator TRUE,
          tx_DiversityIndicator FALSE
         },
         cellSelectionReselectionInfo {
          q_OffsetS_N 0,
          maxAllowedUL_TX_Power 21,
          modeSpecificInfo fdd :
          {
           q_QualMin -24 ,
           q_RxlevMin -39 -- IE*2+1 = -79
          }
         }
        }
       }}
    },
    interFreqMeasurementSysInfo OMIT
   },
   interRATMeasurementSysInfo OMIT
  },
  trafficVolumeMeasSysInfo {
   trafficVolumeMeasurementID p_TrafficVolumeMeasurementID,
   trafficVolumeMeasurementObjectList p_TrafficVolumeMeasurementObjectList,
   trafficVolumeMeasQuantity p_TrafficVolumeMeasQuantity,
   trafficVolumeReportingQuantity
   {
    rlc_RB_BufferPayload p_RLC_RB_BufferPayload,
    rlc_RB_BufferPayloadAverage FALSE,
    rlc_RB_BufferPayloadVariance p_RLC_RB_BufferPayloadVariance
   },
   measurementValidity p_MeasurementValidity,
   measurementReportingMode {
    measurementReportTransferMode p_MeasurementReportTransferMode, --acknowledgedModeRLC,
    periodicalOrEventTrigger p_PeriodicalOrEventTrigger --periodical
   },
   reportCriteriaSysInf p_TrafficVolumeReportCriteriaSysInfo
  }
 },
 nonCriticalExtensions OMIT
}
```

3GPP TSG-T1 E-Mail 2004
01 Jan - 31 Dec 2004

Tdoc ⌘T1s040341

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **398** ⌘ **rev** **-** ⌘ Current version: **3.5.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Approved Package 1 RRC TC 8.1.2.2
Source:	⌘	Racal Instruments Wireless Solutions, an Aeroflex Company
Work item code:	⌘	N/A
Date:	⌘	14/06/2004
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	Correction to Approved Package 1 RRC Test Case 8.1.2.2
Summary of change:	⌘	This document lists all changes applied to test case 8.1.2.2 required for approval. See detailed decription for more information.
Consequences if not approved:	⌘	Test case will not follow the coding guidelines of 34.123-3, and the test case is not following the prose.

Clauses affected:	⌘	8.1.2.2			
Other specs affected:	⌘	**Y** / **N**	Other core specifications	⌘	34.123-1
		☐ / ☒	Test specifications		
		☒ / ☐	O&M Specifications		
Other comments:	⌘	Impact on 34.123-1. Proposed changes in this CR will be incorporated in the Prose CR T1-041003.			

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Title:	**Changes to test case 8.1.2.2 required for approval**
Source:	Racal Instruments Wireless Solutions, an Aeroflex Company
Document for:	Email Approval
Contact:	**Kundan Sehmbey** kundan.sehmbey@aeroflex.com Tel. +44 1628 610639

1 Overview

This document gives details of the changes made to TTCN implementation for test case 8.1.2.2, which is part of RRC iWD_wk23 test suite. Minimum changes are made so that it can be executed with one or more 3G UE.

2 2 Table of Contents

1 Overview 3

2 2 Table of Contents 4

3 Verification Test Summary 5

4 Corrections required for test case 8.1.2.2 5

4.1 Introduction 5
4.2 Presentation of the modifications 5
4.3 Change 1 - test case tc_8_1_2_2 7
4.4 Change 2 - Test step name ts_SendSIB5_BMC 11
4.5 Change 3 - constraint cb_SIB5_2PRACH 19
4.6 Change 4 - New test step ts_SysInfoModifySIB1_SIB5_SIB7_RRC 20
4.7 Change 5 - New test step ts_ReconfigSRBs_DTCH_toSecondRACH 20
4.8 Change 6 - New constraint c_TrLogMappingRACH2_DTCH 21
4.9 Changes referred to from previous CRs 21

5 Branches executed in test case 8.1.2.2 22

6 Execution Log Files 22

7 References 22

3 Verification Test Summary

Test Case: tc_8_1_2_2

Test Group: RRC

ATS Version: iWD_wk23 + modifications

System Simulator used: Racal Instruments Wireless Solution 6401 AIME/CT

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 8.1.2.2

4.1 Introduction

The TTCN ATS used is RRC iWD_wk23.mp which is part of the iWD-TVB2003-03_D04wk23 release. The agreed changes/comments have been implemented by MCC160.

4.2 Presentation of the modifications

The changes done are described below in tables, and are also supported by **screenshots** taken from the relevant parts of changed TTCN objects in TTCN.GR format.

The tables used in the following session is described below with an example below

Table 1: Example Change Table

TTCN object	*tc_8_1_2_2*
Reference ATS	*RRC*
Change Label	*RACAL#RRC_0201*
Reason for change	*<Textual description of change reason>*.
Summary of change	*<Textual description of performed changes>*
Other affected objects	*< other fields affected>* (optional)
ETSI comment	
Racal conclusion	

TTCN object: Identifier(s) of one or more TTCN objects having a global context in the TTCN ATS. Typically only one TTCN object occurs. More than one object is listed only, when:

a) All objects belong to the same TTCN Object Class; and

b) All objects are either created, or are modified in the same systematic way; and

c) No other change is proposed for the listed objects.

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the current change description applies.

Change Label: Textual identifier starting with the fixed string '*RACAL#IR_U*', followed by a 4-digit number (e.g. *RACAL#IR_U* 0101). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.

Reason for change: Textual description of the reason why the change is proposed.

Summary of change: Short description of what is proposed for change.

Other affected objects: List of one or more fields, pointing to other TTCN objects having assigned the same Change Label, i.e. all other objects being affected by the problem-giving rise to the current Change Label.

ETSI comment: ETSI colleagues giving a dedicated reply to the current CR document may use this field.

RACAL conclusion: Filled by the Racal Instruments Wireless Solution when ETSI answer does not indicate acceptance of the change request.

4.3 Change 1 - test case **tc_8_1_2_2**

	tc_8_1_2_2 – Reason for change	tc_8_1_2_2 – Summary of change
1	In line 5, sysinfo 5 is broadcast with 2 PRACHs. During ts_IdleUpdated, UE may use the second PRACH to send RRC CONNECTION REQUEST, but ts_IdleUpdated is not taking care of the second PRACH, only tsc_RB0 is used.	replace cb_SIB5_2PRACH by c_Sib5_Def in line 5.
2	In line 17, in the step ts_SysInfoModifySIB5_SIB7_RRC , sysinfo 5 and 7 are broadcast using the default scheduling. This is not correct because the configuration with 2 PRACH requires the 2 PRACH scheduling as defined in 34.123-3 section 8.4.4.1.	A new test step is proposed ts_SysInfoModifySIB1_SIB5_SIB7_RRC (the step is only used by this test case).
3	In line 17, sysInfo 1 is broadcast using ts_SysInfoModifySIB1_RRC. But ts_SysInfoModifySIB1_RRC is using the default scheduling; the configuration with 2 PRACH requires the scheduling of MultiRat.	Same as 2.
4	According to the prose, step 1 : Paging Type 1 shall be sent "with the "Value Tag" different from the "MIB Value Tag" of the current Master Information Block", this is not done in TTCN.	send PAGING TYPE 1 with tcv_MIB.mib_ValueTag +1 in line 15.
5	In line 23, Invalid RRC Connection Setup message is sent on incorrect cell (tsc_CellDedicated is used instead of tsc_CellA).	Line 23, replace tsc_CellDedicated with tsc_CellA.
6	Line 23, According to the prose, step 6 : RRC Connection Setup message should be sent with rrc_StateIndicator set to cell_PCH.	Line 23, replace cs_InvalidRRC_ConSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti)) with cdr_RRC_InvalidConnSetupPCH_UE_CapabilityUpdate (tcv_InitialUE_Id, tcv_RRC_Ti, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI , tcv_CellInfoA.uL_ScramblingCode))
7	IF UE selects Second PRACH, SRBs and DTCH Mapping needs to be changed to second RACH.	Created new test step ts_ReconfigSRBs_DTCH_toSecondRACH and new contraint c_TrLogMappingRACH2_DTCH.

Change 1 (cont).

Test Case

Test Case Id:	tc_8_1_2_2
Test Group Reference:	RRC/RRC_ConnMgmt/
Purpose:	To confirm that the UE retries to establish the RRC connection until V300 is greater than N300 after the expiry of timer T300 when the SS transmits no response for an RRC CONNECTION REQUEST message.
Configuration:	
Defaults:	RRC_DefConnEst
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+ ts_RRC_InitVariables (cell_FACH)			
4		+ ts_SS_CreateCellFACH_2_PRACH (tsc_CellA)			Configure lower tester
5		~~+ ts_SendSysInfo_2PRACH (tsc_CellA, cb_SIB5_2PRACH (tcv_CellInfoA))~~			~~Sends the system information in CellA for 2 PRACH~~
6		+ ts_SendSysInfo_2PRACH (tsc_CellA, cb_SIB5_Def (tcv_CellInfoA))			Sends the system information in CellA for 2 PRACH @sic Racal sic@
7		+ ts_IdleUpdated (tsc_CellA)			Idle Update
8	TBS	(tcv_TestBody := TRUE)			
9		+ lt_TestBody			
10	TBE	(tcv_TestBody := FALSE)			
11		+ po_ConnectionAndSS_Rel (tsc_CellA)			Release the RRC Connection
12	ERR1	[px_RAT=tdd]		I	TDD specific behaviour
13	ERR2	[TRUE]		I	
lt_TestBody					
14		+ ts_CMAC_Pag1_Cfg (tsc_CellA)			
15		+ ts_RRC_Delay (tsc_WaitBeforePaging)			step 1a @ sic Joerg T1-040245 sic @
16		TM!RLC_TR_DATA_REQ START t_WaitMS (45000)	cas_PagingType1 (tsc_CellA, tsc_RB_PCCH, cs_RRC_PagingType1_NotifyIdleMode (~~tcv_MIB.mib_ValueTag~~ tcv_MIB.mib_ValueTag+1 , tsc_SFN_15))		step 1 The UE is paged by using an arbitrarily choosen SFN No. to get an initial SFN value @si

					value.@sic Racal sic@
17		+ ts_RRC_Delay (5000)			step 1a @ sic Joerg T1-040245 sic @
18		~~+ ts_SysInfoModifySIB5_SIB7_RRC (tsc_CellA, cb_SIB5_2PRACH (tcv_CellInfoA), c_SIB7_Def_NoPrachSIB6_List, tsc_SFN_15)~~			~~Steps 1b To send system information 5 and 7 @ sic Joerg T1-040245 sic @ @ sic Joerg ER 1511 sic @~~
19		~~+ ts_SysInfoModifySIB1_RRC (tsc_CellA, cd_SIB1_T300 (tcv_CellInfoA), tsc_SFN_15)~~			~~step 1b~~
20		+ ts_SysInfoModifySIB1_SIB5_SIB7_RRC (tsc_CellA, cd_SIB1_T300 (tcv_CellInfoA), cb_SIB5_2PRACH (tcv_CellInfoA), c_SIB7_Def_NoPrachSIB6_List, tsc_SFN_15)			Steps 1b To send system information 5 and 7 @ sic Joerg T1-040245 sic @ @ sic Joerg ER 1511 sic @ @sic Racal sic@
21		_?TIMEOUT t_WaitMS			covered step 1c
22		_+ ts_AT_InitConnection (tsc_CellA)			step 2
23		_(tcv_K := 0)			
24		_+ lt_RRC_ConnReqOnDifferent_PRACH			step 3 - 5
25		_REPEAT lt_Local1 UNTIL [tcv_K >= tsc_N300]			step 4
26		_UM!RLC_UM_DATA_REQ	~~cas_InvalidCCCH_Msg (tsc_CellDedicated,~~ cas_RRC_ConnSetup(tsc_CellA, tsc_RB0, ~~cs_InvalidRRC_ConSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti))~~cdr_RRC_InvalidConnSetupPCH_UE_CapabilityUpdate (tcv_InitialUE_Id, tcv_RRC_Ti, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uRNTI , tcv_CellInfoA.cRNTI , tcv_CellInfoA.uL_ScramblingCode))		step 6 @sic Joerg T1-040236 sic @
27		_+ lt_Local2			step 7
28		_UM!RLC_UM_DATA_REQ	cas_RRC_ConnSetup (tsc_CellA, tsc_RB0, cds_RRC_ConnSetupFACH_UE_CapabilityUpdate (tcv_InitialUE_Id, tcv_RRC_Ti, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uRNTI , tcv_CellInfoA.cRNTI , tcv_CellInfoA.uL_ScramblingCode))		step 8; This is a legal message
29		_+ ts_RRC_ReceiveConnSetupCmpl (tsc_CellA)			step 10
30		_(tcv_CellInfoA.cellConfig := cell_FACH_2_PRACH)			
31		_+ ts_NAS_ConnRejectMO (tsc_CellA)			
lt_Local1					
32		START t_LowerBound (1800)			
33		? TIMEOUT t_LowerBound			
34		+ lt_RRC_ConnReqOnDifferent_PRACH			step 3 is repeated

35		+ ts_CalculateActTime (tsc_CellA)			
36	TBF1	TM?RLC_TR_DATA_IND	car_RRC_ConnReq (tsc_CellA, *, cdr_RRC_ConnReqUE_Id (*))	(F)	
37		CANCEL t_LowerBound			
lt_Local2					
38	TBP3	TM?RLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity)	car_RRC_ConnReq (tsc_CellA, tsc_RB0, cr_RRC_RrcConnReqMO_Err (tcv_RRC_EstCauMO))	(P)	RRC Connection Request with 'Protocol error indicator' set to TRUE, sent on RB0
39		+ ts_CalculateActTime (tsc_CellA)			
40	TBP4	TM?RLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity)	car_RRC_ConnReq (tsc_CellA, tsc_RB_2ndCCCH, cr_RRC_RrcConnReqMO_Err (tcv_RRC_EstCauMO))	(P)	RRC Connection Request with 'Protocol error indicator' set to TRUE, sent on RB_2_CCCH
41		+ ts_CalculateActTime (tsc_CellA)			
lt_RRC_ConnReqOnDifferent_PRACH					
42	TBP1	TM?RLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity, tcv_K := tcv_K + 1)	car_RRC_ConnReq (tsc_CellA, tsc_RB0, cdr_RRC_ConnReqUE_Id (tcv_RRC_EstCauMO))	(P)	step 3 - 5, sent on RB0
43	TBP2	TM?RLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity, tcv_K := tcv_K + 1)	car_RRC_ConnReq (tsc_CellA, tsc_RB_2ndCCCH, cdr_RRC_ConnReqUE_Id (tcv_RRC_EstCauMO))	(P)	step 3 - 5, sent on RB_2_CCCH
44		+ts_ReconfigSRBs_DTCH_toSecondRACH (tsc_CellA)			

Detailed Comment:	

4.4 Change 2 - Test step name ts_SendSIB5_BMC

Reason for change	This step is broadcasting SIB5 using systemInformationBlockType16 in the constraints
Summary of change	replace systemInformationBlockType16 by systemInformationBlockType5 in all occurrences in test step.

Test Step

Test Step Id:	ts_SendSIB5_BMC (p_SIB: SysInfoType5; p_CellId : INTEGER; p_Timing: INTEGER)
Test Step Group Ref:	BasicM_SysInfoHandling_Steps/BMC_2SCCPCH_2PRACH/
Objective:	To deliver the SIBType5 to SS
Defaults:	InitOtherwiseFail
Comments:	@SIC_NAPP Maximum number of segments is 8, default scheduling described in 3GPP TS 34.123-3 clause 8.4.4.1 for BMC test cases using two PRACH or two SCCPCH

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		(tcv_Segs := o_SIB_Segmentation (o_SIB_PER_Encoding (sIB5 : p_SIB)))			1.
2		[tcv_Segs.segCount >8]		I	2.
3		[tcv_Segs.segCount <=8]			
4		+lt_SendNoSegments			
5		[tcv_Segs.segCount = 1]			
6		(tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5 := (tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) MOD 4 + 1, tcv_MIB.sibSb_ReferenceList. [5].scheduling := c_SIB5_Schedul1_MulRatOrBMC)			
7		+ts_ChangeMIB_ValueTag			
8		+ts_Scheduling (p_CellId, 7, 19, p_Timing)			3.
9		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
10		+lt_CompleteSIB (systemInformationBlockType16)			4.
11		[tcv_Segs.segCount = 2]			
12		(tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5 := (tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) MOD 4 + 1, tcv_MIB.sibSb_ReferenceList. [5].scheduling := c_SIB5_Schedul2_MulRatOrBMC)			
13		+ts_ChangeMIB_ValueTag			
14		+ts_Scheduling (p_CellId, 7, 19, p_Timing)			3.
15		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
16		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgFirst(systemInformationBlockType16,~~ cs_SIB_MsgFirst(systemInformationBlockType5, 2, tcv_Segs.seg1))		4.@sic Racal sic@

17		+ts_Scheduling (p_CellId, 7, 21, p_Timing)			5.
18		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
19		[LENGTH_OF (tcv_Segs.seg2) <= 214]			
20		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLastShort(systemInformationBlockType16,~~ cs_SIB_MsgLastShort(systemInformationBlockType5, 1, tcv_Segs.seg2))		6.@sic Racal sic@
21		[TRUE]			
22		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLast(systemInformationBlockType16,~~ cs_SIB_MsgLast(systemInformationBlockType5, 1, tcv_Segs.seg2))		6.@sic Racal sic@
23		[tcv_Segs.segCount = 3]			
24		(tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5 := (tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) MOD 4 + 1, tcv_MIB.sibSb_ReferenceList. [5].scheduling := c_SIB5_Schedul3_MulRatOrBMC)			
25		+ts_ChangeMIB_ValueTag			
26		+ts_Scheduling (p_CellId, 7, 19, p_Timing)			3.
27		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
28		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgFirst(systemInformationBlockType16,~~ cs_SIB_MsgFirst(systemInformationBlockType5, 3, tcv_Segs.seg1))		4.@sic Racal sic@
29		+ts_Scheduling (p_CellId, 7, 21, p_Timing)			5.
30		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
31		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))		6.@sic Racal sic@
32		+ts_Scheduling (p_CellId, 7, 22, p_Timing)			7.
33		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
34		[LENGTH_OF (tcv_Segs.seg3) <= 214]			
35		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLastShort(systemInformationBlockType16,~~ cs_SIB_MsgLastShort(systemInformationBlockType5, 2, tcv_Segs.seg3))		8.@sic Racal sic@
36		[TRUE]			
37		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLast(systemInformationBlockType16,~~ cs_SIB_MsgLast(systemInformationBlockType5, 2, tcv_Segs.seg3))		8.@sic Racal sic@
38		[tcv_Segs.segCount = 4]			
39		(tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5 := (tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) MOD 4 + 1, tcv_MIB.sibSb_ReferenceList. [5].scheduling := c_SIB5_Schedul4_MulRatOrBMC)			
40		+ts_ChangeMIB_ValueTag			
41		+ts_Scheduling (p_CellId, 7, 19, p_Timing)			3.
42		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
43		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgFirst(systemInformationBlockType16,~~ cs_SIB_MsgFirst(systemInformationBlockType5, 4, tcv_Segs.seg1))		4.@sic Racal sic@
44		+ts_Scheduling (p_CellId, 7, 21, p_Timing)			5.

45		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
46		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))		6.@sic Racal sic@
47		+ts_Scheduling (p_CellId, 7, 22, p_Timing)			7.
48		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
49		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 2, tcv_Segs.seg3))		8.@sic Racal sic@
50		+ts_Scheduling (p_CellId, 7, 23, p_Timing)			9.
51		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
52		[LENGTH_OF (tcv_Segs.seg4) <= 214]			
53		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLastShort(systemInformationBlockType16,~~ cs_SIB_MsgLastShort(systemInformationBlockType5, 3, tcv_Segs.seg4))		10.@sic Racal sic@
54		[TRUE]			
55		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLast(systemInformationBlockType16,~~ cs_SIB_MsgLast(systemInformationBlockType5, 3, tcv_Segs.seg4))		10.@sic Racal sic@
56		[tcv_Segs.segCount = 5]			
57		(tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5 := (tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) MOD 4 + 1, tcv_MIB.sibSb_ReferenceList. [5].scheduling := c_SIB5_Schedul5_BMC)			
58		+ts_ChangeMIB_ValueTag			
59		+ts_Scheduling (p_CellId, 7, 19, p_Timing)			3.
60		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
61		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgFirst(systemInformationBlockType16,~~ cs_SIB_MsgFirst(systemInformationBlockType5, 5, tcv_Segs.seg1))		4.@sic Racal sic@
62		+ts_Scheduling (p_CellId, 7, 21, p_Timing)			5.
63		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
64		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))		6.@sic Racal sic@
65		+ts_Scheduling (p_CellId, 7, 22, p_Timing)			7.
66		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
67		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 2, tcv_Segs.seg3))		8.@sic Racal sic@
68		+ts_Scheduling (p_CellId, 7, 23, p_Timing)			9.
69		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
70		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 3, tcv_Segs.seg4))		10.@sic Racal sic@
71		+ts_Scheduling (p_CellId, 7, 35, p_Timing)			11.
72		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		

73		[LENGTH_OF (tcv_Segs.seg5) <= 214]			
74		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLastShort(systemInformationBlockType16,~~ cs_SIB_MsgLastShort(systemInformationBlockType5, 4, tcv_Segs.seg5))		12.@sic Racal sic@
75		[TRUE]			
76		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLast(systemInformationBlockType16,~~ cs_SIB_MsgLast(systemInformationBlockType5, 4, tcv_Segs.seg5))		12.@sic Racal sic@
77		[tcv_Segs.segCount = 6]			
78		(tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5 := (tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) MOD 4 + 1, tcv_MIB.sibSb_ReferenceList. [5].scheduling := c_SIB5_Schedul6_BMC)			
79		+ts_ChangeMIB_ValueTag			
80		+ts_Scheduling (p_CellId, 7, 19, p_Timing)			3.
81		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
82		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgFirst(systemInformationBlockType16,~~ cs_SIB_MsgFirst(systemInformationBlockType5, 6, tcv_Segs.seg1))		4.@sic Racal sic@
83		+ts_Scheduling (p_CellId, 7, 21, p_Timing)			5.
84		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
85		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))		6.@sic Racal sic@
86		+ts_Scheduling (p_CellId, 7, 22, p_Timing)			7.
87		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
88		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 2, tcv_Segs.seg3))		8.@sic Racal sic@
89		+ts_Scheduling (p_CellId, 7, 23, p_Timing)			9.
90		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
91		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 3, tcv_Segs.seg4))		10.@sic Racal sic@
92		+ts_Scheduling (p_CellId, 7, 35, p_Timing)			11.
93		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
94		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 4, tcv_Segs.seg5))		12.@sic Racal sic@
95		+ts_Scheduling (p_CellId, 7, 37, p_Timing)			13.
96		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
97		[LENGTH_OF (tcv_Segs.seg6) <= 214]			
98		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLastShort(systemInformationBlockType16,~~ cs_SIB_MsgLastShort(systemInformationBlockType5, 5, tcv_Segs.seg6))		14.@sic Racal sic@
99		[TRUE]			
100		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLast(systemInformationBlockType16,~~ cs_SIB_MsgLast(systemInformationBlockType5, 5, tcv_Segs.seg6))		14.@sic Racal sic@

101		[tcv_Segs.segCount = 7]			
102		(tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5 := (tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) MOD 4 + 1, tcv_MIB.sibSb_ReferenceList. [5].scheduling := c_SIB5_Schedul7_BMC)			
103		+ts_ChangeMIB_ValueTag			
104		+ts_Scheduling (p_CellId, 7, 19, p_Timing)			3.
105		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
106		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgFirst(systemInformationBlockType16,~~ cs_SIB_MsgFirst(systemInformationBlockType5, 6, tcv_Segs.seg1))		4.@sic Racal sic@
107		+ts_Scheduling (p_CellId, 7, 21, p_Timing)			5.
108		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
109		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))		6.@sic Racal sic@
110		+ts_Scheduling (p_CellId, 7, 22, p_Timing)			7.
111		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
112		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 2, tcv_Segs.seg3))		8.@sic Racal sic@
113		+ts_Scheduling (p_CellId, 7, 23, p_Timing)			9.
114		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
115		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 3, tcv_Segs.seg4))		10.@sic Racal sic@
116		+ts_Scheduling (p_CellId, 7, 35, p_Timing)			11.
117		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
118		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 4, tcv_Segs.seg5))		12.@sic Racal sic@
119		+ts_Scheduling (p_CellId, 7, 37, p_Timing)			13.
120		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
121		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 5, tcv_Segs.seg6))		14.@sic Racal sic@
122		+ts_Scheduling (p_CellId, 7, 38, p_Timing)			15.
123		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
124		[LENGTH_OF (tcv_Segs.seg7) <= 214]			
125		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLastShort(systemInformationBlockType16,~~ cs_SIB_MsgLastShort(systemInformationBlockType5, 6, tcv_Segs.seg7))		16.@sic Racal sic@
126		[TRUE]			
127		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLast(systemInformationBlockType16,~~ cs_SIB_MsgLast(systemInformationBlockType5, 6, tcv_Segs.seg7))		16.@sic Racal sic@
128		[tcv_Segs.segCount = 8]			

129		(tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5 := (tcv_MIB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) MOD 4 + 1, tcv_MIB.sibSb_ReferenceList. [5].scheduling := c_SIB5_Schedul8_BMC)			
130		+ts_ChangeMIB_ValueTag			
131		+ts_Scheduling (p_CellId, 7, 19, p_Timing)			3.
132		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
133		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgFirst(systemInformationBlockType16,~~ cs_SIB_MsgFirst(systemInformationBlockType5, 6, tcv_Segs.seg1))		4.@sic Racal sic@
134		+ts_Scheduling (p_CellId, 7, 21, p_Timing)			5.
135		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
136		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))		6.@sic Racal sic@
137		+ts_Scheduling (p_CellId, 7, 22, p_Timing)			7.
138		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
139		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 2, tcv_Segs.seg3))		8.@sic Racal sic@
140		+ts_Scheduling (p_CellId, 7, 23, p_Timing)			9.
141		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
142		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 3, tcv_Segs.seg4))		10.@sic Racal sic@
143		+ts_Scheduling (p_CellId, 7, 35, p_Timing)			11.
144		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
145		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 4, tcv_Segs.seg5))		12.@sic Racal sic@
146		+ts_Scheduling (p_CellId, 7, 37, p_Timing)			13.
147		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
148		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 5, tcv_Segs.seg6))		14.@sic Racal sic@
149		+ts_Scheduling (p_CellId, 7, 38, p_Timing)			15.
150		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
151		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgSubsequent(systemInformationBlockType16,~~ cs_SIB_MsgSubsequent(systemInformationBlockType5, 6, tcv_Segs.seg7))		16.@sic Racal sic@
152		+ts_Scheduling (p_CellId, 7, 39, p_Timing)			17.
153		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
154		[LENGTH_OF (tcv_Segs.seg8) <= 214]			
155		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLastShort(systemInformationBlockType16,~~ cs_SIB_MsgLastShort(systemInformationBlockType5, 7, tcv_Segs.seg8))		18.@sic Racal sic@
156		[TRUE]			

157		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ~~cs_SIB_MsgLast(systemInformationBlockType16,~~ cs_SIB_MsgLast(systemInformationBlockType5, 7, tcv_Segs.seg8))		18.@sic Racal sic@
lt_CompleteSIB (p_SIBType : SIB_Type)					
158		[LENGTH_OF (tcv_Segs.seg1) = 226]			
159		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgCmpl (p_SIBType, tcv_Segs.seg1))		4.
160		[TRUE]			
161		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgCmplList1 (p_SIBType, tcv_Segs.seg1))		4.
lt_SendNoSegments					
162		+ts_Scheduling (p_CellId, 7, 21, p_Timing)			5.
163		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
164		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)		19.
165		+ts_Scheduling (p_CellId, 7, 22, p_Timing)			7.
166		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
167		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)		19.
168		+ts_Scheduling (p_CellId, 7, 23, p_Timing)			9.
169		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
170		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)		19.
171		+ts_Scheduling (p_CellId, 7, 35, p_Timing)			11.
172		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
173		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)		19.
174		+ts_Scheduling (p_CellId, 7, 37, p_Timing)			13.
175		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
176		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)		19.
177		+ts_Scheduling (p_CellId, 7, 38, p_Timing)			15.
178		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
179		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)		19.
180		+ts_Scheduling (p_CellId, 7, 39, p_Timing)			17.
181		CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)		
182		TM!RLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)		19.

Detailed Comment:	1. Unaligned PER encoding of the SIB5 then segmentation. 2. The segmentation shall result in one to eight segments for the SIB5 (current assumption). 3. Send the scheduling info to SS. (one segment; REP=128; POS=19). 4. Construct the system information message containing the first segment of SIB5 and send it to SS. 5. Send the scheduling info to SS. (one segment; REP=128; POS=21). 6. Construct the system information message containing the second segment of SIB5 and send it to SS. 7. Send the scheduling info to SS. (one segment; REP=128; POS=22). 8. Construct the system information message containing the third segment of SIB5 and send it to SS. 9. Send the scheduling info to SS. (one segment; REP=128; POS=23). 10. Construct the system information message containing the forth segment of SIB5 and send it to SS. 11. Send the scheduling info to SS. (one segment; REP=128; POS=35). 12. Construct the system information message containing the fifth segment of SIB5 and send it to SS. 13. Send the scheduling info to SS. (one segment; REP=128; POS=37). 14. Construct the system information message containing the sixth segment of SIB5 and send it to SS. 15. Send the scheduling info to SS. (one segment; REP=128; POS=38). 16. Construct the system information message containing the seventh segment of SIB5 and send it to SS. 17. Send the scheduling info to SS. (one segment; REP=128; POS=39). 18. Construct the system information message containing the eighth segment of SIB5 and send it to SS. 19. Send no segment system information message to SS when the number of segments is less than 8.

4.5 Change 3 - constraint cb_SIB5_2PRACH

Reason for change

1. According to the prose, the preamble scrambling code of the second PRACH shall be set to 1. Currently in the ATS, it is set to 0.

2. According to 34.123-3, the second RACH is using the transport channel id tsc_RACH2. A prose CR has been proposed.

Summary of change

1. replace tsc_PRACH1_ScrC by tsc_PRACH2_ScrC

2. replace tsc_RACH1 by tsc_RACH2

Constraint Name:	cb_SIB5_2PRACH (p_CellInfo : CellInfoCfg)
Group:	
Type Name:	SysInfoType5
Derivation Path:	
Encoding Variation:	
Comments:	system information block type 5 with 2 PRACH

Constraint Value

```
    },
    -- prach1end

    {
      prach_RACH_Info {
        modeSpecificInfo fdd : {
          availableSignatures tsc_PRACH1_Signatures,
          availableSF tsc_PRACH1_SF,
          preambleScramblingCodeWordNumber tsc_PRACH1_ScrC,
          tsc_PRACH2_ScrC,
          puncturingLimit pl1,
          availableSubChannelNumbers '111111111111'B
        }
      },
      transportChannelIdentity tsc_RACH1,
      tsc_RACH2,
      rach_TransportFormatSet commonTransChTFS : c_RACH_TFS_UE,
      rach_TFCS normalTFCI_Signalling : complete : {
```

4.6 Change 4 - New test step ts_SysInfoModifySIB1_SIB5_SIB7_RRC

Test Step Id:	ts_SysInfoModifySIB1_SIB5_SIB7_RRC (p_CellId: INTEGER; p_SIB1 : SysInfoType1; p_SIB5 : SysInfoType5; p_SIB7 : SysInfoType7; p_Timing: INTEGER)
Test Step Group Ref:	RRC_Specifc/
Objective:	To modify the the contents of SIB1, SIB5, SIB 6 and SIB7
Defaults:	InitOtherwiseFail
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_RAT = fdd]			
2		+ts_SendSIB5_BMC(p_SIB5, p_CellId, p_Timing)			
3		+ts_SendSIB7_MulRatOrBMC(p_SIB7, p_CellId, p_Timing)			
4		+ts_SendSIB1_MulRatOrBMC (p_SIB1, p_CellId, p_Timing)			
5		+ts_SendSB1_MulRatOrBMC (tcv_SB1, p_CellId, p_Timing)			
6		+ts_SendMIB (tcv_MIB, p_CellId, p_Timing)			
7	ERR1	[px_RAT = tdd]		I	
8	ERR2	[TRUE]		I	

4.7 Change 5 - New test step ts_ReconfigSRBs_DTCH_toSecondRACH

Test Step Id:	ts_ReconfigSRBs_DTCH_toSecondRACH (p_CellId : INTEGER)
Test Step Group Ref:	BasicM_SS_Configuration_Steps/
Objective:	To configure AICH2 and PRACH2 physical channels and connect RACH2 onto PRACH2, then map one logical channel (CCCH) to RACH
Defaults:	SS_Def
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ts_SetTmpCellInfo (p_CellId)			
2		[px_RAT = fdd]			
3		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_PRACH1, c_UE_Info (OMIT, OMIT), cb_TrChInfoRACH1, cb_TrLogMappingRACH2)		mapping CCCH to RACH 1. C-RNTI and U-RNTI are not needed on
4		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (p_CellId, tsc_PRACH1)		
5		CMAC ! CMAC_Config_REQ	ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_PRACH2, c_UE_Info (OMIT, OMIT), cd_TrCHInfoRACH2, c_TrLogMappingRACH2_DTCH)		mapping CCCH, DCCH and DTCH to RACH. C-RNTI and U-RNTI are not needed
6		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(p_CellId, tsc_PRACH2)		
7	ERR1	[px_RAT = tdd]		I	
8	ERR2	[TRUE]		I	

4.8 Change 6 - New constraint c_TrLogMappingRACH2_DTCH

ASN.1 Type Constraint Declaration	
Constraint Name:	c_TrLogMappingRACH2_DTCH
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	c_TrLogMappingRACH_DTCH.
Encoding Variation:	
Comments:	

Constraint Value

```
REPLACE ulconnectedTrCHList.[0].trchid BY tsc_RACH2,
REPLACE ulconnectedTrCHList.[0].trCH_LogCHMappingList.[0].logicalChannel_Mapping.ul_LogicalChannelMapping.logicalChannelIdentity BY tsc_UL_CCCH6,
REPLACE ulconnectedTrCHList.[0].trCH_LogCHMappingList.[0].rB_Identity BY tsc_RB_2ndCCCH
```

4.9 Changes referred to from previous CRs

N/A

5 Branches executed in test case 8.1.2.2

Test case was executed with pc_CS=TRUE, pc_PS=TRUE, px_CN_DomainTested set to cs_domain.

6 Execution Log Files

The Nokia 3G UE 7600 and passed this test case in CS mode on the Racal Instruments Wireless Solution 6401 AIME/CT Test platform. Log of the successful test case execution is enclosed in T1s040342[2].

7 References

[1]	RRC iWD_wk23.mp
[2]	T1s040342.zip Attachment containing the successful log and and the TTCN MP file for 8.1.2.2

3GPP TSG-T1 E-Mail 2004
01 Jan - 31 Dec 2004

Tdoc ⌘T1s040347

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **399** ⌘ **rev** **-** ⌘ Current version: **3.5.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Corrections to RRC test case 6.2.1.1
Source:	⌘	Rohde&Schwarz
Work item code:	⌘	N/A
Date:	⌘	15/06/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	To add corrections to GCF package 3 RRC test case 6.2.1.1, which has been presented for approval by Racal in T1s040325 and has been commented by Anite and ETSI MCC160.
Summary of change:	⌘	This document lists the additional changes to be applied to test case 6.2.1.1.
Consequences if not approved:	⌘	The Test case will not operate properly.

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	**Y**	**N**		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word

"revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP TSG-T1 E-Mail 2004 ⌘**T1s040347**

01 Jan - 31 Dec 2004

Title: **Corrections to test case 6.2.1.1**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Holger Jauch
holger.jauch@rsd.rohde-schwarz.com
Tel. +49 89 4129 11534

1 Overview

This document is a CR on verified RRC test case 6.2.1.1. It lists all the changes needed to correct detected problems in the TTCN implementation of test case 6.2.1.1 which is part of the RRC test suite.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6).

2 Table of Contents

1 Overview 3
2 Table of Contents 4
3 Verification Test Summary 5
4 Corrections required for test case 6.2.1.1 5
4.1 Introduction 5
4.2 Presentation of the modifications 5
4.3 Modifications inside the tc_6_2_1_1 behaviour table 6
4.4 Other modifications relevant for tc_6_2_1_1 10
4.4.1 tsc_CipheringModeCommand_Msg_Type 10
4.4.2 tsc_CipheringModeComplete_Msg_Type 10
4.4.3 tcv_AcceptDetachFromPreviousCell 10
4.4.4 ts_G_RR_Con_Est 11
4.4.5 ts_NAS_Registration 12
4.4.6 ts_G_ChannelRelease 12
4.4.7 ts_Reg_UMTS_or_GSM 12
4.4.8 IntersystemDef 14
4.5 Changes referred to from previous CRs 15
5 Branches executed in test case 6.2.1.1 16
6 Execution Log Files 16
6.1 Nokia 3G UE 7600 16
7 References 17
Annex A: List of change labels and affected TTCN objects 18

3 Verification Test Summary

Test Case: tc_6_2_1_1

Test Group: DualIdleMode/

ATS Version: IR_U_wk20.mp

System Simulator used: Rohde & Schwarz 3G system simulators
CRTU-W and CRTU-G

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 6.2.1.1

4.1 Introduction

This CR presents corrections on DualIdleMode test case tc_6_2_1_1, which has been approved and is in the validation process.

Racal presented the test cases for approval in T1s040325 [5]. This CR was based on IR_U_wk20.mp [3]. Comments were received from Anite and ETSI MCC160 in 'Anite comments' [4] and T1s040325_MCC160Comments [7] respectively. The test case was approved on this basis.

In the meantime IR_U_wk23.mp [2] has arrived and a CR for the new test case version has been added, but the validation is still based on IR_U_wk20.mp.

This is the reason why the current additional CR is also based on IR_U_wk20.mp, but the changes can be applied (with a few modifications like name changes) to IR_U_wk23.mp.

The ATS enclosed in T1s040348.zip [1] contains the modifications of test case tc_6_2_1_1 described in this document.

For the ATS modifications as identified by the 'Change labels' as defined in the subsequent subclauses, the following principles apply:

a) If the changes are explicitly described in this CR, and the related TTCN objects **are contained** in IR_U_wk20.mp [3], the change description refers to this ATS;

b) All other change labels (if present) refer to proposals for new TTCN Objects.

Annex A contains a table listing all change label/affected object combinations, as well as their reference ATSs.

4.2 Presentation of the modifications

The modifications are presented by the use of '**Change Tables**' as described below, and by **screenshots** taken from the relevant parts of changed TTCN objects in TTCN.GR format.

In addition, if the **reason for a change** cannot be expressed in a few table lines, particular subclauses of clause 4 may be generated for detailed argumentation.

The '**Change Tables**' have the format described in the example below (all entries in the second column are for demonstration purposes only):

Table 1: Example Change Table

TTCN object	*tc_6_2_1_1*
Reference ATS	*IR_U_wk20.mp [*3]
Change Label	WA#2G3RRC0110
Reason for change	*<Textual description of change reason>*.
Summary of change	*<Textual description of performed changes>*
Other affected objects	*<GOTO fields to other change descriptions>* (optional)
ETSI comment	
R&S conclusion	

TTCN object: Identifier(s) of one or more TTCN objects having a global context in the TTCN ATS. Typically only one TTCN object occurs. More than one object is listed only, when:

a) All objects belong to the same TTCN Object Class; and
b) All objects are either created, or are modified in the same systematic way; and
c) No other change is proposed for the listed objects.

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the current change description applies.

Change Label: Textual identifier starting with the fixed string 'WA#2G3RRC', followed by a 4-digit number (e.g. WA#2G3RRC0110). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.

Reason for change: Textual description of the reason why the change is proposed.

Summary of change: Short description of what is proposed for change.

Other affected objects: List of one or more GOTO fields, pointing to other TTCN objects having assigned the same Change Label, i.e. all other objects being affected by the problem giving rise to the current Change Label.

ETSI comment: This field may be used by ETSI colleagues giving a dedicated reply to the current CR document. Otherwise it is filled by the R&S 2G3 group when another kind of response is received from ETSI.

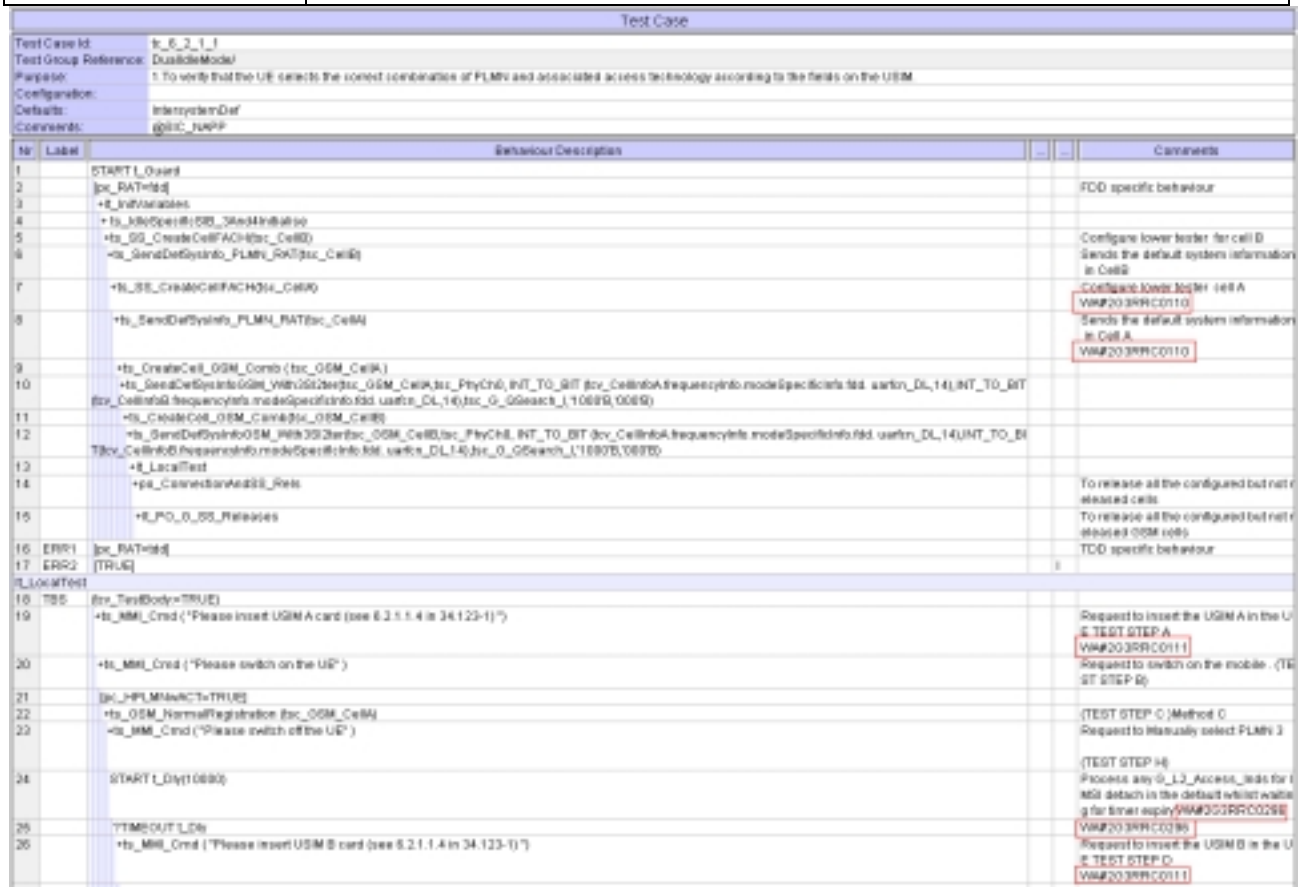
R&S conclusion: Filled by the R&S 2G3 group when the ETSI answer does not indicate acceptance of the change request.

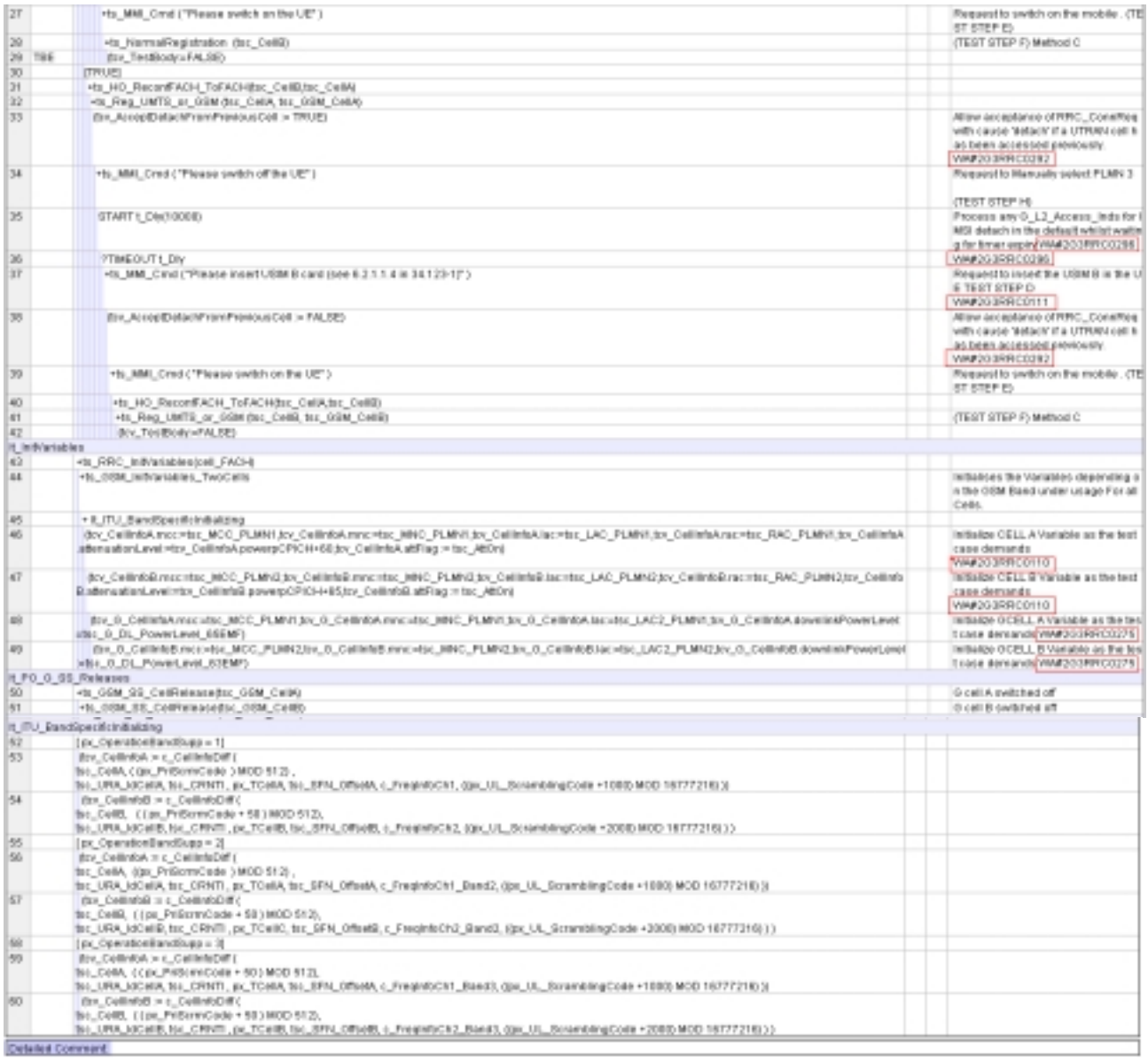
4.3 Modifications inside the tc_6_2_1_1 behaviour table

TTCN object	tc_6_2_1_1
Reference ATS	IR_U_wk20.mp [3]

Change Label	WA#2G3RRC0110
Reason for change	There are invalid references to CellIds in 'Comments' column.
Summary of change	Refer to cellA/cellB instead of cellB/cellC and remove inapplicable comments.
Other affected objects	
Change Label	WA#2G3RRC0111
Reason for change	There are invalid references to table numbers in MMI command lines.
Summary of change	Refer to USIM A/B instead of tables 4/5.
Other affected objects	
Change Label	WA#2G3RRC0275
Reason for change	Urgent CR T1-040647 requires that for Inter-RAT idle mode test cases cells belonging to different RAT shall use different LAC and RAC.
Summary of change	Apply the appropriate new TS Constant for LAC in GERAN cells (see also WA#2G3RRC0274).
Other affected objects	

ETSI comment	
Change Label	WA#2G3RRC0292
Reason for change	When the UE is switched off to insert a new USIM card, this leads to a detach from a previously used UTRAN cell. The UE will send an RRC_ConnectionReq message with cause 'detach', which is currently not accepted and leads to a FAIL.
Summary of change	In the test case situations where a previously entered cell is left (or may be left) by the UE, the variable is set to TRUE. This makes it possible to accept an RRC_ConnectionReq message with cause 'detach', received after switching off the UE, in the default. When a GERAN cell is left, the G_L2_ACCESS_IND indicating detach will also be recognized in the default.
Other affected objects	tcv_AcceptDetachFromPreviousCell , ts_G_RR_Con_Est , IntersystemDef
ETSI comment	
Change Label	WA#2G3RRC0296
Reason for change	In It_LocalTest the G_L2_ACCESS_INDs sent by the UE on GSM for IMSI detach when switched off are not received by the test case until the next location update, which then causes a failure (see WA#2G3RRC292).
Summary of change	Add lines starting a timer and waiting for the timeout, so that the G_L2_ACCESS_INDs (detach) can be processed in the test case default whilst waiting for timer expiry.
Other affected objects	
ETSI comment	
R&S conclusion	





4.4 Other modifications relevant for tc_6_2_1_1

4.4.1 tsc_CipheringModeCommand_Msg_Type

TTCN object	tsc_CipheringModeCommand_Msg_Type
Reference ATS	IR_U_wk20.mp [3]
Change Label	WA#2G3RRC0210
Reason for change	Incorrect coding of GSM message type.
Summary of change	Change the value to '35'O.
Other affected objects	tsc_CipheringModeComplete_Msg_Type
ETSI comment	
R&S conclusion	

4.4.2 tsc_CipheringModeComplete_Msg_Type

TTCN object	tsc_CipheringModeComplete_Msg_Type
Reference ATS	IR_U_wk20.mp [3]
Change Label	WA#2G3RRC0210
Reason for change	Incorrect coding of GSM message type.
Summary of change	Change the value to '32'O.
Other affected objects	tsc_CipheringModeCommand_Msg_Type
ETSI comment	
R&S conclusion	

4.4.3 tcv_AcceptDetachFromPreviousCell

TTCN object	tcv_AcceptDetachFromPreviousCell
Reference ATS	New
Change Label	WA#2G3RRC0292
Reason for change	When the UE is switched off to insert a new USIM card, this leads to a detach from a previously used UTRAN cell. The UE will send an RRC_ConnectionReq message with cause 'detach', which is currently not accepted in the test cases and leads to a FAIL.
Summary of change	Define new TC Variable tcv_AcceptDetachFromPreviousCell, which is initialized to FALSE. In the test case situations where a previously entered UTRAN cell is left (or may be left) by the UE, the variable is set to TRUE.
Other affected objects	tc_6_2_1_1 , ts_G_RR_Con_Est , IntersystemDef
ETSI comment	
R&S conclusion	

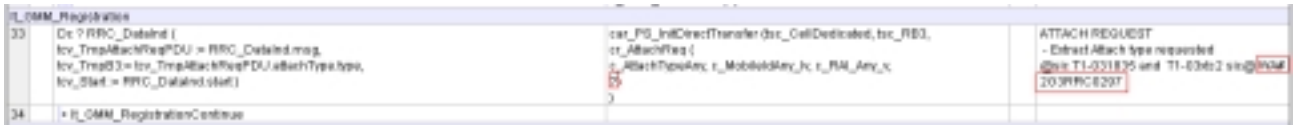
4.4.4 ts_G_RR_Con_Est

TTCN object	ts_G_RR_Con_Est
Reference ATS	IR_U_wk20.mp [3]
Change Label	WA#2G3RRC0199
Reason for change	In line 2 G_L2_ACCESS_IND is received, using wildcard '?' for ASP parameter 'burst', which has metatype **PDU**. In the same line the received PDU is assigned to Test Case Variable tcv_ChRequest. Because a TTCN compiler is not aware of the type actually received for metatype PDU it may not correctly handle the subsequent assignment.
Summary of change	In line 2 in constraint cabr_G_L2_ACCESS_IND in the list of actual parameters replace the last '?' by 'c_G_ChannelReq_Any'.
Other affected objects	ts_Reg_UMTS_or_GSM
ETSI comment	
Change Label	WA#2G3RRC0292
Reason for change	When the UE is switched off to insert a new USIM card, this leads to a detach from a previously used UTRAN cell. The UE will send an RRC_ConnectionReq message with cause 'detach', which is currently not accepted in the test cases and leads to a FAIL.
Summary of change	Test Step 'ts_G_RR_Con_Est', which currently has no default, gets assigned default 'IntersystemDef'. This makes it possible to accept an RRC_ConnectionReq message with cause 'detach'.
Other affected objects	tc_6_2_1_1 , tcv_AcceptDetachFromPreviousCell , IntersystemDef
ETSI comment	
Change Label	WA#2G3RRC0293
Reason for change	Timeout of t_CampResponseTimer occurs before the UE responds on UTRAN, when changing from GSM to UTRAN.
Summary of change	The timeout value of t_CampResponseTimer is increased.
Other affected objects	ts_Reg_UMTS_or_GSM
ETSI comment	
R&S conclusion	

4.4.5 ts_NAS_Registration

TTCN object	ts_NAS_Registration
Reference ATS	IR_U_wk20.mp [3]
Change Label	WA#2G3RRC0297
Reason for change	In CSPS, the UE sends a GMM Attach in lt_GMM_Registration, with a ciphering key sequence number (CKSN) read from the Kc field on the USIM. This may be different from the value contained in TC Variable tcv_PS_KeySeq, which is used as a constraint value, and may so be leading to a mismatch.
Summary of change	Use '?' instead of tcv_PS_KeySeq.
Other affected objects	
ETSI comment	
R&S conclusion	

...



...

4.4.6 ts_G_ChannelRelease

TTCN object	ts_G_ChannelRelease
Reference ATS	IR_U_wk20.mp [3]
Change Label	WA#2G3RRC0237
Reason for change	G_CL2_Release_IND is received on G_L2 which is not the right PCO for this message
Summary of change	Replace PCO G_L2 by G_CL2.
Other affected objects	
ETSI comment	
R&S conclusion	

Test Step

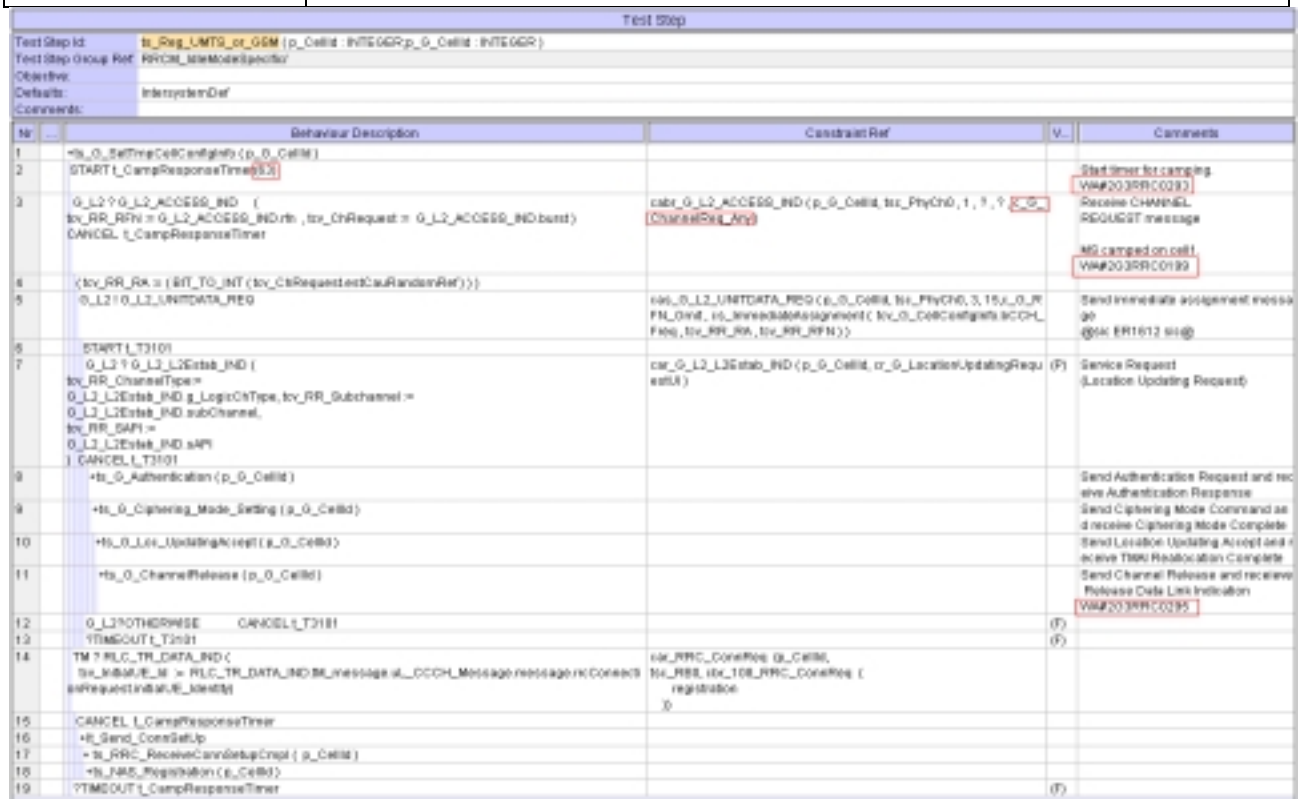
Test Step Id:	ts_G_ChannelRelease (p_CellId : INTEGER)
Test Step Group Ref:	IdleUpdate/
Objective:	
Defaults:	
Comments:	

..	..	Behaviour Description	Constraint Ref	..	Comments
1		G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_CellId, tcv_RR_SAPI, tsc_PhyCh0, tcv_RR_ChannelType, tcv_RR_Subchannel, c_G_RFN_Omit, c_G_ChReleaseNormal)		Send Channel Release
2		START t_ReceiveMessageTimer(33)			
3		G_CL2 ? G_CL2_Release_IND CANCEL t_ReceiveMessageTimer	cr_G_CL2_Release_IND (p_CellId)	(P)	Release Data Link WA#2G3RRC0237
4		?TIMEOUT t_ReceiveMessageTimer		(F)	

4.4.7 ts_Reg_UMTS_or_GSM

TTCN object	ts_Reg_UMTS_or_GSM
Reference ATS	IR_U_wk20.mp [3]

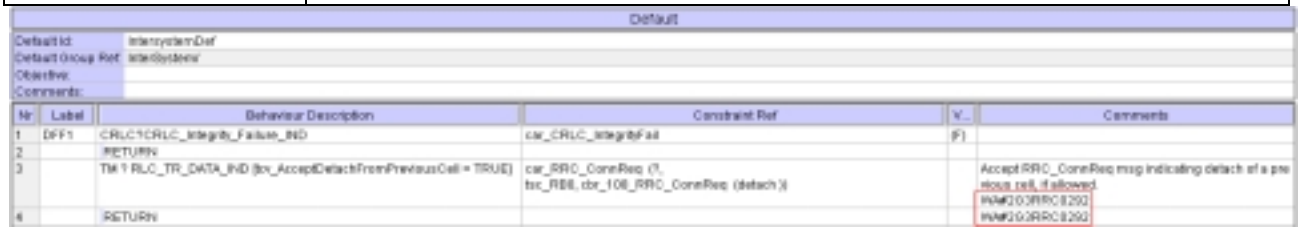
Change Label	WA#2G3RRC0199
Reason for change	In line 2 G_L2_ACCESS_IND is received, using wildcard '?' for ASP parameter burst, which has metatype PDU. In the same line the PDU received is assigned to Test Case Variable tcv_ChRequest. Because a TTCN compiler is not aware of the type actually received for metatype PDU it may not correctly handle the subsequent assignment.
Summary of change	In line 2 in constraint cabr_G_L2_ACCESS_IND in the list of actual parameters replace the last '?' by 'c_G_ChannelReq_Any'.
Other affected objects	ts_G_RR_Con_Est
ETSI comment	
Change Label	WA#2G3RRC0293
Reason for change	Timeout of t_CampResponseTimer occurs before the UE responds on UTRAN, when changing from GSM to UTRAN.
Summary of change	The timeout value of t_CampResponseTimer increased.
Other affected objects	ts_G_RR_Con_Est
ETSI comment	
Change Label	WA#2G3RRC0295
Reason for change	In line 11 ts_GSMConnectionRelease is attached. Here a timer is started, waiting for G_CL2_Release_IND, which is nowhere expected. So the timer is running out unexpectedly.
Summary of change	Replace ts_GSMConnectionRelease by ts_G_ChannelRelease.
Other affected objects	
ETSI comment	
R&S conclusion	



...

4.4.8 IntersystemDef

TTCN object	IntersystemDef
Reference ATS	IR_U_wk20.mp [3]
Change Label	WA#2G3RRC0292
Reason for change	When the UE is switched off to insert a new USIM card, this leads to a detach from a previously used UTRAN cell. The UE will send an RRC_ConnectionReq message with cause 'detach', which is currently not accepted in the test cases and leads to a FAIL.
Summary of change	The default is extended to accept RRC_ConnectionReq messages with cause 'detach', if TC Variable tcv_AcceptDetachFromPreviousCell is TRUE.
Other affected objects	tc_6_2_1_1 , tcv_AcceptDetachFromPreviousCell , ts_G_RR_Con_Est
ETSI comment	
R&S conclusion	



...

4.5 Changes referred to from previous CRs

N/A

5 Branches executed in test case 6.2.1.1

The test case was executed for the GSM 1800 band in Combined Attach (CSPS) Mode with Integrity activated and Ciphering disabled.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case in Combined Attach (CSPS) mode on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G, on the 1800 MHz band. The documentation below is enclosed as evidence of the successful test case run T1s040348.zip [1]:

a) TTCN ATS containing modified tc_6_2_1_1 (RRC_6_2_1_1.mp).

b1) Execution log files 6-2-1-1-CSPS-2G-PASS-html-logs\Index.html
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch, executed on the 1800 MHz band, in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file. By UE operation **2G cells** are selected.

b2) Execution log files 6-2-1-1-CSPS-3G-PASS-html-logs\Index.html
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch, executed on the 1800 MHz band, in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file. By UE operation **3G cells** are selected.

c) PICS/PIXIT file TC_6_2_1_1_CSPS_Pics_Pixit.txt
Text file containing all PICS/PIXIT parameters used for Combined Attach (CSPS) testing.

7 References

[1]	T1s040348.zip Archive comprising HTML Execution log files, PICS/PIXIT files and the TTCN MP file for the current CR (supplementary information).
[2]	IR_U_wk23.mp ETSI InterRat RRC ATS version of week 20 (2004).
[3]	IR_U_wk20.mp ETSI InterRat RRC ATS version of week 20 (2004).
[4]	Anite comments on Racal Instruments submission of 2 GCF P2 RRC test cases 6.2.1.1 and 6.2.1.6 for email approval (Ts040325)
[5]	T1s040325(6_2_1_1).zip Original Racal CR on tc_6_2_1_1.
[6]	T1s040326.zip Original Racal supplementary information on tc_6_2_1_1 (reduced ATS and .html files documenting TC run).
[7]	T1s040325_MCC160Comments.doc ETSI MCC160 comments on Racal CR on tc_6_2_1_1.

Annex A: List of change labels and affected TTCN objects

The following Table 2 lists all change labels being described in this document, together with the related affected TTCN objects, and the Reference ATS to which the change description applies. When no Reference ATS is present, the object is a new definition.

Table 2: List of change labels and related affected TTCN Objects and reference ATS

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0110	tc_6_2_1_1	IR_U_wk20.mp [3]
WA#2G3RRC0111	tc_6_2_1_1	IR_U_wk20.mp [3]
WA#2G3RRC0199	ts_G_RR_Con_Est	IR_U_wk20.mp [3]
WA#2G3RRC0199	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [3]
WA#2G3RRC0210	tsc_CipheringModeCommand_Msg_Type	IR_U_wk20.mp [3]
WA#2G3RRC0210	tsc_CipheringModeComplete_Msg_Type	IR_U_wk20.mp [3]
WA#2G3RRC0237	ts_G_ChannelRelease	IR_U_wk20.mp [3]
WA#2G3RRC0275	tc_6_2_1_1	IR_U_wk20.mp [3]
WA#2G3RRC0292	tcv_AcceptDetachFromPreviousCell	
WA#2G3RRC0292	tc_6_2_1_1	IR_U_wk20.mp [3]
WA#2G3RRC0292	ts_G_RR_Con_Est	IR_U_wk20.mp [3]
WA#2G3RRC0292	IntersystemDef	IR_U_wk20.mp [3]
WA#2G3RRC0293	ts_G_RR_Con_Est	IR_U_wk20.mp [3]
WA#2G3RRC0293	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [3]
WA#2G3RRC0295	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [3]
WA#2G3RRC0296	tc_6_2_1_1	IR_U_wk20.mp [3]
WA#2G3RRC0297	ts_NAS_Registration	IR_U_wk20.mp [3]

3GPP TSG-T1 E-Mail 2004
01 Jan - 31 Dec 2004

Tdoc ⌘T1s040349

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **400** ⌘ **rev** **-** ⌘ Current version: **3.5.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Corrections to RRC test case 6.2.1.6
Source:	⌘	Rohde&Schwarz
Work item code:	⌘	N/A
Date:	⌘	15/06/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	To add corrections to GCF package 3 RRC test case 6.2.1.6, which has been presented for approval by Racal in T1s040327 and has been commented by Anite and ETSI MCC160.
Summary of change:	⌘	This document lists the additional changes to applied to test case 6.2.1.6.
Consequences if not approved:	⌘	The Test case will not operate properly.

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	**Y**	**N**		
			X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word

"revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Title: **Corrections to test case 6.2.1.6**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Holger Jauch
holger.jauch@rsd.rohde-schwarz.com
Tel. +49 89 4129 11534

1 Overview

This document is a CR on verified RRC test case 6.2.1.6. It lists all the changes needed to correct detected problems in the TTCN implementation of test case 6.2.1.6 which is part of the RRC test suite.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6).

2 Table of Contents

1 Overview 3
2 Table of Contents 4
3 Verification Test Summary 5
4 Corrections required for test case 6.2.1.6 5
4.1 Introduction 5
4.2 Presentation of the modifications 6
4.3 Modifications inside the tc_6_2_1_6 behaviour table 7
4.4 Other modifications relevant for tc_6_2_1_6 10
4.5 Changes referred to from previous CRs 11
5 Branches executed in test case 6.2.1.6 12
6 Execution Log Files 12
6.1 Nokia 3G UE 7600 12
7 References 13
Annex A: List of change labels and affected TTCN objects 14

3 Verification Test Summary

Test Case: tc_6_2_1_6

Test Group: DualIdleMode/

ATS Version: IR_U_wk20.mp

System Simulator used: Rohde & Schwarz 3G system simulators CRTU-W and CRTU-G

UE used: Nokia 3G UE 7600

Verification Status: PASS

4 Corrections required for test case 6.2.1.6

4.1 Introduction

This CR presents corrections on DualIdleMode test case tc_6_2_1_6, which has been approved and is in the validation process.

Racal presented the test cases for approval in T1s040327(6_2_1_6).zip [6]. This CR was based on IR_U_wk20.mp [4]. Comments were received from Anite and ETSI MCC160 in Anite comments [5] and MCC160Comments_on_T1s040327(6_2_1_6).doc [8] respectively. The test case was approved on this basis.

In the meantime IR_U_wk23.mp [3] has arrived and a CR for the new test case version has been added, but the validation is still based on IR_U_wk20.mp.

This is the reason why the current additional CR is also based on IR_U_wk20.mp, but the changes can be applied (with a few modifications like name changes) to IR_U_wk23.mp.

The ATS enclosed in T1s040350.zip [1] contains the modifications of test case tc_6_2_1_1 described in this document.

For the ATS modifications as identified by the 'Change labels' as defined in the subsequent subclauses, the following principles apply:

a) If the changes are explicitly described in this CR, and the related TTCN objects **are contained** in IR_U_wk20.mp [4], the change description refers to this ATS;

b) If the changes are described in previous CR T1s040347.doc [2], as listed in subclause 4.5, the change description refers to IR_U_wk20.mp, or refer to proposals for new TTCN Objects.

Annex A contains a table listing all change label/affected object combinations, as well as their reference ATSs.

4.2 Presentation of the modifications

The modifications are presented by the use of '**Change Tables**' as described below, and by **screenshots** taken from the relevant parts of changed TTCN objects in TTCN.GR format.

In addition, if the **reason for a change** cannot be expressed in a few table lines, particular subclauses of clause 4 may be generated for detailed argumentation.

The '**Change Tables**' have the format described in the example below (all entries in the second column are for demonstration purposes only):

Table 1: Example Change Table

TTCN object	*tc_6_2_1_6*
Reference ATS	*IR_U_wk20.mp [*4]
Change Label	WA#2G3RRC0110
Reason for change	*<Textual description of change reason>*.
Summary of change	*<Textual description of performed changes>*
Other affected objects	*<GOTO fields to other change descriptions>* (optional)
ETSI comment	
R&S conclusion	

TTCN object: Identifier(s) of one or more TTCN objects having a global context in the TTCN ATS. Typically only one TTCN object occurs. More than one object is listed only, when:

a) All objects belong to the same TTCN Object Class; and
b) All objects are either created, or are modified in the same systematic way; and
c) No other change is proposed for the listed objects.

Reference ATS: ETSI ATS containing the referred TTCN object(s), relative to which the current change description applies.

Change Label: Textual identifier starting with the fixed string 'WA#2G3RRC', followed by a 4-digit number (e.g. WA#2G3RRC0110). A Change Label is assigned when a particular problem is recognized during the verification work. More than one TTCN Object may be affected by the proposed solution to this problem.

Reason for change: Textual description of the reason why the change is proposed.

Summary of change: Short description of what is proposed for change.

Other affected objects: List of one or more GOTO fields, pointing to other TTCN objects having assigned the same Change Label, i.e. all other objects being affected by the problem giving rise to the current Change Label.

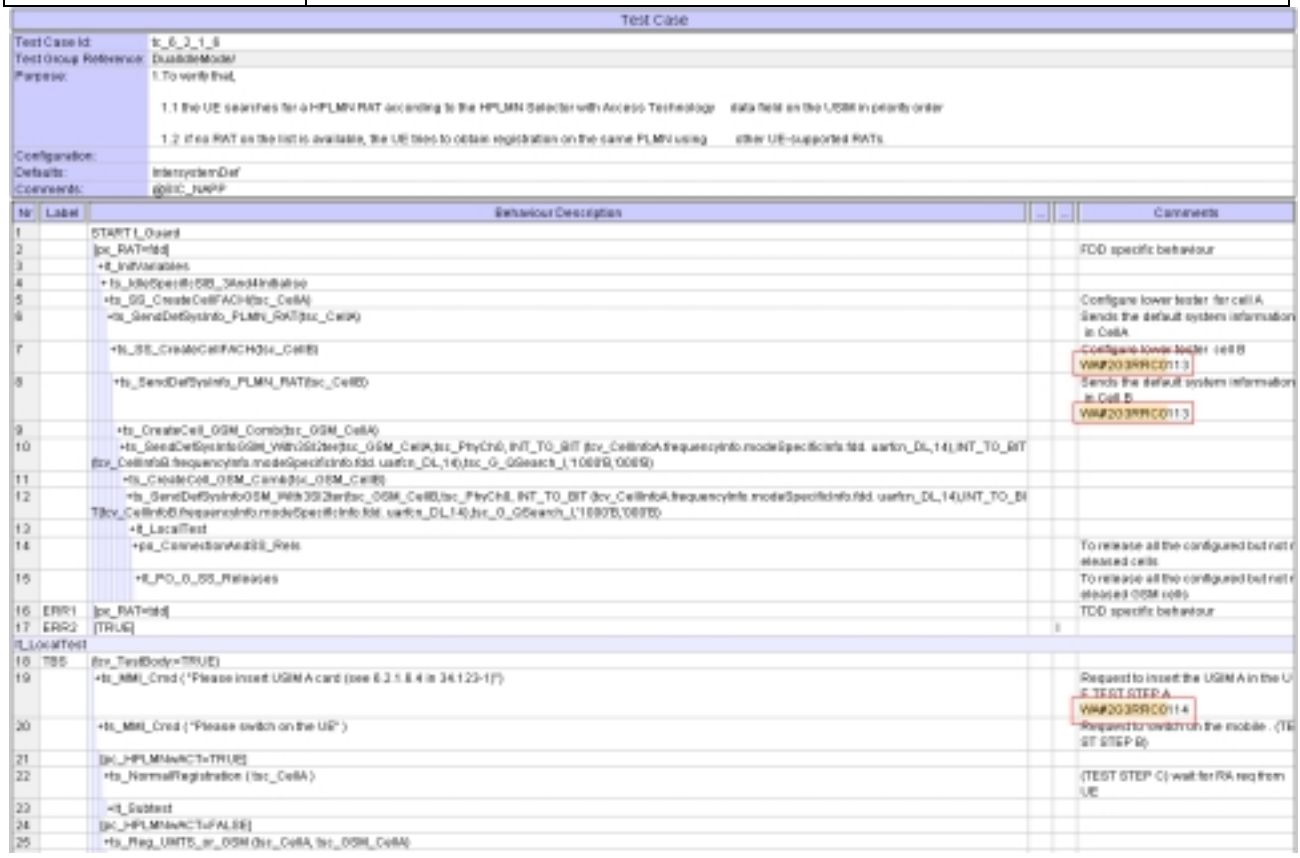
ETSI comment: This field may be used by ETSI colleagues giving a dedicated reply to the current CR document. Otherwise it is filled by the R&S 2G3 group when another kind of response is received from ETSI.

R&S conclusion: Filled by the R&S 2G3 group when the ETSI answer does not indicate acceptance of the change request.

4.3 Modifications inside the tc_6_2_1_6 behaviour table

TTCN object	tc_6_2_1_6
Reference ATS	IR_U_wk20.mp [4]
Change Label	WA#2G3RRC0113
Reason for change	There are invalid references to CellIds in 'Comments' column.
Summary of change	Refer to cellB instead of cellC and remove inapplicable comments.
Other affected objects	
Change Label	WA#2G3RRC0114
Reason for change	There are invalid references to table numbers in MMI command lines.
Summary of change	Refer to USIM A/B instead of tables 6/10.
Other affected objects	
Change Label	WA#2G3RRC0275
Reason for change	Urgent CR T1-040647 requires that for Inter-RAT idle mode test cases cells belonging to different RAT shall use different LAC and RAC.
Summary of change	Apply the appropriate new TS Constant for LAC in GERAN cells (see also WA#2G3RRC0274).
Other affected objects	

Change Label	WA#2G3RRC0292
Reason for change	When the UE is switched off to insert a new USIM card, this leads to a detach from a previously used UTRAN cell. The UE will send an RRC_ConnectionReq message with cause 'detach', which is currently not accepted and leads to a FAIL.
Summary of change	In the test case situations where a previously entered UTRAN cell is left (or may be left) by the UE, the variable is set to TRUE. This makes it possible to accept an RRC_ConnectionReq message with cause 'detach', received after switching off the UE, in the default.
Other affected objects	tcv_AcceptDetachFromPreviousCell (see T1s040347.doc [2]), ts_G_RR_Con_Est (see T1s040347.doc [2]), IntersystemDef (see T1s040347.doc [2])
Change Label	WA#2G3RRC0296
Reason for change	In lt_LocalTest the G_L2_ACCESS_INDs sent by the UE on GSM for IMSI detach when switched off are not received by the test case until the next location update, which then causes a failure (see WA#2G3RRC292).
Summary of change	Add lines starting a timer and waiting for the timeout, so that the G_L2_ACCESS_INDs (detach) can be processed in the test case default whilst waiting for timer expiry.
Other affected objects	
ETSI comment	
R&S conclusion	



26		(tcv_AcceptDetachFromPreviousCell := TRUE)			Allow acceptance of RRC_ConnReq with cause 'detach' if a UTRAN cell has been accessed previously. WA#2G3RRC0292
27		+ft_Subtest			
ft_SubtestI					
28		+ts_HO_ReconfFACH_ToFACH(tsc_CellA,tsc_CellB)			Prepare SS
29		+ts_MMI_Cmd ("Please switch off the UE")			Request to Manually select PLMN 3 (TEST STEP D)
30		START t_Dly(10000)			Process any G_L2_Access_Inds for IMSI detach in the default whilst waiting for timer expiry WA#2G3RRC0296
31		?TIMEOUT t_Dly			WA#2G3RRC0296
32		+ts_SS_Rel(tsc_CellA)			cell A switched off
33		+ts_MMI_Cmd ("Please switch on the UE")			Request to switch on the mobile. (TEST STEP D)
34		+ts_GSM_NormalRegistration(tsc_GSM_CellA)			(TEST STEP E)
35		+ts_MMI_Cmd ("Please switch off the UE")			Request to Manually select PLMN 3 (TEST STEP F)
36		START t_Dly(10000)			Process any G_L2_Access_Inds for IMSI detach in the default whilst waiting for timer expiry WA#2G3RRC0296
37		?TIMEOUT t_Dly			WA#2G3RRC0296
38		(tcv_AcceptDetachFromPreviousCell := FALSE)			Do not any more allow acceptance of RRC_ConnReq with cause 'detach'. WA#2G3RRC0292
39		+ts_MMI_Cmd ("Please insert USIM B card (see 6.2.1.6.4 in 34.123-1)")			Request to insert the USIM B in the UE (TEST STEP F) WA#2G3RRC0114
40		+ts_MMI_Cmd ("Please switch on the UE")			Request to switch on the mobile . (TEST STEP G)
41		+ts_GSM_NormalRegistration(tsc_GSM_CellA)			(TEST STEP H)
42	T66	(tcv_TestBody := FALSE)			
ft_InitVariables					
43		+ts_RRC_InitVariables(cell_FACH)			
44		+ts_GSM_InitVariables_TwoCells			Initialises the Variables depending on the GSM Band under usage For all Cells.
45		+ ft_ITU_BandSpecificInitializing			
46		(tcv_CellInfoA.mcc:=tsc_MCC_PLMN2,tcv_CellInfoA.mnc:=tsc_MNC_PLMN2,tcv_CellInfoA.lac:=tsc_LAC_PLMN2,tcv_CellInfoA.rac:=tsc_RAC_PLMN2,tcv_CellInfoA.attenuationLevel:=tcv_CellInfoA.powerpCPICH+78,tcv_CellInfoA.attFlag := tsc_AttOn)			Initialize CELL A Variable as the test case demands
47		(tcv_CellInfoB.mcc:=tsc_MCC_PLMN3,tcv_CellInfoB.mnc:=tsc_MNC_PLMN3,tcv_CellInfoB.lac:=tsc_LAC_PLMN3,tcv_CellInfoB.rac:=tsc_RAC_PLMN3,tcv_CellInfoB.attenuationLevel:=tcv_CellInfoB.powerpCPICH+75,tcv_CellInfoC.attFlag := tsc_AttOn)			Initialize CELL B Variable as the test case demands
48		(tcv_G_CellInfoA.mcc:=tsc_MCC_PLMN2,tcv_G_CellInfoA.mnc:=tsc_MNC_PLMN2,tcv_G_CellInfoA.lac:=tsc_LAC2_PLMN2,tcv_G_CellInfoA.downlinkPowerLevel:=tsc_G_DL_PowerLevel_65EMF)			Initialize CELL A Variable as the test case demands WA#2G3RRC0275
49		(tcv_G_CellInfoB.mcc:=tsc_MCC_PLMN3,tcv_G_CellInfoB.mnc:=tsc_MNC_PLMN3,tcv_G_CellInfoB.lac:=tsc_LAC2_PLMN3,tcv_G_CellInfoB.downlinkPowerLevel:=tsc_G_DL_PowerLevel_63EMF)			Initialize CELL B Variable as the test case demands WA#2G3RRC0275
ft_FO_G_SS_Releases					
50		+ts_GSM_SS_CellRelease(tsc_GSM_CellA)			(TEST STEP F) G cell A switched off
51		+ts_GSM_SS_CellRelease(tsc_GSM_CellB)			(TEST STEP F) G cell B switched off
ft_ITU_BandSpecificInitializing					
52		[px_OperationBandSupp = 1]			
53		(tcv_CellInfoA := c_CellInfoDiff (tsc_CellA, px_PriScrmCode, tsc_URA_IdCellA, tsc_CRNTI , px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh1, px_UL_ScramblingCode))			
54		(tcv_CellInfoB := c_CellInfoDiff (tsc_CellB, ((px_PriScrmCode + 50) MOD 512), tsc_URA_IdCellB, tsc_CRNTI , px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2, ((px_UL_ScramblingCode +1000) MOD 16777216)))			
55		[px_OperationBandSupp = 2]			
56		(tcv_CellInfoA := c_CellInfoDiff (tsc_CellA, px_PriScrmCode, tsc_URA_IdCellA, tsc_CRNTI , px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh1_Band2, px_UL_ScramblingCode))			
57		(tcv_CellInfoB := c_CellInfoDiff (tsc_CellB, ((px_PriScrmCode + 50) MOD 512), tsc_URA_IdCellB, tsc_CRNTI , px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2_Band2, ((px_UL_ScramblingCode +1000) MOD 16777216)))			
58		[px_OperationBandSupp = 3]			
59		(tcv_CellInfoA := c_CellInfoDiff (tsc_CellA, px_PriScrmCode, tsc_URA_IdCellA, tsc_CRNTI , px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh1_Band3, px_UL_ScramblingCode))			
60		(tcv_CellInfoB := c_CellInfoDiff (tsc_CellB, ((px_PriScrmCode + 50) MOD 512), tsc_URA_IdCellB, tsc_CRNTI , px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2_Band3, ((px_UL_ScramblingCode +1000) MOD 16777216)))			

Detailed Comment:

4.4 Other modifications relevant for tc_6_2_1_6

See next subclause.

4.5 Changes referred to from previous CRs

Table 2 below lists all Change Label/Affected TTCN Object combinations of changes in the RRC ATS required for tc_6_2_1_6, which also apply to one or more other test cases previously requested for approval and being defined unchanged in a previous CR issued by Rohde&Schwarz. For each change the document ID of the previous CR and the reference ATS are also shown.

Table 2: Change labels and affected TTCN objects of the RRC ATS treated in previous CRs

Change Labels	Affected TTCN Objects	Ref. ATS	CR DocId
WA#2G3RRC0199	ts_G_RR_Con_Est	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0199	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0210	tsc_CipheringModeCommand_Msg_Type	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0210	tsc_CipheringModeComplete_Msg_Type	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0237	ts_G_ChannelRelease	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0292	tcv_AcceptDetachFromPreviousCell	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0292	ts_G_RR_Con_Est	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0292	IntersystemDef	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0293	ts_G_RR_Con_Est	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0293	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0295	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [4]	T1s040347.doc [2]
WA#2G3RRC0297	ts_NAS_Registration	IR_U_wk20.mp [4]	T1s040347.doc [2]

5 Branches executed in test case 6.2.1.6

The test case was executed for the GSM 1800 band in Combined Attach (CSPS) Mode with Integrity activated and Ciphering disabled.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case in Combined Attach (CSPS) mode on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G, on the 1800 MHz band. The documentation below is enclosed as evidence of the successful test case run T1s040350.zip [1]:

a) TTCN ATS containing modified tc_6_2_1_6 (RRC_6_2_1_6.mp).

b1) Execution log files 6-2-1-6-CSPS-2G-PASS-html-logs\Index.html
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch, executed on the 1800 MHz band, in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file. By UE operation a **2G cell** is selected in the first step.

b2) Execution log files 6-2-1-6-CSPS-3G-PASS-html-logs\Index.html
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch, executed on the 1800 MHz band, in a tabular view and in message sequence chart (MSC) view. All message contents are fully decoded and listed in hexadecimal format. Preliminary verdicts and the final test case verdict are listed in the log file. By UE operation a **3G cell** is selected in the first step.

c) PICS/PIXIT file TC_6_2_1_6_CSPS_Pics_Pixit.txt
Text file containing all PICS/PIXIT parameters used for Combined Attach (CSPS) testing.

7 References

[1]	T1s040350.zip Archive comprising HTML Execution log files, PICS/PIXIT files and the TTCN MP file for the current CR (supplementary information).
[2]	T1s040347.doc Previous CR (on tc_6_2_1_1) containing change proposals also referred to in the current CR.
[3]	IR_U_wk23.mp ETSI InterRat RRC ATS version of week 20 (2004).
[4]	IR_U_wk20.mp ETSI InterRat RRC ATS version of week 20 (2004).
[5]	Anite comments on Racal Instruments submission of 2 GCF P2 RRC test cases 6.2.1.1 and 6.2.1.6 for email approval
[6]	T1s040327(6_2_1_6).zip Original Racal CR on tc_6_2_1_6.
[7]	T1s040328.zip Original Racal supplementary information on tc_6_2_1_6 (reduced ATS and .html files documenting TC run).
[8]	MCC160Comments_on_T1s040327(6_2_1_6).doc ETSI MCC160 comments on Racal CR on tc_6_2_1_6.

Annex A: List of change labels and affected TTCN objects

The following Table 3 lists all change labels being described in this document, together with the related affected TTCN objects, and the Reference ATS to which the change description applies. When no Reference ATS is present, the object is a new definition.

Table 3: List of change labels and related affected TTCN Objects and reference ATS

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0113	tc_6_2_1_6	IR_U_wk20.mp [4]
WA#2G3RRC0114	tc_6_2_1_6	IR_U_wk20.mp [4]
WA#2G3RRC0199	ts_G_RR_Con_Est	IR_U_wk20.mp [4]
WA#2G3RRC0199	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [4]
WA#2G3RRC0210	tsc_CipheringModeCommand_Msg_Type	IR_U_wk20.mp [4]
WA#2G3RRC0210	tsc_CipheringModeComplete_Msg_Type	IR_U_wk20.mp [4]
WA#2G3RRC0237	ts_G_ChannelRelease	IR_U_wk20.mp [4]
WA#2G3RRC0275	tc_6_2_1_6	IR_U_wk20.mp [4]
WA#2G3RRC0292	tcv_AcceptDetachFromPreviousCell	
WA#2G3RRC0292	tc_6_2_1_6	IR_U_wk20.mp [4]
WA#2G3RRC0292	ts_G_RR_Con_Est	IR_U_wk20.mp [4]
WA#2G3RRC0292	IntersystemDef	IR_U_wk20.mp [4]
WA#2G3RRC0293	ts_G_RR_Con_Est	IR_U_wk20.mp [4]
WA#2G3RRC0293	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [4]
WA#2G3RRC0295	ts_Reg_UMTS_or_GSM	IR_U_wk20.mp [4]
WA#2G3RRC0296	tc_6_2_1_6	IR_U_wk20.mp [4]
WA#2G3RRC0297	ts_NAS_Registration	IR_U_wk20.mp [4]

3GPP TSG-T1 E-Mail 2004
01 Jan - 31 Dec 2004

Tdoc ⌘T1S040351

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **401** ⌘**rev** **-** ⌘ Current version: **3.5.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Approved RRC Package 1 TC 8.3.4.2
Source:	⌘	Ericsson
Work item code:	⌘	TEI
Date:	⌘	21/06/2004
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. At step 29 in TC_8_3_4_2 the DPCH for Cell1 is removed with the comment that it is not used anymore. But Cell1 is used in the postamble to check that the UE is in Cell_FACH. 2. At step 36 the DPCH for Cell2 is removed and later on in the postamble at step 9 the DPCH is removed once more. This stops the TC as the SS can not remove the DPCH as it is already removed.
Summary of change:	⌘	1. Row 29 removed. 2. Row 9 is removed.
Consequences if not approved:	⌘	TC will fail a conformant UE.

Clauses affected:	⌘	tc_8_3_4_2

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

Other comments:	⌘	Affects R99, Rel4 and Rel5 UEs.

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Before:

tc_8_3_4_2

Test Case Name	tc_8_3_4_2
Group	RRC/RRC_ActSetUpdate/
Purpose	1. To confirm that the UE continues to communicate with the SS on the remaining radio link after radio link removal on the active set. 2. To confirm that the UE is not using the removed radio link to communicate with the SS.
Configuration	
Default	RRC_Def1
Comments	
Selection Ref	FDD_Mode
Description	Active set update in soft handover: Radio Link removal

Nr	Label	Behaviour Description
1		START t_Guard
2		+lt_RRC_InitVariables
3		+pr_GotoState6_9_Or6_10_MO (tsc_CellA)
4		+ts_SS_CreateCellDCH(tsc_CellB)
5		+ts_SendDefSysInfo(tsc_CellB)
6		(tcv_TestBody:=TRUE)
7		+lt_TestBody
8		(tcv_TestBody:=FALSE)
9		+ts_SHO_ReleaseDL_DPCH (tsc_CellB)
10		+po_ConnectionAndSS_Rels
		lt_TestBody
11		+ts_SS_IncrementCellPowerLevel (tsc_CellB ,15)
		……
28	TBP4	AM ? RLC_AM_DATA_IND CANCEL t_WaitMS

29		+ts_SHO_ReleaseDL_DPCH (tsc_CellA)
		.....

Detailed Comments	

After:

Before:

tc_8_3_4_2

Test Case Name	tc_8_3_4_2
Group	RRC/RRC_ActSetUpdate/
Purpose	1. To confirm that the UE continues to communicate with the SS on the remaining radio link after radio link removal on the active set. 2. To confirm that the UE is not using the removed radio link to communicate with the SS.
Configuration	
Default	RRC_Def1
Comments	
Selection Ref	FDD_Mode
Description	Active set update in soft handover: Radio Link removal

Nr	Label	Behaviour Description
1		START t_Guard
2		+lt_RRC_InitVariables
3		+pr_GotoState6_9_Or6_10_MO (tsc_CellA)
4		+ts_SS_CreateCellDCH(tsc_CellB)
5		+ts_SendDefSysInfo(tsc_CellB)
6		(tcv_TestBody:=TRUE)
7		+lt_TestBody
8		(tcv_TestBody:=FALSE)
10		+po_ConnectionAndSS_Rels

		lt_TestBody
11		+ts_SS_IncrementCellPowerLevel (tsc_CellB ,15)
		……
28	TBP4	AM ? RLC_AM_DATA_IND CANCEL t_WaitMS
30		AM ! RLC_AM_DATA_REQ
		……

Detailed Comments	

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 402** ⌘**rev -** ⌘ Current version: **3.5.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Approved RRC Package 2 TC 8.2.4.3
Source:	⌘	Ericsson
Work item code:	⌘	TEI
Date:	⌘	29/06/2004
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. In test step ts_RRC_InitVariablesCS the establishment cause for a Streaming call is set to originatingStreamingCall, but according to 24.008 annex L.1 table L.1.1 there is no valid establishment cause called originatingStreamingCall, it should instead use Originating Conversational Call. In this test step the correct PICS value to check for should be pc_Streaming and not pc_Conversational. 2. In test step ts_CC_RcvSetupOrEsetup the transaction identifiers and RAB id is not set for the Streaming path. 3. In several BCAP constraints the value for "intermRate" is hardcoded to ´00´B but according to Table 10.5.101g/3GPP TS 24.008: the value ´00´B is reserved.
Summary of change:	⌘	1. Establishment cause changed to Originating Conversational Call, pics corrected to pc_Streaming. 2. Correct setting of Transaction Identifiers and RAB id added. 3. BCAP constraints changed to wildcards for the value of "intermRate".
Consequences if not approved:	⌘	TC will fail a conformant UE.

Clauses affected:	⌘	tc_8_2_4_3

		Y	N		
Other specs affected:	⌘		X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	

Other comments:	⌘ Affects R99, Rel4 and Rel5 UEs.

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Before:

ts_RRC_InitVariablesCS

Test Step Name	ts_RRC_InitVariablesCS
Group	BasicM_General_Steps/
Objective	Initialisation of Testcase and Testsuite variables for RRC testcases
Default	RRC_Def1
Comments	
Description	

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+ts_InitVariables			
2		(tcv_CN_Domain := cs_domain, tcv_RAB_Id := tsc_RAB_DefCS)			
3		+ lt_RRC_InitServVarCS			
		lt_RRC_InitServVarCS			
4		[(px_RRC_CS_ServTested = speech) AND pc_Conversational]			
5		(tcv_RRC_RAB_Type := cell_DCH_Speech, tcv_RRC_PagingCau := terminatingConversationalCall, tcv_RRC_EstCauMO := originatingConversationalCall, tcv_RRC_EstCauMT := terminatingConversationalCall)			
6		[(px_RRC_CS_ServTested = conversational_64k) AND pc_Conversational]			
7		(tcv_RRC_RAB_Type := cell_DCH_64kCS_RAB_SRB, tcv_RRC_PagingCau := terminatingConversationalCall, tcv_RRC_EstCauMO := originatingConversationalCall, tcv_RRC_EstCauMT := terminatingConversationalCall)			
8		[(px_RRC_CS_ServTested = streaming_57_6k) AND pc_Conversational]			
9		(tcv_RRC_RAB_Type := cell_DCH_57_6kCS_RAB_SRB, tcv_RRC_PagingCau := terminatingStreamingCall, tcv_RRC_EstCauMO := originatingStreamingCall, tcv_RRC_EstCauMT :=			

		terminatingStreamingCall)			
10	ERR1	[TRUE]		I	Programming or parame error
Detailed Comments					

After:

ts_RRC_InitVariablesCS

Test Step Name	ts_RRC_InitVariablesCS
Group	BasicM_General_Steps/
Objective	Initialisation of Testcase and Testsuite variables for RRC testcases
Default	RRC_Def1
Comments	
Description	

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+ts_InitVariables			
2		(tcv_CN_Domain := cs_domain, tcv_RAB_Id := tsc_RAB_DefCS)			
3		+ lt_RRC_InitServVarCS			
		lt_RRC_InitServVarCS			
4		[(px_RRC_CS_ServTested = speech) AND pc_Conversational]			
5		(tcv_RRC_RAB_Type := cell_DCH_Speech, tcv_RRC_PagingCau := terminatingConversationalCall, tcv_RRC_EstCauMO := originatingConversationalCall, tcv_RRC_EstCauMT := terminatingConversationalCall)			
6		[(px_RRC_CS_ServTested = conversational_64k) AND pc_Conversational]			
7		(tcv_RRC_RAB_Type := cell_DCH_64kCS_RAB_SRB, tcv_RRC_PagingCau := terminatingConversationalCall, tcv_RRC_EstCauMO := originatingConversationalCall, tcv_RRC_EstCauMT := terminatingConversationalCall)			
8		[(px_RRC_CS_ServTested = streaming_57_6k) AND pc_Streaming]			
9		(tcv_RRC_RAB_Type :=			

		cell_DCH_57_6kCS_RAB_SRB, tcv_RRC_PagingCau := terminatingConversationalCall, tcv_RRC_EstCauMO := originatingConversationalCall, tcv_RRC_EstCauMT := terminatingConversationalCall)			
10	ERR1	[TRUE]		I	Programming or parame error
Detailed Comments					

Before:

ts_CC_RcvSetupOrEsetup

Test Step Name	ts_CC_RcvSetupOrEsetup (p_CellId : INTEGER)
Group	L3M_CC_Steps/
Objective	To manage Setup Mobile Originated.
Default	NAS_OtherwiseFail
Comments	Receipt of a SETUP message or an ESETUP message in case of emergency NOTE: The BCAP is a highly structured information element with 69 fi constraint re-usable, so the key fields of the BCAP shall be paramet parameters are used for the BCAP constraints.
Description	

Nr	Label	Behaviour Description	Constraints Ref
1		[(tcv_ActiveService = tsc_SrvEmgCall) OR (tcv_ActiveService = tsc_SrvTelephony)]	
2		+ lt_CC_TelephonyMO	
3		+ lt_InitCC_tcv	
4		[tcv_ActiveService = tsc_SrvAltSpeechFax]	
5		+ lt_CC_TS61_MO	
6		+ lt_InitCC_tcv	
7		[(tcv_ActiveService = tsc_Srv31kHz) OR (tcv_ActiveService = tsc_SrvV110) OR (tcv_ActiveService = tsc_SrvV120) OR (tcv_ActiveService = tsc_SrvPIAFS) OR (tcv_ActiveService = tsc_SrvFTM) OR (tcv_ActiveService = tsc_SrvX31) OR	

		(tcv_ActiveService = tsc_SrvBTM) OR (tcv_ActiveService = tsc_SrvMmediaCall)]	
8		[px_BcapSyncAsync = tsc_BcapASync]	
9		+ lt_CC_BS20_MO	
10		+ lt_InitCC_tcv	
11		[px_BcapSyncAsync = tsc_BcapSync]	
12		+ lt_CC_BS30_MO	
13		+ lt_InitCC_tcv	
		lt_InitCC_tcv	
14		[tcv_ActiveService = tsc_SrvEmgCall]	
15		(tcv_TI_R := tcv_ESetupr.ti , tcv_TI_S := tcv_TI_R , tcv_TI_S.tiFlag := '1'B, tcv_RAB_Id := tsc_RAB_DefCS)	
16		[tcv_ActiveService = tsc_SrvTelephony]	
17		(tcv_TI_R := tcv_SetupMOr.ti , tcv_TI_S := tcv_TI_R , tcv_TI_S.tiFlag := '1'B, tcv_RAB_Id := tsc_RAB_DefCS)	
		lt_CC_TelephonyMO	
18		[tcv_ActiveService = tsc_SrvEmgCall]	
19		Dc ? RRC_DataInd (tcv_ESetupr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_ESetup (cr_BcapSpeechMO))
20		[tcv_ActiveService = tsc_SrvTelephony]	
21		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cr_BcapSpeechMO, cr_LLC_Any))
22	ERR1	[TRUE]	
		lt_CC_TS61_MO	
23		[(px_BcapFNUR = tsc_Bcap9600) OR (px_BcapFNUR = tsc_Bcap14400)]	
24		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO_2_Bcap (cr_BcapSpeechMO, cdr_BcapMO_AsyncNT (tsc_BcapITC_Fax3, tsc_BcapRA_No , tsc_BcapSACP_I440450, tsc_BcapMT_None ,

			tsc_BcapOtherMT_None), cr_LLC_Any))
25	ERR1	[(px_BcapFNUR <> tsc_Bcap9600) AND (px_BcapFNUR <> tsc_Bcap14400)]	
		lt_CC_BS20_MO	
26		+ lt_BS20_CheckPixit	
27		[tcv_ActiveService = tsc_Srv31kHz]	
28		[tcv_BcapCE = tsc_BcapCE_NT]	
29		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapMO_7_AsyncNT (tsc_BcapITC_31kHz, tsc_BcapRA_No , tsc_BcapSACP_I440450 , px_BcapModemType, px_BcapOtherModemType), cdr_LLC_BS20_31kHzA))
30		[tcv_BcapCE = tsc_BcapCE_T]	
31		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapMO_AsyncT (tsc_BcapITC_31kHz, tsc_BcapRA_No , tsc_BcapSACP_I440450 , px_BcapModemType, px_BcapOtherModemType), cdr_LLC_BS20_31kHzA))
32	ERR2	[TRUE]	
33		[tcv_ActiveService = tsc_SrvPIAFS]	
34		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))
35		[tcv_ActiveService = tsc_SrvFTM]	
36		[px_BcapITC = tsc_BcapITC_IntUDI]	
37		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_AsyncNT (tsc_BcapITC_UDI, tsc_BcapRA_X31, tsc_BcapSACP_I440450, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))
38		[px_BcapITC = tsc_BcapITC_IntRDI]	
39		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg	car_UplinkDirectTransfer (tsc_CellDedicated,

		)	tsc_RB3,cr_SetupMO (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_Other, tsc_BcapRA_X31, tsc_BcapSACP_I440450, tsc_BcapOtherITC_RDI, tsc_BcapOtherRA_Spare, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))
40	ERR3	[(px_BcapITC <> tsc_BcapITC_IntRDI) AND (px_BcapITC <> tsc_BcapITC_IntUDI)]	
41		[tcv_ActiveService = tsc_SrvV110]	
42		[tcv_BcapCE = tsc_BcapCE_NT]	
43		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapMO_7_AsyncNT (tsc_BcapITC_UDI, tsc_BcapRA_V110, tsc_BcapSACP_I440450, tsc_BcapMT_None, tsc_BcapOtherMT_None), cbr_LLC_BS20_UDI_V110))
44		[tcv_BcapCE = tsc_BcapCE_T]	
45		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapMO_AsyncT (tsc_BcapITC_UDI, tsc_BcapRA_V110, tsc_BcapSACP_I440450, tsc_BcapMT_None, tsc_BcapOtherMT_None) , cbr_LLC_BS20_UDI_V110))
46	ERR4	[TRUE]	
47		[tcv_ActiveService = tsc_SrvV120]	
48		[px_BcapITC = tsc_BcapITC_IntUDI]	
49		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_SetupMO (cr_BcapMO_5ab7_V120 (tsc_BcapITC_UDI, tsc_BcapSACP_I440450, tsc_BcapOtherITC_Spare, tsc_BcapASync, tsc_BcapMT_None, tsc_BcapOtherMT_None), cdr_LLC_BS20_UDI_V120))
50		[px_BcapITC = tsc_BcapITC_IntRDI]	
51		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cr_BcapMO_5ab7_V120 (tsc_BcapITC_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_RDI, tsc_BcapASync, tsc_BcapMT_None,

			tsc_BcapOtherMT_None) , cdr_LLC_BS20_RDI_V120))
52	ERR5	[(px_BcapITC <> tsc_BcapITC_IntUDI) AND (px_BcapITC <> tsc_BcapITC_IntRDI)]	
53	ERR1	[TRUE]	
		lt_BS20_CheckPixit	
54	ERR6	[(px_BcapITC <> tsc_BcapITC_IntUDI) AND (px_BcapITC <> tsc_BcapITC_IntRDI) AND (px_BcapITC <> tsc_BcapITC_Int31kHzA)]	
55		[TRUE]	
56	ERR7	[px_BcapSACP <> tsc_BcapSACP_I440450]	
57		[TRUE]	
		lt_CC_BS30_MO	
58		+ lt_BS30_CheckPixit	
59		[tcv_ActiveService = tsc_Srv31kHz]	
60		+ lt_BS30_31kHz	
61		[tcv_ActiveService = tsc_SrvV110]	
62		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_SyncT (tsc_BcapITC_UDI, tsc_BcapRA_V110, tsc_BcapSACP_I440450, tsc_BcapMT_None, tsc_BcapOtherMT_None) , cbr_LLC_BS30_UDI_V110))
63		[tcv_ActiveService = tsc_SrvX31]	
64		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_7_SyncNT (tsc_BcapITC_UDI, tsc_BcapRA_X31, tsc_BcapSACP_X32, tsc_BcapMT_None, tsc_BcapOtherMT_None) , cr_LLC_Any))
65		[tcv_ActiveService = tsc_SrvV120]	
66		[px_BcapITC = tsc_BcapITC_IntUDI]	
67		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_SetupMO (cr_BcapMO_5ab7_V120 (tsc_BcapITC_UDI, tsc_BcapSACP_X32, tsc_BcapOtherITC_Spare, tsc_BcapSync , tsc_BcapMT_None, tsc_BcapOtherMT_None) , cdr_LLC_BS30_UDI_V120))
68		[px_BcapITC = tsc_BcapITC_IntRDI]	

69		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cr_BcapMO_5ab7_V120 (tsc_BcapITC_Other, tsc_BcapSACP_X32, tsc_BcapOtherITC_RDI, tsc_BcapSync , tsc_BcapMT_None, tsc_BcapOtherMT_None) , cdr_LLC_BS30_RDI_V120))
70	ERR4	[TRUE]	
71		[tcv_ActiveService = tsc_SrvBTM]	
72		[(px_BcapFNUR = tsc_Bcap56000)]	
73		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_5a_SyncT (tsc_BcapITC_Other, tsc_BcapRA_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_RDI, tsc_BcapOtherRA_Spare, tsc_BcapMT_None, tsc_BcapOtherMT_None) , cr_LLC_Any))
74		[(px_BcapFNUR = tsc_Bcap64000)]	
75		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_SyncT (tsc_BcapITC_UDI, tsc_BcapRA_No, tsc_BcapSACP_I440450, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))
76	ERR5	[TRUE]	
77		[tcv_ActiveService = tsc_SrvMmediaCall]	
78		+ lt_BS30_Mmedia	
79	ERR1	[TRUE]	
		lt_BS30_31kHz	
80		[px_BcapSACP = tsc_BcapSACP_I440450]	
81		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_SyncT (tsc_BcapITC_31kHz, tsc_BcapRA_No , tsc_BcapSACP_I440450 , px_BcapModemType, px_BcapOtherModemType), cdr_LLC_BS30_31kHzA))
82		[px_BcapSACP = tsc_BcapSACP_X32]	
83		[(tcv_BcapCE = tsc_BcapCE_NT)]	
84		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (

			cdr_BcapMO_7_SyncNT (tsc_BcapITC_31kHz, tsc_BcapRA_No , tsc_BcapSACP_X32, px_BcapModemType, px_BcapOtherModemType), cdr_LLC_BS30_31kHzA))
85		[(tcv_BcapCE = tsc_BcapCE_T)]	
86		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_SyncT (tsc_BcapITC_31kHz, tsc_BcapRA_No , tsc_BcapSACP_X32, px_BcapModemType, px_BcapOtherModemType), cdr_LLC_BS30_31kHzA))
87	ERR2	[TRUE]	
88	ERR3	[TRUE]	
		lt_BS30_Mmedia	
89		[(px_BcapFNUR = tsc_Bcap28800) OR (px_BcapFNUR = tsc_Bcap33600)]	
90		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_5a_SyncT (tsc_BcapITC_31kHz, tsc_BcapRA_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_H223, ?, tsc_BcapOtherMT_V34), cr_LLC_Any))
91		[(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap64000)]	
92		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO(cdr_BcapMO_5a_SyncT (tsc_BcapITC_UDI, tsc_BcapRA_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_H223, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))
93		[(px_BcapFNUR = tsc_Bcap56000)]	
94		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_SetupMO (cdr_BcapMO_5a_SyncT (tsc_BcapITC_Other, tsc_BcapRA_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_RDI, tsc_BcapOtherRA_H223, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))
95	ERR6	[TRUE]	
		lt_BS30_CheckPixit	
96	ERR7	[(px_BcapITC <> tsc_BcapITC_IntUDI) AND (px_BcapITC <> tsc_BcapITC_IntRDI)	

		AND (px_BcapITC <> tsc_BcapITC_Int31kHzA)]	
97		[TRUE]	
98	ERR8	[(px_BcapSACP <> tsc_BcapSACP_I440450) AND (px_BcapSACP <> tsc_BcapSACP_X32)]	
99		[TRUE]	
Detailed Comments			

After:

ts_CC_RcvSetupOrEsetup

Test Step Name	ts_CC_RcvSetupOrEsetup (p_CellId : INTEGER)
Group	L3M_CC_Steps/
Objective	To manage Setup Mobile Originated.
Default	NAS_OtherwiseFail
Comments	Receipt of a SETUP message or an ESETUP message in case of emergency NOTE: The BCAP is a highly structured information element with 69 fi constraint re-usable, so the key fields of the BCAP shall be paramet parameters are used for the BCAP constraints.
Description	

Nr	Label	Behaviour Description	Constraints Ref
1		[(tcv_ActiveService = tsc_SrvEmgCall) OR (tcv_ActiveService = tsc_SrvTelephony)]	
2		+ lt_CC_TelephonyMO	
3		+ lt_InitCC_tcv	
4		[tcv_ActiveService = tsc_SrvAltSpeechFax]	
5		+ lt_CC_TS61_MO	
6		+ lt_InitCC_tcv	
7		[(tcv_ActiveService = tsc_Srv31kHz) OR (tcv_ActiveService = tsc_SrvV110) OR (tcv_ActiveService = tsc_SrvV120) OR (tcv_ActiveService = tsc_SrvPIAFS) OR (tcv_ActiveService = tsc_SrvFTM) OR (tcv_ActiveService = tsc_SrvX31) OR (tcv_ActiveService = tsc_SrvBTM) OR (tcv_ActiveService = tsc_SrvMmediaCall)]	
8		[px_BcapSyncAsync = tsc_BcapASync]	
9		+ lt_CC_BS20_MO	

10		+ lt_InitCC_tcv	
11		[px_BcapSyncAsync = tsc_BcapSync]	
12		+ lt_CC_BS30_MO	
13		+ lt_InitCC_tcv	
		lt_InitCC_tcv	
14		[tcv_ActiveService = tsc_SrvEmgCall]	
15		(tcv_TI_R := tcv_ESetupr.ti , tcv_TI_S := tcv_TI_R , tcv_TI_S.tiFlag := '1'B, tcv_RAB_Id := tsc_RAB_DefCS)	
16		[tcv_ActiveService = tsc_SrvTelephony]	
17		(tcv_TI_R := tcv_SetupMOr.ti , tcv_TI_S := tcv_TI_R , tcv_TI_S.tiFlag := '1'B, tcv_RAB_Id := tsc_RAB_DefCS)	
18		[tcv_ActiveService = tsc_Srv31kHz]	
19		(tcv_TI_R := tcv_SetupMOr.ti , tcv_TI_S := tcv_TI_R , tcv_TI_S.tiFlag := '1'B, tcv_RAB_Id := tsc_RAB_DefCS)	
20		[TRUE]	
		lt_CC_TelephonyMO	
21		[tcv_ActiveService = tsc_SrvEmgCall]	
22		Dc ? RRC_DataInd (tcv_ESetupr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_ES cr_BcapSpeech
23		[tcv_ActiveService = tsc_SrvTelephony]	
24		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cr_BcapSpeech))
25	ERR1	[TRUE]	
		lt_CC_TS61_MO	
26		[(px_BcapFNUR = tsc_Bcap9600) OR (px_BcapFNUR = tsc_Bcap14400)]	
27		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cr_BcapSpeech cdr_BcapMO_As tsc_BcapITC_F tsc_BcapRA_No tsc_BcapSACP_ tsc_BcapMT_No tsc_BcapOther cr_LLC_Any))

28	ERR1	[(px_BcapFNUR <> tsc_Bcap9600) AND (px_BcapFNUR <> tsc_Bcap14400)]	
		lt_CC_BS20_MO	
29		+ lt_BS20_CheckPixit	
30		[tcv_ActiveService = tsc_Srv31kHz]	
31		[tcv_BcapCE = tsc_BcapCE_NT]	
32		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cbr_BcapMO_7_ tsc_BcapITC_3 tsc_BcapRA_No tsc_BcapSACP_ px_BcapModemT px_BcapOtherM cdr_LLC_BS20_
33		[tcv_BcapCE = tsc_BcapCE_T]	
34		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cbr_BcapMO_As tsc_BcapITC_3 tsc_BcapRA_No tsc_BcapSACP_ px_BcapModemT px_BcapOtherM cdr_LLC_BS20_
35	ERR2	[TRUE]	
36		[tcv_ActiveService = tsc_SrvPIAFS]	
37		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cbr_BcapMO_5a tsc_BcapITC_U tsc_BcapRA_Ot tsc_BcapSACP_ tsc_BcapOther tsc_BcapOther tsc_BcapMT_No tsc_BcapOther cr_LLC_Any))
38		[tcv_ActiveService = tsc_SrvFTM]	
39		[px_BcapITC = tsc_BcapITC_IntUDI]	
40		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_As tsc_BcapITC_U tsc_BcapRA_X3 tsc_BcapSACP_ tsc_BcapMT_No tsc_BcapOther cr_LLC_Any))
41		[px_BcapITC = tsc_BcapITC_IntRDI]	
42		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se

			cbr_BcapMO_5a tsc_BcapITC_O tsc_BcapRA_X3 tsc_BcapSACP_ tsc_BcapOther tsc_BcapOther tsc_BcapMT_No tsc_BcapOther cr_LLC_Any))
43	ERR3	[(px_BcapITC <> tsc_BcapITC_IntRDI) AND (px_BcapITC <> tsc_BcapITC_IntUDI)]	
44		[tcv_ActiveService = tsc_SrvV110]	
45		[tcv_BcapCE = tsc_BcapCE_NT]	
46		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cbr_BcapMO_7_ tsc_BcapITC_U tsc_BcapRA_V1 tsc_BcapSACP_ tsc_BcapMT_No tsc_BcapOther cbr_LLC_BS20_
47		[tcv_BcapCE = tsc_BcapCE_T]	
48		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cbr_BcapMO_As tsc_BcapITC_U tsc_BcapRA_V1 tsc_BcapSACP_ tsc_BcapMT_No tsc_BcapOther cbr_LLC_BS20_
49	ERR4	[TRUE]	
50		[tcv_ActiveService = tsc_SrvV120]	
51		[px_BcapITC = tsc_BcapITC_IntUDI]	
52		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther tsc_BcapASync tsc_BcapMT_No tsc_BcapOther cdr_LLC_BS20_
53		[px_BcapITC = tsc_BcapITC_IntRDI]	
54		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cr_BcapMO_5ab tsc_BcapITC_O tsc_BcapSACP_ tsc_BcapOther tsc_BcapASync tsc_BcapMT_No

			tsc_BcapOther cdr_LLC_BS20_
55	ERR5	[(px_BcapITC <> tsc_BcapITC_IntUDI) AND (px_BcapITC <> tsc_BcapITC_IntRDI)]	
56	ERR1	[TRUE]	
		lt_BS20_CheckPixit	
57	ERR6	[(px_BcapITC <> tsc_BcapITC_IntUDI) AND (px_BcapITC <> tsc_BcapITC_IntRDI) AND (px_BcapITC <> tsc_BcapITC_Int31kHzA)]	
58		[TRUE]	
59	ERR7	[px_BcapSACP <> tsc_BcapSACP_I440450]	
60		[TRUE]	
		lt_CC_BS30_MO	
61		+ lt_BS30_CheckPixit	
62		[tcv_ActiveService = tsc_Srv31kHz]	
63		+ lt_BS30_31kHz	
64		[tcv_ActiveService = tsc_SrvV110]	
65		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_Sy (tsc_BcapIT tsc_BcapRA_V1 tsc_BcapSACP_ tsc_BcapMT_No tsc_BcapOther cbr_LLC_BS30_
66		[tcv_ActiveService = tsc_SrvX31]	
67		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_7_ tsc_BcapITC_U tsc_BcapRA_X3 tsc_BcapSACP_ tsc_BcapMT_No tsc_BcapOther cr_LLC_Any))
68		[tcv_ActiveService = tsc_SrvV120]	
69		[px_BcapITC = tsc_BcapITC_IntUDI]	
70		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther tsc_BcapSync tsc_BcapMT_No tsc_BcapOther cdr_LLC_BS30_
71		[px_BcapITC = tsc_BcapITC_IntRDI]	
72		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se

			cr_BcapMO_5ab tsc_BcapITC_O tsc_BcapSACP_ tsc_BcapOther tsc_BcapSync tsc_BcapMT_No tsc_BcapOther cdr_LLC_BS30_
73	ERR4	[TRUE]	
74		[tcv_ActiveService = tsc_SrvBTM]	
75		[(px_BcapFNUR = tsc_Bcap56000)]	
76		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_5a (tsc_BcapITC tsc_BcapRA_Ot tsc_BcapSACP_ tsc_BcapOther tsc_BcapOther tsc_BcapMT_No tsc_BcapOther cr_LLC_Any))
77		[(px_BcapFNUR = tsc_Bcap64000)]	
78		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_Sy tsc_BcapITC_U tsc_BcapRA_No tsc_BcapSACP_ tsc_BcapMT_No tsc_BcapOther cr_LLC_Any))
79	ERR5	[TRUE]	
80		[tcv_ActiveService = tsc_SrvMmediaCall]	
81		+ lt_BS30_Mmedia	
82	ERR1	[TRUE]	
		lt_BS30_31kHz	
83		[px_BcapSACP = tsc_BcapSACP_I440450]	
84		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_Sy tsc_BcapITC_3 tsc_BcapRA_No tsc_BcapSACP_ px_BcapModemT px_BcapOtherM cdr_LLC_BS30_
85		[px_BcapSACP = tsc_BcapSACP_X32]	
86		[(tcv_BcapCE = tsc_BcapCE_NT)]	
87		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_7_

			tsc_BcapITC_3 tsc_BcapRA_No tsc_BcapSACP_ px_BcapModemT px_BcapOtherM cdr_LLC_BS30_
88		[(tcv_BcapCE = tsc_BcapCE_T)]	
89		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_Sy tsc_BcapITC_3 tsc_BcapRA_No tsc_BcapSACP_ px_BcapModemT px_BcapOtherM cdr_LLC_BS30_
90	ERR2	[TRUE]	
91	ERR3	[TRUE]	
		lt_BS30_Mmedia	
92		[(px_BcapFNUR = tsc_Bcap28800) OR (px_BcapFNUR = tsc_Bcap33600)]	
93		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_5a (tsc_BcapITC tsc_BcapRA_Ot tsc_BcapSACP_ tsc_BcapOther tsc_BcapOther tsc_BcapOther cr_LLC_Any))
94		[(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap64000)]	
95		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_5a (tsc_BcapITC tsc_BcapRA_Ot tsc_BcapSACP_ tsc_BcapOther tsc_BcapOther tsc_BcapMT_No tsc_BcapOther cr_LLC_Any))
96		[(px_BcapFNUR = tsc_Bcap56000)]	
97		Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	car_UplinkDir tsc_CellDedic cr_SetupMO (cdr_BcapMO_5a (tsc_BcapITC tsc_BcapRA_Ot tsc_BcapSACP_ tsc_BcapOther tsc_BcapOther tsc_BcapMT_No

			tsc_BcapOthercr_LLC_Any))
98	ERR6	[TRUE]	
		lt_BS30_CheckPixit	
99	ERR7	[(px_BcapITC <> tsc_BcapITC_IntUDI) AND (px_BcapITC <> tsc_BcapITC_IntRDI) AND (px_BcapITC <> tsc_BcapITC_Int31kHzA)]	
100		[TRUE]	
101	ERR8	[(px_BcapSACP <> tsc_BcapSACP_I440450) AND (px_BcapSACP <> tsc_BcapSACP_X32)]	
102		[TRUE]	

Detailed Comments	

Before:

cbr_BcapMO_5a_AsyncNT

Constraint Name	cbr_BcapMO_5a_AsyncNT (p_Itc : B3 ; p_Ra: B2; p_Sacp : B3 ; p_O p_OtherModemType : B2)
Structured Type	Bcap
Derivation Path	
Encoding Variation	
Comments	Base Bearer capability with an Asynchronous mode and Non transpar 4, 5 , 5a, 6, 6a, 6b, 6c and 6d . The BCAP is a highly structured information element with 69 field re-usable, so the key fields of the BCAP shall be parametrised. T used for the BCAP constraints.

Element Name	Element Value	Element Encoding	Comments
iei	'00000100'B		
iel	?		
extBit3	'1'B		no extension
radioChRequi	?		spare bits for n-> ue
codingStd	'0'B		GSM
transferMode	'0'B		transfer mode octet 3
itc	p_Itc		
bcap3aEtc1	-		
bcap3aEtc2	-		
bcap3aEtc3	-		
bcap3aEtc4	-		
bcap3aEtc5	-		
bcap3aEtc6	-		
extBit4	'1'B		no extension
compress	?		
structure	'00'B		SDU Integrity
duplexMode	'1'B		Full duplex mode

cfg	'0'B		configuration: point-to-point
nirr	?		negotiation of intermediate ra
establish	'0'B		demand
extBit5	'0'B		extension
accessId	'00'B		
rateAdapt	p_Ra		
sacp	p_Sacp		I.440/I.450
extBit5a	'1'B		no extension
OherItc	p_OtherItc		
OtherRateAdapt	p_OtherRa		
spare3	'000'B		
extBit5b	-		
rateAdaptHeader	-		
multiFrame	-		
mode	-		
logLinkId	-		
assignorAssignee	-		
inBandOutBand	-		
spare1	-		
extBit6	'0'B		extension
layer1Id	'01'B		Default
userInfoLayer1	'0000'B		
syncAsync	'1'B		Asynchronous
extBit6a	'0'B		extension bit, octet 6a
numStopBits	?		
nego	'0'B		Not possible
numDataBits	?		
userRate	('0001'B, '0010'B, '0011'B, '0100'B, '0101'B, '0110'B)		spare
extBit6b	'0'B		extension
intermRate	'00'B		spare
nicTx	'0'B		spare
nicRx	'0'B		spare
parity	?		
extBit6c	'0'B		extension
connectElem	'01'B		Non Transparent
modemType	p_ModemType		none
extBit6d	*		no extension
OtherModemType	p_OtherModemType IF_PRESENT		
FixedNtwUserRate	px_BcapFNUR IF_PRESENT		
extBit6e	*		
acceptChCoding	*		
maxNumTrafficCh	*		
extBit6f	*		

uIMI	*		
wAIUR	*		
extBit6g	*		
acceptChCodingExt	*		
asymInd	*		
spare2	*		
extBit7	-		
layer2id	-		
userInfoLayer2	-		
Detailed Comments			

After:

cbr_BcapMO_5a_AsyncNT

Constraint Name	cbr_BcapMO_5a_AsyncNT (p_Itc : B3 ; p_Ra: B2; p_Sacp : B3 ; p_O p_ModemType : B5; p_OtherModemType : B2)
Structured Type	Bcap
Derivation Path	
Encoding Variation	
Comments	Base Bearer capability with an Asynchronous mode and Non transpar containing octets 3, 4, 5 , 5a, 6, 6a, 6b, 6c and 6d . The BCAP is a highly structured information element with 69 field make the constraint re-usable, so the key fields of the BCAP sha implies that more than 5 parameters are used for the BCAP constra

Element Name	Element Value	Element Encoding
iei	'00000100'B	
iel	?	
extBit3	'1'B	
radioChRequi	?	
codingStd	'0'B	
transferMode	'0'B	
itc	p_Itc	
bcap3aEtc1	-	
bcap3aEtc2	-	
bcap3aEtc3	-	
bcap3aEtc4	-	
bcap3aEtc5	-	
bcap3aEtc6	-	
extBit4	'1'B	
compress	?	
structure	'00'B	

duplexMode	'1'B	
cfg	'0'B	
nirr	?	
establish	'0'B	
extBit5	'0'B	
accessId	'00'B	
rateAdapt	p_Ra	
sacp	p_Sacp	
extBit5a	'1'B	
OherItc	p_OtherItc	
OtherRateAdapt	p_OtherRa	
spare3	'000'B	
extBit5b	-	
rateAdaptHeader	-	
multiFrame	-	
mode	-	
logLinkId	-	
assignorAssignee	-	
inBandOutBand	-	
spare1	-	
extBit6	'0'B	
layer1Id	'01'B	
userInfoLayer1	'0000'B	
syncAsync	'1'B	
extBit6a	'0'B	
numStopBits	?	
nego	'0'B	
numDataBits	?	
userRate	('0001'B, '0010'B, '0011'B, '0100'B, '0101'B, '0110'B)	
extBit6b	'0'B	
intermRate	'??'B	
nicTx	'0'B	
nicRx	'0'B	
parity	?	
extBit6c	'0'B	
connectElem	'01'B	
modemType	p_ModemType	
extBit6d	*	
OtherModemType	p_OtherModemType IF_PRESENT	
FixedNtwUserRate	px_BcapFNUR IF_PRESENT	
extBit6e	*	
acceptChCoding	*	
maxNumTrafficCh	*	

extBit6f	*	
uIMI	*	
wAIUR	*	
extBit6g	*	
acceptChCodingExt	*	
asymInd	*	
spare2	*	
extBit7	-	
layer2id	-	
userInfoLayer2	-	
Detailed Comments		

Before:

cbr_BcapMO_7_AsyncNT

Constraint Name	cbr_BcapMO_7_AsyncNT (p_Itc : B3 ; p_RA: B2 ; p_Sacp : B3 ; p_Mo p_OtherModemType : B2)
Structured Type	Bcap
Derivation Path	
Encoding Variation	
Comments	Base Bearer capability with an Asynchronous mode and Non transpar containing octets 3, 4, 5 , 6, 6a, 6b, 6c, 6d and 7. The BCAP is a highly structured information element with 69 field make the constraint re-usable, so the key fields of the BCAP sha implies that more than 5 parameters are used for the BCAP constra

Element Name	Element Value	Element Encoding	Comments
iei	'00000100'B		
iel	?		
extBit3	'1'B		no extension
radioChRequi	?		spare bits for n-> ue
codingStd	'0'B		GSM
transferMode	'0'B		transfer mode octet 3
itc	p_Itc		information transfer capabilit
bcap3aEtc1	-		
bcap3aEtc2	-		
bcap3aEtc3	-		
bcap3aEtc4	-		
bcap3aEtc5	-		
bcap3aEtc6	-		
extBit4	'1'B		no extension
compress	?		PIXIT compression
structure	'00'B		SDU Integrity
duplexMode	'1'B		Full duplex mode

cfg	'0'B		configuration: point-to-point
nirr	?		
establish	'0'B		demand
extBit5	'1'B		no extension
accessId	'00'B		
rateAdapt	p_RA		
sacp	p_Sacp		
extBit5a	-		
OherItc	-		
OtherRateAdapt	-		
spare3	-		
extBit5b	-		
rateAdaptHeader	-		
multiFrame	-		
mode	-		
logLinkId	-		
assignorAssignee	-		
inBandOutBand	-		
spare1	-		
extBit6	'0'B		extension
layer1Id	'01'B		Default
userInfoLayer1	'0000'B		
syncAsync	'1'B		Asynchronous
extBit6a	'0'B		extension bit, octet 6a
numStopBits	?		
nego	'0'B		Not possible
numDataBits	?		
userRate	('0001'B, '0010'B, '0011'B, '0100'B, '0101'B, '0110'B)		spare
extBit6b	'0'B		extension
intermRate	'00'B		spare
nicTx	'0'B		spare
nicRx	'0'B		spare
parity	?		
extBit6c	'0'B		extension
connectElem	'01'B		Non Transparent
modemType	p_ModemType		
extBit6d	*		no extension
OtherModemType	p_OtherModemType IF_PRESENT		
FixedNtwUserRate	px_BcapFNUR IF_PRESENT		
extBit6e	*		
acceptChCoding	*		
maxNumTrafficCh	*		
extBit6f	*		

uIMI	*		
wAIUR	*		
extBit6g	*		
acceptChCodingExt	*		
asymInd	*		
spare2	*		
extBit7	*		no extension
layer2id	*		layer 2 Id
userInfoLayer2	*		
Detailed Comments			

After:

cbr_BcapMO_7_AsyncNT

Constraint Name	cbr_BcapMO_7_AsyncNT (p_Itc : B3 ; p_RA: B2 ; p_Sacp : B3 ; p_Mo p_OtherModemType : B2)
Structured Type	Bcap
Derivation Path	
Encoding Variation	
Comments	Base Bearer capability with an Asynchronous mode and Non transpar containing octets 3, 4, 5 , 6, 6a, 6b, 6c, 6d and 7. The BCAP is a highly structured information element with 69 field make the constraint re-usable, so the key fields of the BCAP sha implies that more than 5 parameters are used for the BCAP constra

Element Name	Element Value	Element Encoding	Comments
iei	'00000100'B		
iel	?		
extBit3	'1'B		no extension
radioChRequi	?		spare bits for n-> ue
codingStd	'0'B		GSM
transferMode	'0'B		transfer mode octet 3
itc	p_Itc		information transfer capabilit
bcap3aEtc1	-		
bcap3aEtc2	-		
bcap3aEtc3	-		
bcap3aEtc4	-		
bcap3aEtc5	-		
bcap3aEtc6	-		
extBit4	'1'B		no extension
compress	?		PIXIT compression
structure	'00'B		SDU Integrity
duplexMode	'1'B		Full duplex mode
cfg	'0'B		configuration: point-to-point

nirr	?		
establish	'0'B		demand
extBit5	'1'B		no extension
accessId	'00'B		
rateAdapt	p_RA		
sacp	p_Sacp		
extBit5a	-		
OherItc	-		
OtherRateAdapt	-		
spare3	-		
extBit5b	-		
rateAdaptHeader	-		
multiFrame	-		
mode	-		
logLinkId	-		
assignorAssignee	-		
inBandOutBand	-		
spare1	-		
extBit6	'0'B		extension
layer1Id	'01'B		Default
userInfoLayer1	'0000'B		
syncAsync	'1'B		Asynchronous
extBit6a	'0'B		extension bit, octet 6a
numStopBits	?		
nego	'0'B		Not possible
numDataBits	?		
userRate	('0001'B, '0010'B, '0011'B, '0100'B, '0101'B, '0110'B)		spare
extBit6b	'0'B		extension
intermRate	'??'B		spare
nicTx	'0'B		spare
nicRx	'0'B		spare
parity	?		
extBit6c	'0'B		extension
connectElem	'01'B		Non Transparent
modemType	p_ModemType		
extBit6d	*		no extension
OtherModemType	p_OtherModemType IF_PRESENT		
FixedNtwUserRate	px_BcapFNUR IF_PRESENT		
extBit6e	*		
acceptChCoding	*		
maxNumTrafficCh	*		
extBit6f	*		
uIMI	*		

wAIUR	*		
extBit6g	*		
acceptChCodingExt	*		
asymInd	*		
spare2	*		
extBit7	*		no extension
layer2id	*		layer 2 Id
userInfoLayer2	*		
Detailed Comments			

Before:

cbr_BcapMO_AsyncT

Constraint Name	cbr_BcapMO_AsyncT (p_Itc : B3 ; p_RA: B2 ; p_Sacp : B3 ; p_Mo p_OtherModemType : B2)
Structured Type	Bcap
Derivation Path	
Encoding Variation	
Comments	Base Bearer capability with an Asynchronous mode and transparent containing octets 3, 4, 5 , 6, 6a, 6b, 6c, and 6d. The BCAP is a highly structured information element with 69 field make the constraint re-usable, so the key fields of the BCAP sha implies that more than 5 parameters are used for the BCAP constra

Element Name	Element Value	Element Encoding	Comments
iei	'00000100'B		
iel	?		
extBit3	'1'B		no extension
radioChRequi	?		spare bits for n-> ue
codingStd	'0'B		GSM
transferMode	'0'B		transfer mode octet 3
itc	p_Itc		
bcap3aEtc1	-		
bcap3aEtc2	-		
bcap3aEtc3	-		
bcap3aEtc4	-		
bcap3aEtc5	-		
bcap3aEtc6	-		
extBit4	'1'B		no extension
compress	?		
structure	'11'B		Unstructure
duplexMode	'1'B		Full duplex mode
cfg	'0'B		configuration: point-to-point
nirr	?		negotiation of intermediate ra
establish	'0'B		demand

extBit5	'1'B		no extension
accessId	'00'B		
rateAdapt	p_RA		
sacp	p_Sacp		I.440/I.450
extBit5a	-		
OherItc	-		
OtherRateAdapt	-		
spare3	-		
extBit5b	-		
rateAdaptHeader	-		
multiFrame	-		
mode	-		
logLinkId	-		
assignorAssignee	-		
inBandOutBand	-		
spare1	-		
extBit6	'0'B		extension
layer1Id	'01'B		Default
userInfoLayer1	'0000'B		
syncAsync	'1'B		Asynchronous
extBit6a	'0'B		extension bit, octet 6a
numStopBits	?		
nego	'0'B		Not possible
numDataBits	?		
userRate	('0001'B, '0010'B, '0011'B, '0100'B, '0101'B, '0110'B)		spare
extBit6b	'0'B		extension
intermRate	'00'B		spare
nicTx	'0'B		spare
nicRx	'0'B		spare
parity	?		
extBit6c	'0'B		extension
connectElem	'00'B		Transparent
modemType	p_ModemType		
extBit6d	*		no extension
OtherModemType	p_OtherModemType IF_PRESENT		
FixedNtwUserRate	px_BcapFNUR IF_PRESENT		
extBit6e	*		
acceptChCoding	*		
maxNumTrafficCh	*		
extBit6f	*		
uIMI	*		
wAIUR	*		
extBit6g	*		

acceptChCodingExt	*		
asymInd	*		
spare2	*		
extBit7	-		
layer2id	-		
userInfoLayer2	-		
Detailed Comments			

After:

cbr_BcapMO_AsyncT

Constraint Name	cbr_BcapMO_AsyncT (p_Itc : B3 ; p_RA: B2 ; p_Sacp : B3 ; p_Mo p_OtherModemType : B2)
Structured Type	Bcap
Derivation Path	
Encoding Variation	
Comments	Base Bearer capability with an Asynchronous mode and transparent containing octets 3, 4, 5 , 6, 6a, 6b, 6c, and 6d. The BCAP is a highly structured information element with 69 field make the constraint re-usable, so the key fields of the BCAP sha implies that more than 5 parameters are used for the BCAP constra

Element Name	Element Value	Element Encoding	Comments
iei	'00000100'B		
iel	?		
extBit3	'1'B		no extension
radioChRequi	?		spare bits for n-> ue
codingStd	'0'B		GSM
transferMode	'0'B		transfer mode octet 3
itc	p_Itc		
bcap3aEtc1	-		
bcap3aEtc2	-		
bcap3aEtc3	-		
bcap3aEtc4	-		
bcap3aEtc5	-		
bcap3aEtc6	-		
extBit4	'1'B		no extension
compress	?		
structure	'11'B		Unstructure
duplexMode	'1'B		Full duplex mode
cfg	'0'B		configuration: point-to-point
nirr	?		negotiation of intermediate ra
establish	'0'B		demand
extBit5	'1'B		no extension
accessId	'00'B		

rateAdapt	p_RA		
sacp	p_Sacp		I.440/I.450
extBit5a	-		
OherItc	-		
OtherRateAdapt	-		
spare3	-		
extBit5b	-		
rateAdaptHeader	-		
multiFrame	-		
mode	-		
logLinkId	-		
assignorAssignee	-		
inBandOutBand	-		
spare1	-		
extBit6	'0'B		extension
layer1Id	'01'B		Default
userInfoLayer1	'0000'B		
syncAsync	'1'B		Asynchronous
extBit6a	'0'B		extension bit, octet 6a
numStopBits	?		
nego	'0'B		Not possible
numDataBits	?		
userRate	('0001'B, '0010'B, '0011'B, '0100'B, '0101'B, '0110'B)		spare
extBit6b	'0'B		extension
intermRate	'??'B		spare
nicTx	'0'B		spare
nicRx	'0'B		spare
parity	?		
extBit6c	'0'B		extension
connectElem	'00'B		Transparent
modemType	p_ModemType		
extBit6d	*		no extension
OtherModemType	p_OtherModemType IF_PRESENT		
FixedNtwUserRate	px_BcapFNUR IF_PRESENT		
extBit6e	*		
acceptChCoding	*		
maxNumTrafficCh	*		
extBit6f	*		
uIMI	*		
wAIUR	*		
extBit6g	*		
acceptChCodingExt	*		
asymInd	*		

spare2	*		
extBit7	-		
layer2id	-		
userInfoLayer2	-		

Detailed Comments	

3GPP TSG-T1 E-Mail 2004
01 Jan - 31 Dec 2004

Tdoc ⌘T1S040366

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 403** ⌘**rev -** ⌘ Current version: **3.6.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Approved RRC Package 1 TC 8.3.4.3
Source:	⌘	Ericsson
Work item code:	⌘	TEI
Date:	⌘	06/07/2004
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. In the TC the default SIB11 is used with the TimeToTrigger for event 1a set to value 640ms. At step 4a in expected sequence the power is switched in SS, this switch could take longer time than 640ms, which could lead to that a UE sends a MR with event 1a for Cell 2 (as Cell2 enters Monitored set and has sufficient power) during this time. In order to prevent this, TimeToTrigger for event 1a should be set to value 5000ms. 2. The value of DPCH frame offset in Active Set Update message should be calculated from the IE Cell synchronisation information in the MR message. Therefore the configuration of the DPCH cannot be done before the MR is received. 3. At step 4b in specific message contents of prose of TC a note says: “Note 1: UE may optionally include Cell measured results IE for Cell 1 and 2”. This leads to that another possible combination of a MR must be added in TTCN. This MR could contain only Cell C and Cell A and NOT including Cell B.
Summary of change:	⌘	1. Local test step added in order to change TimeToTrigger for event 1a to value 5000ms. This change also requires a change to prose of TC. 2. Changed order of rows 22 and 23. 3. Another possible MR combination added.
Consequences if not approved:	⌘	TC will fail a conformant UE.

Clauses affected:	⌘	tc_8_3_4_3

		Y	N			
Other specs affected:	⌘		X	Other core specifications	⌘	
		X		Test specifications		TS 34.123-1
			X	O&M Specifications		

Other comments: ⌘ Affects R99, Rel4 and Rel5 UEs.

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Before:

tc_8_3_4_3

Test Case Name	tc_8_3_4_3
Group	RRC/RRC_ActSetUpdate/
Purpose	1. To confirm that the UE continues to communicate with the SS on th removes radio link which exists prior to the execution of active set
Configuration	
Default	RRC_Def1
Comments	
Selection Ref	FDD_Mode
Description	Active set update in soft handover: Combined radio link addition and

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comment
1		START t_Guard			
2		+lt_RRC_InitVariables			Initial T
3		+pr_GotoState6_9_Or6_10_MO (tsc_CellA)			Initial c PS or CS 7.4
4		+ts_SS_CreateCellDCH(tsc_CellB)			Create ce
		.....			
21		+ts_SS_IncrementCellPowerLevel (tsc_CellC ,20)			Step 1;
22		+ts_SHO_ConfigureAdditionalDL_DPCH (tsc_CellC)			To config (downlink
23		+lt_ReceiveMeasurementReportCellC_e1a			Step 2. M
24		+ts_TransmitActiveSetUpdateAdd_Remove(tsc_CellC, tcv_CellInfoB.priScrmCode)			Step 3 . including Informati "Radio Li cell A (c
		.....			
67	TBPS3	AM ? RLC_AM_DATA_IND CANCEL t_WaitMS	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqPeriodic2cell_e1b (1, tcv_CellInfoA.priScrmCode, OMIT, tcv_CellInfoB.priScrm	(P)	Cell A, E 040243 si

			Code, c_CellSynchronisationInformation, tcv_CellInfoC.priScrmCode))		
Detailed Comments					

After:

tc_8_3_4_3

Test Case Name	tc_8_3_4_3
Group	RRC/RRC_ActSetUpdate/
Purpose	1. To confirm that the UE continues to communicate with the SS on th link which exists prior to the execution of active set update proced
Configuration	
Default	RRC_Def1
Comments	
Selection Ref	FDD_Mode
Description	Active set update in soft handover: Combined radio link addition and

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comment
1		START t_Guard			
2		+lt_RRC_InitVariables			Initial
3		+lt_GotoState6_9_Or6_10_MO (tsc_CellA)			Local tr intra fr Initial according
4		+ts_SS_CreateCellDCH(tsc_CellB)			Create c
		.....			
21		+ts_SS_IncrementCellPowerLevel (tsc_CellC ,20)			Step 1;
22		+lt_ReceiveMeasurementReportCellC_e1a			Step 2.
23		+ts_SHO_ConfigureAdditionalDL_DPCH (tsc_CellC)			To confi (downlin
		.....			
48		AM ! RLC_AM_DATA_REQ	cas_UE_CapabilityInfoCnfAM (tsc_CellDedicated, tsc_RB2,		Step 11.

			cs_108_UE_CapabilityInfoCnfAM (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti))		
		lt_GotoState6_9_Or6_10_MO (p_CellId :INTEGER)			
49		[px_RAT=fdd]			FDD speci
50		+ts_SS_CreateCellDCH (p_CellId)			Configure
51		+ts_SendSysInfoWithSpecialSIB11 (p_CellId, cb_SIB11_TimeToTrigger (tcv_CellInfoA, tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoG, tcv_CellInfoH, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, ttt5000, ttt640, ttt640))			Sends the for speci Special S measureme additiona
52		+ts_IdleUpdated (p_CellId)			Idle Upda release f
53		+ts_AT_InitConnection (p_CellId)			
54		[tcv_CN_Domain = ps_domain]			
55		+ ts_RRC_ConnEstPS_MO_P5_P6 (p_CellId)			
56		+ ts_RRC_NAS_SessionActPS_MO_P9_P10 (p_CellId)			
57		+ ts_RRC_RAB_EstPS_MO_P13_P14 (p_CellId)			
58		[tcv_CN_Domain = cs_domain]			
59		+ ts_RRC_ConnEstCS_MO_P3_P4 (p_CellId)			
60		+ ts_RRC_NAS_CallSetupCS_MO_P7_P8 (p_CellId)			
61		+ ts_RRC_RAB_EstCS_MO_P11_P12 (p_CellId)			
		.....			
		lt_ReceiveMeasurementReportCellCAB_e1b			
74	TBPS1	AM ? RLC_AM_DATA_IND CANCEL t_WaitMS	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqPeriodic2cell_e1b (1, tcv_CellInfoC.priScrmCode, OMIT, tcv_CellInfoA.priS	(P)	Cell C,

			crmCode, OMIT, tcv_CellInfoA.priS crmCode))		
75	TBPS2	AM ? RLC_AM_DATA_IND CANCEL t_WaitMS	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqPeriodic3cell_e1b (1, tcv_CellInfoC.priS crmCode, OMIT, tcv_CellInfoA.priS crmCode,OMIT, tcv_CellInfoB.priS crmCode, c_CellSynchronisationInformation, tcv_CellInfoA.priS crmCode))	(P)	Cell C, sic@
		.....			
80	TBPS3	AM ? RLC_AM_DATA_IND CANCEL t_WaitMS	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqPeriodic2cell_e1b (1, tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoB.priS crmCode, c_CellSynchronisationInformation, tcv_CellInfoC.priS crmCode))	(P)	Cell A, E
Detailed Comments					

New constraint:

cb_SIB11_TimeToTrigger

Constraint Name	cb_SIB11_TimeToTrigger (p_ActiveCellInfo, p_IntraCellInfo2, p_In p_IntraCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCell p_ttt_e1b, p_ttt_e1c : TimeToTrigger)
ASN1 Type	SysInfoType11
Derivation Path	
Encoding Variation	
Comments	Used to change the time to trigger for intrra frequence measureme
Constraint Value	

```
{
  sib12indicator TRUE,
```

```
measurementControlSysInfo {
  use_of_HCS hcs_not_used : {
    cellSelectQualityMeasure cpich_RSCP : {
      intraFreqMeasurementSysInfo {
        intraFreqMeasurementID OMIT, -- default value
        intraFreqCellInfoSI_List {
          removedIntraFreqCellList OMIT, -- removedIntraFreqCellList in SIB11 is
          newIntraFreqCellList {{
              intraFreqCellID p_ActiveCellInfo.cellId,
              cellInfo {
                cellIndividualOffset OMIT, -- default value
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd : {
                  primaryCPICH_Info { primaryScramblingCode p_ActiveCellInfo.pri
                  readSFN_Indicator FALSE,
                  tx_DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo OMIT
              }
            },
            {
              intraFreqCellID p_IntraCellInfo2.cellId,
              cellInfo {
                cellIndividualOffset OMIT, -- default value
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd : {
                  primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo2.pri
                  readSFN_Indicator TRUE,
                  tx_DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo OMIT -- value same as the serving c
              }
            },
            {
              intraFreqCellID p_IntraCellInfo3.cellId,
              cellInfo {
                cellIndividualOffset OMIT, -- default value
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd : {
                  primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo3.pri
                  readSFN_Indicator TRUE,
                  tx_DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo OMIT -- value same as the serving c
              }
            },
            {
              intraFreqCellID p_IntraCellInfo4.cellId,
              cellInfo {
                cellIndividualOffset OMIT, -- default value
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd : {
                  primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo4.pri
                  readSFN_Indicator TRUE,
                  tx_DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo OMIT -- value same as the serving c
              }
            },
            {
              intraFreqCellID p_IntraCellInfo5.cellId,
```

```
              cellInfo {
                cellIndividualOffset OMIT, -- default value
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd : {
                  primaryCPICH_Info { primaryScramblingCode p_IntraCellInfo5.pri
                  readSFN_Indicator TRUE,
                  tx_DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo OMIT -- value same as the serving c
              }
          }}
        },
        intraFreqMeasQuantity {
          filterCoefficient OMIT, -- default value
          modeSpecificInfo fdd : {
            intraFreqMeasQuantity_FDD cpich_RSCP
          }
        },
        reportingInfoForCellDCH {
          intraFreqReportingQuantity {
            activeSetReportingQuantities {
              dummy noReport,
              cellIdentity_reportingIndicator TRUE,
              cellSynchronisationInfoReportingIndicator FALSE,
              modeSpecificInfo fdd : {
                cpich_Ec_N0_reportingIndicator FALSE,
                cpich_RSCP_reportingIndicator TRUE,
                pathloss_reportingIndicator FALSE }
            },
            monitoredSetReportingQuantities {
              dummy noReport,
              cellIdentity_reportingIndicator TRUE,
              cellSynchronisationInfoReportingIndicator TRUE,
              modeSpecificInfo fdd : {
                cpich_Ec_N0_reportingIndicator FALSE,
                cpich_RSCP_reportingIndicator TRUE,
                pathloss_reportingIndicator FALSE }
            }
          },
          measurementReportingMode {
            measurementReportTransferMode acknowledgedModeRLC,
            periodicalOrEventTrigger eventTrigger
          },
          reportCriteria intraFreqReportingCriteria : {
            eventCriteriaList {{
                event e1a : {
                  triggeringCondition monitoredSetCellsOnly,
                  reportingRange 5,
                  w 1,
                  reportDeactivationThreshold t2,
                  reportingAmount ra4,
                  reportingInterval ri4
                },
                hysteresis 0,
                timeToTrigger p_ttt_e1a,
                reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
              },
              {
                event e1b : {
                  triggeringCondition activeSetCellsOnly,
                  reportingRange 5,
```

```
                  forbiddenAffectCellList OMIT,
                  w 1},
                hysteresis 0,
                timeToTrigger p_ttt_e1b,
                reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
              },
              {
                event e1c : {
                  replacementActivationThreshold t3,
                  reportingAmount ra4,
                  reportingInterval ri4
                },
                hysteresis 0,
                timeToTrigger p_ttt_e1c,
                reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
              }
          } }

        }
      },
      interFreqMeasurementSysInfo
      {
        interFreqCellInfoSI_List {
          removedInterFreqCellList OMIT, -- removedInterFreqCellList in SIB11 is
          newInterFreqCellList { {
              interFreqCellID p_InterCellInfo6.cellId,
              frequencyInfo p_InterCellInfo6.frequencyInfo,
              cellInfo {
                cellIndividualOffset OMIT, -- default value
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd : {
                  primaryCPICH_Info { primaryScramblingCode p_InterCellInfo6.pri
                  readSFN_Indicator FALSE,
                  tx_DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo OMIT -- value same as the serving c
              }
            },
            {
              interFreqCellID p_InterCellInfo7.cellId,
              frequencyInfo OMIT,
              cellInfo {
                cellIndividualOffset OMIT, -- default value
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd : {
                  primaryCPICH_Info { primaryScramblingCode p_InterCellInfo7.pri
                  readSFN_Indicator FALSE,
                  tx_DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo OMIT -- value same as the serving c
              }
            },
            {
              interFreqCellID p_InterCellInfo8.cellId,
              frequencyInfo OMIT,
              cellInfo {
                cellIndividualOffset OMIT, -- default value
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd : {
                  primaryCPICH_Info { primaryScramblingCode p_InterCellInfo8.pri
                  readSFN_Indicator FALSE,
```

```
                    tx_DiversityIndicator FALSE
                  },
                  cellSelectionReselectionInfo OMIT -- value same as the serving c
                }
              }
        } }}
  }}},
  nonCriticalExtensions OMIT --@sic T1s-040086 sic@
}
```

Detailed Comments

3GPP TSG-T1 Meeting #24
Toronto, Canada, 26th – 30th July 2004

Tdoc ⌘T1s040367

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **404** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Regression error corrections to wk17, wk20 and wk23.
Source:	⌘	MCC task160
Work item code:	⌘	N/A
Date:	⌘	07/07/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	There were the TTCN regression tests to iWD-TVB2003-03_D04wk17, wk20, wk 23 /26. A number of error reports were received. The error corrections were done in order to get the concerned TCs working. This CR includes the error lists for the necessary documentation.
Summary of change:	⌘	Three Excell sheets ErrorList_wk17.xls, ErrorList_wk20.xls and ErrorList_wk23 are included. The three lists can also be found in the TTCN deliveries iWD-TVB2003-03_D04wk20, wk23 and wk26.
Consequences if not approved:	⌘	The approved test cases would fail with conformant UEs.

Clauses affected:	⌘	

		Y	N		
Other specs affected:	⌘		X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	

Other comments:	⌘	

3GPP TSG-T1~~/SIC~~ E-Mail 2004
01 Jan - 31 Dec 2004

T1S ⌘040374~~03xxxx~~

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	~~03xxxx~~ 405	⌘ rev	1 ~~1~~	⌘	Current version:	3.6.0	⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	TTCN Correction to GCF P2 IR_U 8.3.7.1 & 8.3.7.4
Source:	⌘	Anritsu Ltd
Work item code:	⌘	N/A
Date:	⌘	09/07/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	Missing tcv assignment in test step, ts_G_ChannelRelease
Summary of change:	⌘	- ts_G_ChannelRelease modified For more details see below.
Consequences if not approved:	⌘	Test case will fail

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	**Y**	**N**		
			X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

ANRITSU LIMITED

Title:	**Changes to test case** tc_8_3_7_1 & tc_8_3_7_4 **required for approval**
Source:	Anritsu Ltd.
Agenda Item:	TTCN Issues
Document for:	Approval
Contact:	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1 Overview 4

2 New Tables Added 5

3 Tables Modifed 5

3.2 ts_G_ChannelRelease 5

1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ introduce test case 8.3.7.1 & 8.3.7.4 to ATS 3.6.0. With these changes applied the test case can be demonstrated to run on at least one independent UE implementations. Only essential fixes to the TTCN are applied. This test case has been tested according to the configuration stated below:-

Reference document	TS 34.123-1 version 5.8.0 TS34.108 version 5.1.0
Referenced CRs	None
Based ATS suite	iWD-TVB2003-03_D04wk26
Integrity	Enabled
Ciphering	Disabled
Path tested	CS

2 New Tables Added

None

3 Tables Modifed

3.2 ts_G_ChannelRelease

Reason for change
a) Missing tcv_RR_SAPI & tcv_RR_SAPI2 (Line 7 & 10)

Summary of Change
a) Assign tcv_RR_SAPI & tcv_RR_SAPI2 accordingly (Line 6 & 9)

Test Step

Test Step Id:	ts_G_ChannelRelease (p_CellId : INTEGER; p_PhyId :PhysicalChId)
Test Step Group Ref:	IdleUpdate/
Objective:	
Defaults:	IntersystemDef
Comments:	@sic ER1825 sic@ send Channel Release ti UE on appropriate channel

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+lt_SendChRelease			
2		START t_ReceiveMessageTimer (5)			
3		G_L2 ? G_CL2_Release_IND CANCEL t_ReceiveMessageTimer	cr_G_CL2_Release_IND (p_CellId)	(P)	Release Data Link
4		?TIMEOUT t_ReceiveMessageTimer			CL2_Release_IND is optional
lt_SendChRelease					
5		[p_PhyId = tsc_PhyCh0]			
6		(tcv_RR_SAPI := tsc_SAPI_0)			
7		–G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_CellId, tcv_RR_SAPI , p_PhyId, tcv_RR_ChannelType, tcv_RR_Subchannel, c_G_RFN_Omit , c_G_ChReleaseNormal)		Send Channel Release
8		[TRUE]			
9		(tcv_RR_SAPI2 := tsc_SAPI_0)			
10		–G_L2 ! G_L2_DATA_REQ	cas_G_L2_DATA_REQ (p_CellId, tcv_RR_SAPI2 , p_PhyId, tcv_RR_ChannelType2, tcv_RR_Subchannel2, c_G_RFN_Omit , c_G_ChReleaseNormal)		Send Channel Release

Detailed Comment:	

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** 406 ⌘ **rev** - ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title: ⌘ Correction to Package 2 NAS ~~CC~~MM test cases 9.4.8; for removal of '*USIM removal possible while UE is powered*' support.

Source: ⌘ Anite

Work item code: ⌘ N/A ***Date:*** ⌘ 9/07/2004

Category: ⌘ **F** ***Release:*** ⌘ R99

Use one of the following categories:
- ***F*** *(correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(addition of feature),*
- ***C*** *(functional modification of feature)*
- ***D*** *(editorial modification)*

Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘ TS 34.123-1 section 9.4.8.4 specifies

Related ICS/IXIT statement(s)

Switch off on button Yes/No.

TS 34.123-3 NAS ATS , TTCN implementation includes support for USIM removal without power off and is incorrect.

Summary of change: ⌘ TS 34.123-3 tc_9_4_8 TTCN makes test cases applicable to UE with USIM always inserted. i.e. To support only *Switch off on button Yes/No*.

Consequences if not approved: ⌘ Test case TTCN implementation not according to test specification.

Clauses affected: ⌘ TS 34.123-3 NAS ATS tc_9_4_8.

Other specs affected: ⌘

Y	N	
	X	Other core specifications
	X	Test specifications
	X	O&M Specifications

⌘

Other comments: ⌘

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

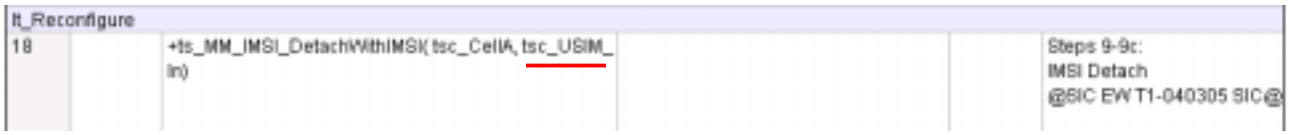
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1 :

Test step name	**tc_9_4_8**, local tree **It_Reconfigure**
Reason for change	ts_MM_IMSI_DetachWithIMSI and ts_MM_PwrOrUSIM_On supports USIM removal case also. But specification mentions only switch/power off cases.
Summary of change	1. At step#18, +ts_MM_IMSI_DetachWithIMSI(tsc_CellA, tsc_USIM_NeedRmv) changed to +ts_MM_IMSI_DetachWithIMSI(tsc_CellA, tsc_USIM_In) 2. At step#23. +ts_MM_PwrOrUSIM_On(tsc_USIM_NeedRmv) changed to ts_MM_PwrOrUSIM_On(tsc_USIM_In)
Source of change	

Before change :

After change:



<< End of document>>

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **407** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to RRC TC 8.3.2.4 on value of the wait timer started for the UE to enter Idle mode.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	09/07/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. TS 34.123-1 defines that at step 2b of test case 8.3.2.4, SS should wait a time of (T305 + T307) + 10% for the UE to enter Idle mode. However, the TTCN uses a value of 33 seconds as the wait time for T307 wait but the value of T307 given in the UTRAN MOBILITY INFORMATION message is 50 sec.
Summary of change:	⌘	1. Modified line #28 of tc_8_3_2_4, to increase the value of t_UpperBound to 55000 (T307 + 10%).
Consequences if not approved:	⌘	Test case may PASS in a non-complaint UE.

Clauses affected:	⌘				
Other specs affected:	⌘	**Y**	**N**		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Localtree	lt_TestBody of tc_8_3_2_4
Reason for change	1. TS 34.123-1 defines that at step 2b of test case 8.3.2.4, SS should wait a time of (T305 + T307) + 10% for the UE to enter Idle mode. However the TTCN uses a value of 33 seconds as the wait time for T307 wait but the value of T307 given in the UTRAN MOBILITY INFORMATION message is 50 sec.
Summary of change	1. Modified line #28 of tc_8_3_2_4, to increase the value of t_UpperBound to 55000 (T307 + 10%).
Source of change	New change

Before:

It_TestBody					
12		AM ! RLC_AM_DATA_REQ	cas_RRC_UtranMobilityInfo(tsc_CellDedicated, tsc_RB2, cds_UTRAN_MobilityInfoTimer (tcv_RRC_Ti, tcv_CellIndInfo.dl_IntegrityCheckInfo, OMIT, OMIT))		Step 0a . SS sends UTRAN MOBILITY INFORMATION message to allocate T305 to 5Mins
13		START t_WaitS			
14	TBF1	? TIMEOUT t_WaitS		(F)	
15	TBP1	AM ? RLC_AM_DATA_IND CANCEL t_WaitS	car_RRC_UtranMobilityInfoCnf(tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))	(P)	Step 0b . UE sends UTRAN MOBILITY INFORMATION CONFIRM message
16		+ts_TransitToURA_PCH_P17_P18 (tsc_CellA)			Step 0c. Bring UE to URA_PCH status
17		+ts_SS_ReconfDCH_ToFACH(tsc_CellA)			Physical Channel reconfiguration in SS to Cell_FACH @sic Jitendra CR# T1-301825 sic@
18		+it_SetQndevmin_AndSend			Step 1a-1b : To set Min q-ndev in SIB3 and SIB4
19		(tcv_TmpAtt := tcv_CellInfoA.attenuationLevel)			Remember current attenuator settings
20		START t_UpperBound (330000)			@sic Jitendra CR# T1-301825 sic@
21	TBF1a	? TIMEOUT t_UpperBound		(F)	
22	TBP1a	TM ? RLC_TR_DATA_IND CANCEL t_UpperBound	car_URA_Update(tsc_CellA, tsc_RB0, cr_108_URA_Update(tcv_CellInfoA.uRNTI, periodicURAUpdate, noError:NULL))	(P)	Step 1c . UE sends URA UPDATE with "URA update cause" set to "Periodic URA update".
23		UM ! RLC_UM_DATA_REQ	cas_URA_UpdateCnf (tsc_CellA, tsc_RB0, cs_108_URA_UpdateCnfCCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.uRNTI, OMIT, OMIT, ura_PCH, OMIT))		Step 1d @sic Jitendra T1-040302 sic@
24		+ts_SetAttenuationLevel (tsc_CellA, 20)			Step 2. SS configures its downlink transmission power settings acc to T1 in Table 8.3.2.4 (-60 -20 = -80)
25		START t_UpperBound (330000)			Step 3. Just wait T305 (5 Min + 10% tolerances)
26	TBF2	TM ? RLC_TR_DATA_IND CANCEL t_UpperBound	car_URA_Update(tsc_CellA, tsc_RB0, cr_108_URA_Update (tcv_CellInfoA.uRNTI, *, noError:NULL))	(F)	UE should not Initiate Ura update
27	TBP2	?TIMEOUT t_UpperBound		(P)	
28		START t_UpperBound (tsc_T307_Max)			
29	TBF3	TM ? RLC_TR_DATA_IND CANCEL t_UpperBound	car_URA_Update(tsc_CellA, tsc_RB0, cr_108_URA_Update (tcv_CellInfoA.uRNTI, *, noError:NULL))	(F)	UE should not Initiate Ura update
30	TBP3	?TIMEOUT t_UpperBound		(P)	UE should move to idle state after expiry of T307
31		(tcv_CellInfoA.cellConfig := cell_FACH_NoConn)			

After:

It_TestBody					
12		AM ! RLC_AM_DATA_REQ	cas_RRC_UtranMobilityInfo(tsc_CellDedicated, tsc_RB2, cds_UTRAN_MobilityInfoTimer (tcv_RRC_Ti, tcv_CellIndInfo.dl_IntegrityCheckInfo, OMIT, OMIT))		Step 0a . SS sends UTRAN MOBILITY INFORMATION message to allocate T305 to 5Mins
13		START t_WaitS			
14	TBF1	? TIMEOUT t_WaitS		(F)	
15	TBP1	AM ? RLC_AM_DATA_IND CANCEL t_WaitS	car_RRC_UtranMobilityInfoCnf(tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))	(P)	Step 0b . UE sends UTRAN MOBILITY INFORMATION CONFIRM message
16		+ts_TransitToURA_PCH_P17_P18 (tsc_CellA)			Step 0c. Bring UE to URA_PCH status
17		+ts_SS_ReconfDCH_ToFACH(tsc_CellA)			Physical Channel reconfiguration in SS to Cell_FACH @sic Jitendra CR# T1-301825 sic@
18		+it_SetQndevmin_AndSend			Step 1a-1b : To set Min q-ndev in SIB3 and SIB4
19		(tcv_TmpAtt := tcv_CellInfoA.attenuationLevel)			Remember current attenuator settings
20		START t_UpperBound (330000)			@sic Jitendra CR# T1-301825 sic@
21	TBF1a	? TIMEOUT t_UpperBound		(F)	
22	TBP1a	TM ? RLC_TR_DATA_IND CANCEL t_UpperBound	car_URA_Update(tsc_CellA, tsc_RB0, cr_108_URA_Update(tcv_CellInfoA.uRNTI, periodicURAUpdate, noError:NULL))	(P)	Step 1c . UE sends URA UPDATE with "URA update cause" set to "Periodic URA update".
23		UM ! RLC_UM_DATA_REQ	cas_URA_UpdateCnf (tsc_CellA, tsc_RB0, cs_108_URA_UpdateCnfCCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.uRNTI, OMIT, OMIT, ura_PCH, OMIT))		Step 1d @sic Jitendra T1-040302 sic@
24		+ts_SetAttenuationLevel (tsc_CellA, 20)			Step 2. SS configures its downlink transmission power settings acc to T1 in Table 8.3.2.4 (-60 -20 = -80)
25		START t_UpperBound (330000)			Step 3. Just wait T305 (5 Min + 10% tolerances)
26	TBF2	TM ? RLC_TR_DATA_IND CANCEL t_UpperBound	car_URA_Update(tsc_CellA, tsc_RB0, cr_108_URA_Update (tcv_CellInfoA.uRNTI, *, noError:NULL))	(F)	UE should not Initiate Ura update
27	TBP2	?TIMEOUT t_UpperBound		(P)	
28		START t_UpperBound (55000)			Just wait T307 (50 Sec + 10% tolerances)
29	TBF3	TM ? RLC_TR_DATA_IND CANCEL t_UpperBound	car_URA_Update(tsc_CellA, tsc_RB0, cr_108_URA_Update (tcv_CellInfoA.uRNTI, *, noError:NULL))	(F)	UE should not Initiate Ura update
30	TBP3	?TIMEOUT t_UpperBound		(P)	UE should move to idle state after expiry of T307
31		(tcv_CellInfoA.cellConfig := cell_FACH_NoConn)			

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 408** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to RRC Package 2 TC 8.2.1.9 to handle cell update before configuring radio bearer from DCH to FACH.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	09/07/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. After sending Radio Bearer Setup message with no C-RNTI, the SS tries to configure state from DCH to FACH and then waits for a Cell Update from the UE. Meanwhile the UE goes to FACH state and sends a Cell Update, which has to be handled by SS immediately. The SS should wait to receive Cell Update first and then configure the local end from DCH to FACH.
Summary of change:	⌘	1. A new test step **ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll_8219** is defined to receive Cell Update after sending Radio Bearer Setup message with no C-RNTI. 2. Line #1 of lt_LocalTest is modified to invoke test step **ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll_8219.** 3. Line #2 of lt_LocalTest is removed.
Consequences if not approved:	⌘	Test case may fail a complaint UE.

Clauses affected:	⌘	N.A.

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1:

Local Tree and Test step	Test step ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll_8219
Reason for change	1. A new test step **ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll_8219** is defined to receive Cell Update after sending Radio Bearer Setup message with no C-RNTI.
Summary of change	New test step

TTCN change:

Test Step					
Test Step Id:	ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll_8129 (p_CellId : INTEGER ; p_SetUp : DL_DCCH_Message ; p_TimerPoll : TimerPoll)				
Test Step Group Ref:	RRC_General/				
Objective:	To setup a Radio Bearer from cell_DCH to FACH for PS 64k.				
Defaults:	RRC_Def1				
Comments:	@sic OG 07/01/04 T1-031842 sic@				
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, p_SetUp)		
2		+ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI , cellReselection), 15000)			
3		+ts_SS_2_FACH_1_RACH_Modify (p_CellId , c_TrLogMappingRACH_DTCH, c_TrLogMappingPCH_FACH_PS)			
4		+ts_SS_RB20_AM_PS_CfgTimerPoll (320, p_TimerPoll)			

Change 2:

Local Tree and Test step	Local tree **lt_LocalTest** of tc_8_2_1_9
Reason for change	After sending Radio Bearer Setup message with no C-RNTI, SS tries to configure state from DCH to FACH and then waits for a Cell Update from UE. Meanwhile UE goes to FACH state and sends a Cell Update, which has to be handled by SS immediately. The SS should wait for Cell Update first and then configure the state from DCH to FACH.
Summary of change	1. Line #1 of lt_LocalTest is modified to invoke test step **ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll_8219.** 2. Line #2 of lt_LocalTest is removed.
Source of change	New change

TTCN before change:

lt_LocalTest					
10	TBS	(tcv_TestBody:=TRUE)			
11		+ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll (tsc_CellA, cbs_108_RB_SetUpDCH_ToFACH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_RAB_Id, tcv_CellInfoA.priScrmCode, OMIT), tcv_TimerPoll)			Step 3 @sic OG 07/01/04 T1-031842 sic@
12		+ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI , cellReselection), 15000)			Step 4
13		(tcv_CellInfoA.cellConfig := cell_FACH_PS)			
14		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, tsc_New_CRNTI)			
15		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tsc_New_CRNTI, cell_FACH, OMIT, OMIT, OMIT))		Step 5

TTCN after change:

lt_LocalTest					
10	TBS	(tcv_TestBody:=TRUE)			
11		+ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll_8129 (tsc_CellA, cbs_108_RB_SetUpDCH_ToFACH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_RAB_Id, tcv_CellInfoA.priScrmCode, OMIT), tcv_TimerPoll)			Step 3 & 4 @sic OG 07/01/04 T1-031842 sic@
12		(tcv_CellInfoA.cellConfig := cell_FACH_PS)			
13		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, tsc_New_CRNTI)			
14		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, tsc_New_CRNTI, cell_FACH, OMIT, OMIT, OMIT))		Step 5

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **409** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to RRC TC 8.2.6.19 and 8.2.6.20 to add delay before switching to CELL_PCH/URA_PCH
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	09/07/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	When the UE switches to CELL_PCH/URA_PCH, all the UE RLC entities are suspended and hence no status PDUs are sent causing the SS side AM RLC entities to be RESET. Therefore a delay is added prior to sending the PhysicalChannelConfigurationRequest to allow any outstanding acknowledgements to be received.
Summary of change:	⌘	A delay of 500 ms is added before sending the PhysicalChannelConfigurationRequest.
Consequences if not approved:	⌘	Test case 8_2_6_19 and 8_2_6_20 will fail sometimes.

Clauses affected:	⌘				
Other specs affected:	⌘	**Y**	**N**		
			X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

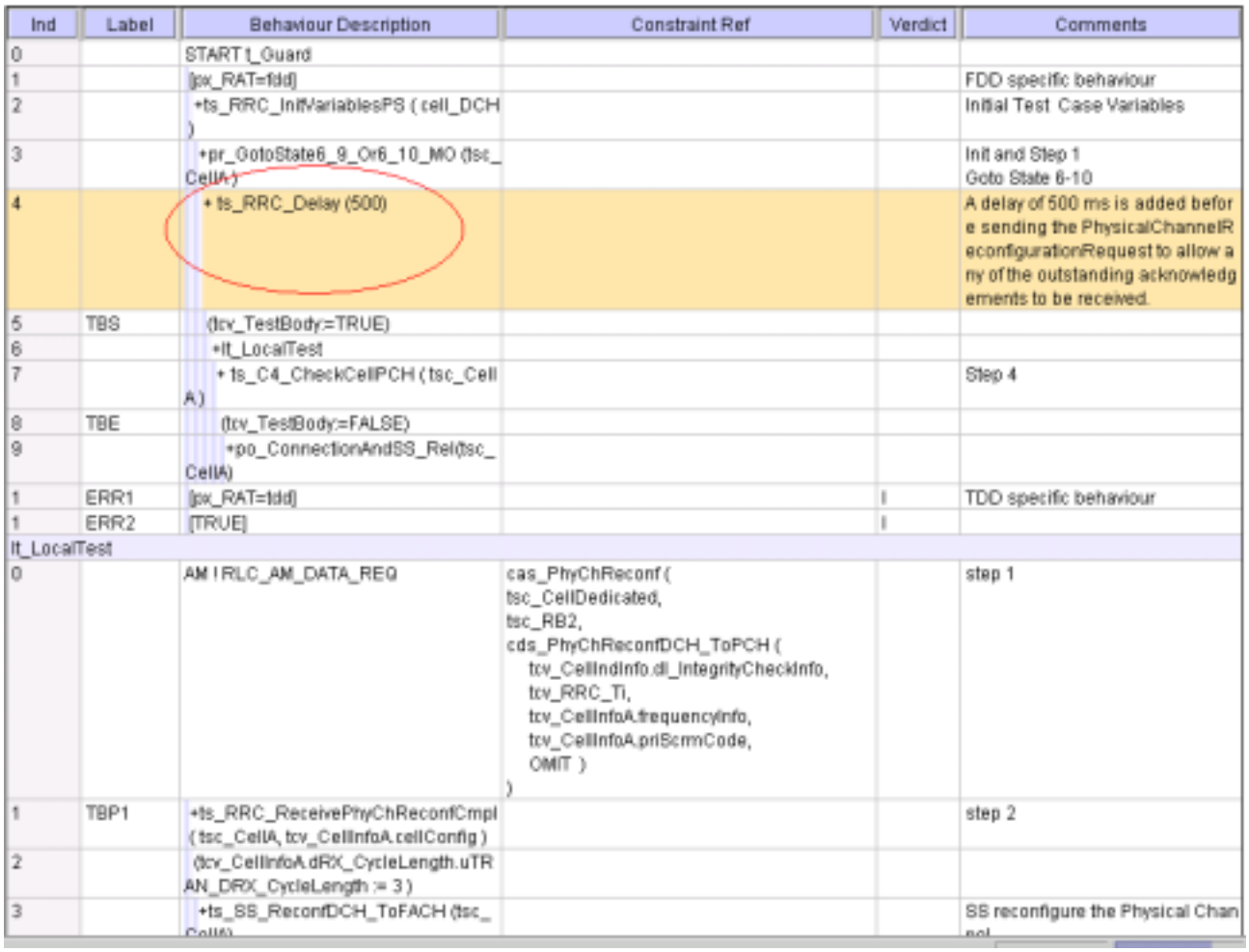
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Local Tree and Test step	Lt_LocalTest of tc_8_2_6_19
Reason for change	1. When the UE swiches to CELL_PCH, all the RLC entities any status PDUs causing the SS side AM RLC entities to be RESET.
Summary of change	1. A delay of 500 ms is added before sending the PhysicalChannelReconfigurationRequest.
Source of change	New Change

Before Change:

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+ts_RRC_InitVariablesPS (cell_DCH)			Initial Test Case Variables
4		+pr_GotoState6_9_Or6_10_MO (tsc_CellA)			Init and Step 1 Goto State 6-10
5	TBS	(tcv_TestBody:=TRUE)			
6		+lt_LocalTest			
7		+ ts_C4_CheckCellPCH (tsc_CellA)			Step 4
8	TBE	(tcv_TestBody:=FALSE)			
9		+po_ConnectionAndSS_Rel(tsc_CellA)			
10	ERR1	[px_RAT=fdd]		I	TDD specific behaviour
11	ERR2	[TRUE]		I	
lt_LocalTest					
12		AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfDCH_ToPCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, OMIT))		step 1
13	TBP1	+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA, tcv_CellInfoA.cellConfig)			step 2
14		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3)			
15		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)			SS reconfigure the Physical Channel

After Change:



Ind	Label	Behaviour Description	Constraint Ref	Verdict	Comments
0		START t_Guard			
1		[px_RAT=fdd]			FDD specific behaviour
2		+ts_RRC_InitVariablesPS (cell_DCH)			Initial Test Case Variables
3		+pr_GotoState6_9_Or6_10_MO (tsc_CellA)			Init and Step 1 Goto State 6-10
4		+ ts_RRC_Delay (500)			A delay of 500 ms is added before sending the PhysicalChannelReconfigurationRequest to allow any of the outstanding acknowledgements to be received.
5	TBS	(tcv_TestBody:=TRUE)			
6		+lt_LocalTest			
7		+ ts_C4_CheckCellPCH (tsc_CellA)			Step 4
8	TBE	(tcv_TestBody:=FALSE)			
9		+po_ConnectionAndSS_Rel(tsc_CellA)			
1	ERR1	[px_RAT=fdd]		I	TDD specific behaviour
1	ERR2	[TRUE]		I	
lt_LocalTest					
0		AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfDCH_ToPCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, OMIT))		step 1
1	TBP1	+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA, tcv_CellInfoA.cellConfig)			step 2
2		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3)			
3		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)			SS reconfigure the Physical Chan nel

Local Tree and Test step	lt_LocalTest of tc_8_2_6_20
Reason for change	1. When the UE switches to URA_PCH, all the RLC entities are suspeneded and hence no status PDUs are sent causing the SS side AM RLC entities to be RESET.
Summary of change	1. A delay of 500 ms is added before sending the PhysicalChannelReconfigurationRequest.
Source of change	New Change

Before Change:

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard			
2		[cv_RAT=fdd]			FDD specific behaviour
3		+ts_RRC_InitVariablesPS (cell_DCH)			Initial Test Case Variables
4		+pr_GotoState6_9_Or6_10_MO (tsc_CellA)			Init and Step 1 Go to State 6-10
5	TBS	(tcv_TestBody:=TRUE)			
6		+lt_LocalTest			
7		+ts_C5_CheckURA_PCH (tsc_CellA)			Step 4
8	TBE	(tcv_TestBody:=FALSE)			
9		+po_ConnectionAndSS_Rel (tsc_CellA)			
10	ERR1	[cv_RAT=tdd]		I	TDD specific behaviour
11	ERR2	[TRUE]		I	
lt_LocalTest					
12		AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfDCH_ToURA_PCH_URA_Id_1 (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, OMIT))		step 1 @sic OO 16/12/03 T1-031787 sic@
13	TBP1	+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA, tcv_CellInfoA.cellConfig)			step 2
14		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength >= 3)			
15		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)			SS reconfigure the Physical Channel

After Change:

Ind	Label	Behaviour Description	Constraint Ref	Verdict	Comments
0		START t_Guard			
1		[px_RAT=fdd]			FDD specific behaviour
2		+ts_RRC_InitVariablesPS (cell_DCH)			Initial Test Case Variables
3		+pr_GotoState6_9_Or6_10_MO (tsc_CellA)			Init and Step 1 Go to State 6-10
4		+ ts_RRC_Delay (500)			A delay of 500 ms is added before sen ding the PhysicalChannelReconfigura tionRequest to allow any of the outstan ding acknowledgements to be receive d.
5	TBS	(tcv_TestBody:=TRUE)			
6		+lt_LocalTest			
7		+ts_C5_CheckURA_PCH (tsc_Ce llA)			Step 4
8	TBE	(tcv_TestBody:=FALSE)			
9		+po_ConnectionAndSS_Rel (tsc_CellA)			
1	ERR1	[px_RAT=fdd]		I	TDD specific behaviour
1	ERR2	[TRUE]		I	
lt_LocalTest					
0		AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfDCH_ToURA_PCH_URA _Id_1 (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, OMIT))		step 1 @sic OG 16/12/03 T1-031787 sic@
1	TBP1	+ts_RRC_ReceivePhyChReconfCmp l (tsc_CellA, tcv_CellInfoA.cellConfig)			step 2
2		(tcv_CellInfoA.dRX_CycleLength.uTR AN_DRX_CycleLength := 3)			

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **410** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Package 3 RAB test case 14.2.27, 14.2.29, 14.2.31.1and 14.2.32.1 for the dl_TxPower in DL DPCH Info during Radio Bearer Setup at the SS.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	5/07/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘ In the current TTCN implementation the Power level used for the DL DPCH at the SS during Radio Bearer Setup is not sufficient enough for Data Transmission in DL.

As per 3G PP TS 25.101 Table: 8.6 and C.3:

For a data rate of 144KBPS the DL DPCH and CPICH should be of same power level, whereas for a data of 384KBPS the DL DPCH should be configured 5 dB above the CPICH.

Summary of change: ⌘

1. Change for Test Case 14.2.27:

   In the constraint c_DL_DPCH_128K changed the value of dl_TxPower from tsc_DL_TxPower_DPCH to 0

2. Change for Test Case 14.2.29:

   Created a new constraint c_DL_DPCH_144K in which dl_TxPower is set to 0. The same is used in test step ts_SS_2DCH_ModifyInteractBackg_64k_144kPS at row 2.

3. Change for Test Case 14.2.31.1:

   Created a new constraint c_DL_DPCH_256K in which dl_TxPower is set to 5. The same is used in test step ts_SS_2DCH_ModifyInteractBackg_64k_256kPS_10 at row 2.

4. Change for Test Case 14.2.32.1:

   Created a new constraint c_DL_DPCH_384K in which dl_TxPower is set to 5.

		The same is used in test step ts_SS_2DCH_ModifyInteractBackg_64k_384kPS_10 at row 2.
Consequences if not approved:	⌘	Test case may fail conformant UE.

Clauses affected:	⌘	None			
Other specs affected:	⌘	**Y**	**N**		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1.

ASN1 constraint name	c_DL_DPCH_128K
Reason for change	In the current TTCN implementation the Power level used for the DL DPCH at the SS during Radio Bearer Setup is not sufficient enough for Data Transmission in DL. As per 3G PP TS 25.101 Table: 8.6 and C.3: For a data rate of 144KBPS the DL DPCH and CPICH should be of same power level
Summary of change	Changed the value of dl_TxPower from tsc_DL_TxPower_DPCH to 0.
Source of change	New change

Before change:

ASN.1 Type Constraint Declaration

Constraint Name:	c_DL_DPCH_128K (p_DL_CommonInformation : DL_CommonInformation)
Group:	
Type Name:	DL_DPCHInfo
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value

```
{
 dl_CommonInformation p_DL_CommonInformation,
 dl_DPCH_InfoPerRL fdd : {
  pCPICH_UsageForChannelEst mayBeUsed,
  dpch_FrameOffset 0,
  dl_ChannelisationCodeList { {secondaryScramblingCode tsc_DL_DPCH1_2ndScrC,
    sf_AndCodeNumber tsc_Sfc16
  } },
  tpc_CombinationIndex 0
 },
 powerOffsetOfTFCI_PO1 tsc_DPCH_PowerOffsetTFCI,
 powerOffsetOfTPC_PO2 tsc_DPCH_PowerOffsetTPC,
 powerOffsetOfPILOT_PO3 tsc_DPCH_PowerOffsetPILOT,
 dl_TxPower tsc_DL_TxPower_DPCH,
 dl_TxPowerMax 15,
 dl_TxPowerMin -35
}
```

After change:

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_DPCH_128K (p_DL_CommonInformation : DL_CommonInformation)
Group:	
Type Name:	DL_DPCHInfo
Derivation Path:	
Encoding Variation:	
Comments:	

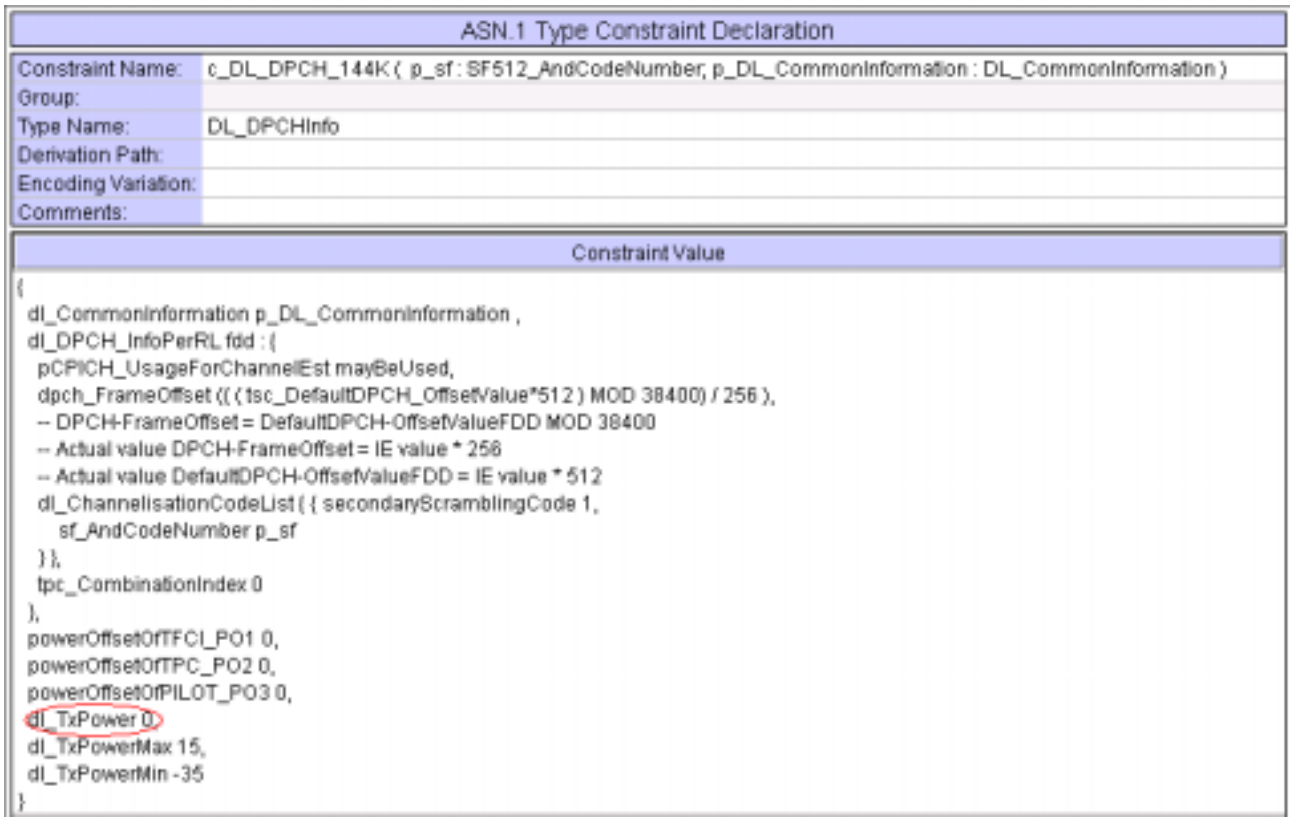
Constraint Value

```
{
 dl_CommonInformation p_DL_CommonInformation,
 dl_DPCH_InfoPerRL fdd : {
  pCPICH_UsageForChannelEst mayBeUsed,
  dpch_FrameOffset 0,
  dl_ChannelisationCodeList { {secondaryScramblingCode tsc_DL_DPCH1_2ndScrC,
    sf_AndCodeNumber tsc_Sfc16
  } },
  tpc_CombinationIndex 0
 },
 powerOffsetOfTFCI_PO1 tsc_DPCH_PowerOffsetTFCI,
 powerOffsetOfTPC_PO2 tsc_DPCH_PowerOffsetTPC,
 powerOffsetOfPILOT_PO3 tsc_DPCH_PowerOffsetPILOT,
 dl_TxPower 0,
 dl_TxPowerMax 15,
 dl_TxPowerMin -35
}
```

Change 2.

New ASN1 constraint name	c_DL_DPCH_144K
Reason for change	In the current TTCN implementation the Power level used for the DL DPCH at the SS during Radio Bearer Setup is not sufficient enough for Data Transmission in DL. As per 3G PP TS 25.101 Table: 8.6 and C.3: For a data rate of 144KBPS the DL DPCH and CPICH should be of same power level
Summary of change	In this dl_TxPower is set to 0.
Source of change	New change

New Constraint:



ASN.1 Type Constraint Declaration

Constraint Name:	c_DL_DPCH_144K (p_sf : SF512_AndCodeNumber, p_DL_CommonInformation : DL_CommonInformation)
Group:	
Type Name:	DL_DPCHInfo
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value

```
{
 dl_CommonInformation p_DL_CommonInformation ,
 dl_DPCH_InfoPerRL fdd :{
  pCPICH_UsageForChannelEst mayBeUsed,
  dpch_FrameOffset ({ ( tsc_DefaultDPCH_OffsetValue*512 ) MOD 38400) / 256 ),
  -- DPCH-FrameOffset = DefaultDPCH-OffsetValueFDD MOD 38400
  -- Actual value DPCH-FrameOffset = IE value * 256
  -- Actual value DefaultDPCH-OffsetValueFDD = IE value * 512
  dl_ChannelisationCodeList { { secondaryScramblingCode 1,
     sf_AndCodeNumber p_sf
  } },
  tpc_CombinationIndex 0
 },
 powerOffsetOfTFCI_PO1 0,
 powerOffsetOfTPC_PO2 0,
 powerOffsetOfPILOT_PO3 0,
 dl_TxPower 0,
 dl_TxPowerMax 15,
 dl_TxPowerMin -35
}
```

Test step name	ts_SS_2DCH_ModifyInteractBackg_64k_144kPS
Reason for change	In the current TTCN implementation the Power level used for the DL DPCH at the SS during Radio Bearer Setup is not sufficient enough for Data Transmission in DL. As per 3G PP TS 25.101 Table: 8.6 and C.3: For a data rate of 144KBPS the DL DPCH and CPICH should be of same power level
Summary of change	The above new added constraint is used in test step ts_SS_2DCH_ModifyInteractBackg_64k_144kPS at row 2.
Source of change	New change

Before change:

Test Step	
Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_64k_144kPS (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configuration/
Objective:	to configure physical channel DPCH1and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respectively. Used for Interactive or Background / unknown / UL:64 DL:144 kbps.
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_RAT = fdd]			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH1, c_DL_DPCH_AMR_tsc_Sfc16, p_DL_CommonInformation) ,p_ActTime)		1.
3		CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellId, tsc_DL_DPCH1)		

After change:

Test Step	
Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_64k_144kPS (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configuration/
Objective:	to configure physical channel DPCH1and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respectively. Used for Interactive or Background / unknown / UL:64 DL:144 kbps.
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_RAT = fdd]			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH1, c_DL_DPCH_144k_tsc_Sfc16, p_DL_CommonInformation) ,p_ActTime)		1.
3		CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellId, tsc_DL_DPCH1)		

Change 3.

New ASN1 constraint name	c_DL_DPCH_256K
Reason for change	In the current TTCN implementation the Power level used for the DL DPCH at the SS during Radio Bearer Setup is not sufficient enough for Data Transmission in DL. As per 3G PP TS 25.101 Table: 8.6 and C.3: For a data of 384KBPS the DL DPCH should be configured 5 dB above the CPICH.

Summary of change	In this dl_TxPower is set to 5.
Source of change	New change

New Constraint:

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_DPCH_256K (p_sf : SF512_AndCodeNumber; p_DL_CommonInformation : DL_CommonInformation)
Group:	
Type Name:	DL_DPCHInfo
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value

```
{
 dl_CommonInformation p_DL_CommonInformation,
 dl_DPCH_InfoPerRL fdd : {
  pCPICH_UsageForChannelEst mayBeUsed,
  dpch_FrameOffset (( ( tsc_DefaultDPCH_OffsetValue*512 ) MOD 38400) / 256 ),
  -- DPCH-FrameOffset = DefaultDPCH-OffsetValueFDD MOD 38400
  -- Actual value DPCH-FrameOffset = IE value * 256
  -- Actual value DefaultDPCH-OffsetValueFDD = IE value * 512
  dl_ChannelisationCodeList { { secondaryScramblingCode 1,
    sf_AndCodeNumber p_sf
  } },
  tpc_CombinationIndex 0
 },
 powerOffsetOfTFCI_PO1 0,
 powerOffsetOfTPC_PO2 0,
 powerOffsetOfPILOT_PO3 0,
 dl_TxPower 5,
 dl_TxPowerMax 15,
 dl_TxPowerMin -35
}
```

Test step name	ts_SS_2DCH_ModifyInteractBackg_64k_256kPS_10
Reason for change	In the current TTCN implementation the Power level used for the DL DPCH at the SS during Radio Bearer Setup is not sufficient enough for Data Transmission in DL. As per 3G PP TS 25.101 Table: 8.6 and C.3: For a data of 384KBPS the DL DPCH should be configured 5 dB above the CPICH.
Summary of change	The above new added constraint is used in test step ts_SS_2DCH_ModifyInteractBackg_64k_256kPS_10 at row 2.
Source of change	New change

Before change:

Test Step	
Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_64k_256kPS_10 (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configuration/
Objective:	to configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DC 4 on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respective d for Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/ 10 r
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comment
1		[px_RAT = fdd]			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH 1,c_DL_DPCH_AMR (tsc _Sfc8, p_DL_CommonInf ormation) ,p_ActTime)		1.
3		CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellI d, tsc_DL_DPCH1)		

After change:

Test Step	
Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_64k_256kPS_10 (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configuration/
Objective:	to configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH1- 4 on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respectively. Use d for Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/ 10 ms TTI
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_RAT = fdd]			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH 1,c_DL_DPCH_256K (ts c_Sfc8, p_DL_Commonl nformation) ,p_ActTime)		1.
3		CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellI d, tsc_DL_DPCH1)		

Change 4.

New ASN1 constraint name	c_DL_DPCH_384K
Reason for change	In the current TTCN implementation the Power level used for the DL DPCH at the SS during Radio Bearer Setup is not sufficient enough for Data Transmission in DL. As per 3G PP TS 25.101 Table: 8.6 and C.3:

	For a data of 384KBPS the DL DPCH should be configured 5 dB above the CPICH.
Summary of change	In this dl_TxPower is set to 5.
Source of change	New change

New Constraint:

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_DPCH_384K (p_sf : SF512_AndCodeNumber, p_DL_CommonInformation : DL_CommonInformation)
Group:	
Type Name:	DL_DPCHInfo
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value

```
{
 dl_CommonInformation p_DL_CommonInformation ,
 dl_DPCH_InfoPerRL fdd : {
  pCPICH_UsageForChannelEst mayBeUsed,
  dpch_FrameOffset ((( tsc_DefaultDPCH_OffsetValue*512 ) MOD 38400) / 256 ),
  -- DPCH-FrameOffset = DefaultDPCH-OffsetValueFDD MOD 38400
  -- Actual value DPCH-FrameOffset = IE value * 256
  -- Actual value DefaultDPCH-OffsetValueFDD = IE value * 512
  dl_ChannelisationCodeList { { secondaryScramblingCode 1,
    sf_AndCodeNumber p_sf
  } },
  tpc_CombinationIndex 0
 },
 powerOffsetOfTFCI_PO1 0,
 powerOffsetOfTPC_PO2 0,
 powerOffsetOfPILOT_PO3 0,
 dl_TxPower 5,
 dl_TxPowerMax 15,
 dl_TxPowerMin -35
}
```

Test step name	ts_SS_2DCH_ModifyInteractBackg_64k_384kPS_10
Reason for change	In the current TTCN implementation the Power level used for the DL DPCH at the SS during Radio Bearer Setup is not sufficient enough for Data Transmission in DL. As per 3G PP TS 25.101 Table: 8.6 and C.3: For a data of 384KBPS the DL DPCH should be configured 5 dB above the CPICH.
Summary of change	The above new added constraint is used in test step ts_SS_2DCH_ModifyInteractBackg_64k_384kPS_10 at row 2.
Source of change	New change

Before change:

Test Step	
Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_64k_384kPS_10 (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configuration/
Objective:	to configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respectively. Used for Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/ 10 ms TTI
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_RAT = fdd]			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH1, c_DL_DPCH_AMR, tsc_Sfc8, p_DL_CommonInformation) ,p_ActTime)		1.
3		CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellId, tsc_DL_DPCH1)		

After change:

Test Step	
Test Step Id:	ts_SS_2DCH_ModifyInteractBackg_64k_384kPS_10 (p_CellId : INTEGER; p_ActTime : ActivationTime; p_DL_CommonInformation : DL_CommonInformation; p_UL_DPCH_Info : UL_DPCH_Info)
Test Step Group Ref:	RB_Steps/RB_Configuration/
Objective:	to configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH1-4 on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respectively. Used for Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/ 10 ms TTI
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_RAT = fdd]			
2		CPHY!CPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH1, c_DL_DPCH_384K, tsc_Sfc8, p_DL_CommonInformation) ,p_ActTime)		1.
3		CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_CellId, tsc_DL_DPCH1)		

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **411** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title: ⌘ Correction to Package 2 RAB test case 14.4.3

Source: ⌘ Anite

Work item code: ⌘ N/A ***Date:*** ⌘ 12/07/04

Category: ⌘ **F**

Use one of the following categories:
- ***F*** *(correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(addition of feature),*
- ***C*** *(functional modification of feature)*
- ***D*** *(editorial modification)*

Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Release: ⌘ R99

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

1. In this test case while executing the test step ts_RB_InitTest_1SCCPCH from the local tree lt_Background a paging message for terminatingInteractiveCall is sent from the TTCN. Thus an “Interactive” RAB is established instead of a “Background” type.

Summary of change: ⌘

1. Test step ts_RB_InitTest_1SCCPCH is parameterized to take PagingCause and EstablishmentCause as an input parameter and the same is passed to test step ts_RRC_PagType1_P_TMSI_Cause and ts_RRC_ConnEst as input parameter at row 6 and 7 respectively
2. In the test case body in lt_Interactive at row 2, passed “terminatingInteractiveCall” as an input parameter to the test step ts_RB_InitTest_1SCCPCH.
3. In the test case body in lt_Background at row 2, passed “terminatingBackgroundCall” as an input parameter to the test step ts_RB_InitTest_1SCCPCH.

Consequences if not approved: ⌘ Test case may fail to test conformant UE.

Clauses affected: ⌘ None

Other specs affected: ⌘

Y	N	
	X	Other core specifications
	X	Test specifications
	X	O&M Specifications

⌘

Other comments: ⌘	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

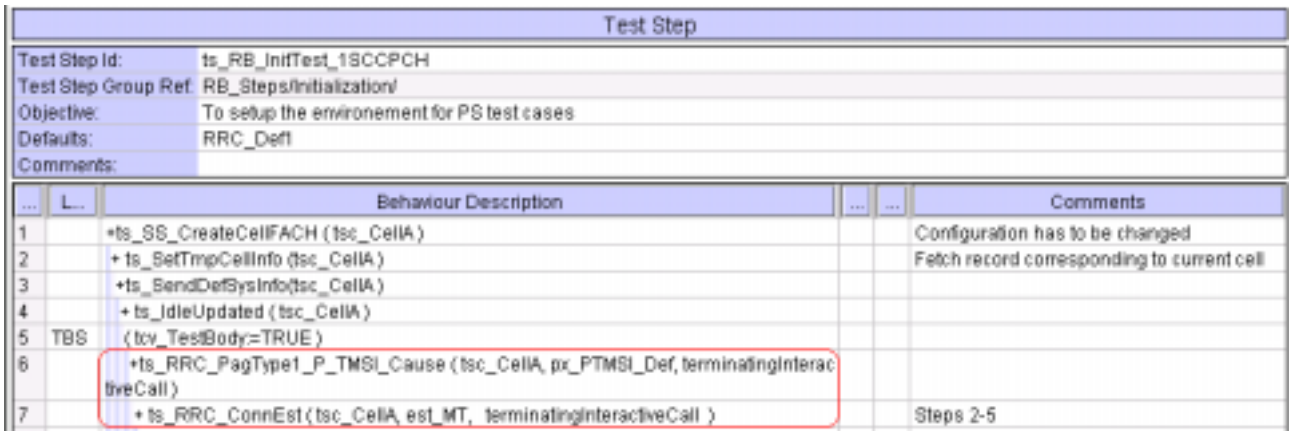
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

1.1 Change 1

Test Step	ts_RB_InitTest_1SCCPCH
Reason for change	In this test case while executing the test step ts_RB_InitTest_1SCCPCH from the local tree lt_Background a paging message for terminatingInteractiveCall is sent from the TTCN. Thus an “Interactive” RAB is established instead of a “Background” type.
Summary of change	Test step ts_RB_InitTest_1SCCPCH is parameterized to take PagingCause and EstablishmentCause as an input parameter and the same is passed to test step ts_RRC_PagType1_P_TMSI_Cause and ts_RRC_ConnEst as input parameter at row 6 and 7 respectively.
Source of change	New change

Before:

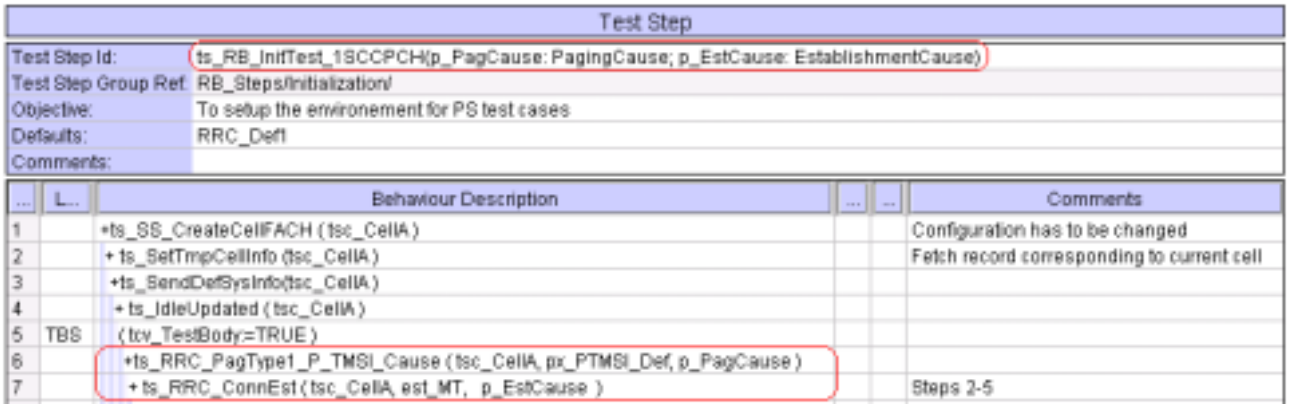


Test Step

Test Step Id:	ts_RB_InitTest_1SCCPCH
Test Step Group Ref:	RB_Steps/Initialization/
Objective:	To setup the environement for PS test cases
Defaults:	RRC_Def1
Comments:	

...	L...	Behaviour Description	...	...	Comments
1		+ts_SS_CreateCellFACH (tsc_CellA)			Configuration has to be changed
2		+ ts_SetTmpCellInfo (tsc_CellA)			Fetch record corresponding to current cell
3		+ts_SendDefSysInfo(tsc_CellA)			
4		+ ts_IdleUpdated (tsc_CellA)			
5	TBS	(tcv_TestBody:=TRUE)			
6		+ts_RRC_PagType1_P_TMSI_Cause (tsc_CellA, px_PTMSI_Def, terminatingInteractiveCall)			
7		+ ts_RRC_ConnEst (tsc_CellA, est_MT, terminatingInteractiveCall)			Steps 2-5

After:



Test Step

Test Step Id:	ts_RB_InitTest_1SCCPCH(p_PagCause: PagingCause; p_EstCause: EstablishmentCause)
Test Step Group Ref:	RB_Steps/Initialization/
Objective:	To setup the environement for PS test cases
Defaults:	RRC_Def1
Comments:	

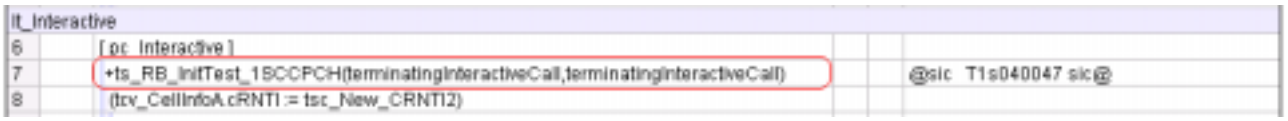
...	L...	Behaviour Description	...	...	Comments
1		+ts_SS_CreateCellFACH (tsc_CellA)			Configuration has to be changed
2		+ ts_SetTmpCellInfo (tsc_CellA)			Fetch record corresponding to current cell
3		+ts_SendDefSysInfo(tsc_CellA)			
4		+ ts_IdleUpdated (tsc_CellA)			
5	TBS	(tcv_TestBody:=TRUE)			
6		+ts_RRC_PagType1_P_TMSI_Cause (tsc_CellA, px_PTMSI_Def, p_PagCause)			
7		+ ts_RRC_ConnEst (tsc_CellA, est_MT, p_EstCause)			Steps 2-5

1.2 Change 2

Test Step	Local tree lt_Interactive in tc_14_4_3
Reason for change	Refer to Change 1.
Summary of change	In the test case body in lt_Interactive at row 2, passed “terminatingInteractiveCall” as an input parameter to the test step ts_RB_InitTest_1SCCPCH.
Source of change	New change

Before:

After:

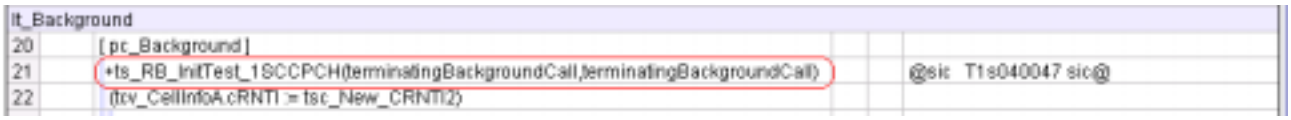


1.3 Change 3

Test Step	Local tree lt_Background in tc_14_4_3
Reason for change	Refer to Change 1.
Summary of change	In the test case body in lt_Background at row 2, passed “terminatingBackgroundCall” as an input parameter to the test step ts_RB_InitTest_1SCCPCH.
Source of change	New change

Before:

After:



CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **412** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to test steps "ts_ReceiveFirstSDUs_RB10" and "ts_ReceiveFirstSDUs_RB13" of Package 3 RAB test case 14.2.49.1
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	13/07/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	1. Test step "ts_ReceiveFirstSDUs_RB10" does not check for the number of SDU's received. It should return after receving one SDU. 2. Test step "ts_ReceiveFirstSDUs_RB13" does not check for the number of SDU's received. It should return after receving one SDU.
Summary of change:	⌘	1. Remove the loop "Get_Data". So remove line number 5. Add "CANCEL t_Dly" in line number 3. 2. Remove the loop "Get_Data". So remove line number 5. Add "CANCEL t_Dly" in line number 3.
Consequences if not approved:	⌘	Test case may fail conformant UE.

Clauses affected:	⌘	None

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1.

Test step name	ts_ReceiveFirstSDUs_RB10
Reason for change	Test step “ts_ReceiveFirstSDUs_RB10” does not check for the number of SDU’s received. It should return after receving one SDU.
Summary of change	Remove the loop “Get_Data”. So remove line number 5. Add “CANCEL t_Dly” in line number 3.
Source of change	New change

Before change:

Test Step					
Test Step Id:	ts_ReceiveFirstSDUs_RB10 (p_data : BITSTRING)				
Test Step Group Ref:	RB_Steps/RB_Subtests/				
Objective:					
Defaults:	RRC_Def1				
Comments:					
Nr	**Label**	**Behaviour Description**	**Constraint Ref**	**Verdict**	**Comme**
1		START t_Dly (tcv_max_Timer)			for TTCN Delay Step 15a.1
2		(tcv_Receive_RB10 := 0)			
3	Get_Data	TM ? RLC_TR_TestDataInd	car_RLC_DataInd (tsc_CellDedicated, tsc_RB10, c_TrD_Data(p_data))		15b.1
4		(tcv_Receive_RB10:=tcv_Receive_RB10+1)			
5		-> Get_Data			
6		?TIMEOUT t_Dly			

After change:

Test Step					
Test Step Id:	ts_ReceiveFirstSDUs_RB10 (p_data : BITSTRING)				
Test Step Group Ref:	RB_Steps/RB_Subtests/				
Objective:					
Defaults:	RRC_Def!				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comme
1		START t_Dly (tcv_max_Timer)			for TTCN Delay Step 15a.1
2		(tcv_Receive_RB10 := 0)			
3		TM ? RLC_TR_TestDataInd CANCEL t_Dly	car_RLC_DataInd (tsc_CellDedicated, tsc_RB10, c_TrD_Data(p_data))		15b.1
4		(tcv_Receive_RB10:=tcv_Receive_RB10+1)			
5		?TIMEOUT t_Dly			

Change 2.

Test step name	ts_ReceiveFirstSDUs_RB13
Reason for change	Test step “ts_ReceiveFirstSDUs_RB13” does not check for the number of SDU’s received. It should return after receving one SDU.
Summary of change	Remove the loop “Get_Data”. So remove line number 5. Add “CANCEL t_Dly” in line number 3.
Source of change	New change

Before change:

Test Step					
Test Step Id:	ts_ReceiveFirstSDUs_RB13 (p_data : BITSTRING)				
Test Step Group Ref:	RB_Steps/RB_Subtests/				
Objective:					
Defaults:	RRC_Def!				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comm
1		START t_Dly (tcv_max_Timer)			for TTCN Delay Step 15a.1
2		(tcv_Receive_RB13 := 0)			
3	Get_Data	TM ? RLC_TR_TestDataInd	car_RLC_DataInd (tsc_CellDedicated, tsc_RB13, c_TrD_Data(p_data))		15b.1
4		(tcv_Receive_RB13:=tcv_Receive_RB13+1)			
5		-> Get_Data			
6		?TIMEOUT t_Dly			

After change:

Test Step					
Test Step Id:	ts_ReceiveFirstSDUs_RB13 (p_data : BITSTRING)				
Test Step Group Ref:	RB_Steps/RB_Subtests/				
Objective:					
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comme
1		START t_Dly (tcv_max_Timer)			for TTCN Delay Step 15a.1
2		(tcv_Receive_RB13 := 0)			
3		TM ? RLC_TR_TestDataInd CANCEL t_Dly	car_RLC_DataInd (tsc_CellDedicated, tsc_RB13, c_TrD_Data(p_data))		15b.1
4		(tcv_Receive_RB13:=tcv_Receive_RB13+1)			
5		?TIMEOUT t_Dly			

CR-Form-v7

CHANGE REQUEST

⌘ ~~RRC~~ ATS~~TS~~34.123-3 **CR** ~~03xxxx~~ 423 ⌘ **rev** 1 ~~1~~ ⌘ Current version: 3.6.0 ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	TTCN Correction to test case 8.4.1.1 to RRC ATS V3.6.0
Source:	⌘	Anritsu Ltd
Work item code:	⌘	N/A
Date:	⌘	09/07/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	Inconsistency per prose
Summary of change:	⌘	Tables modified • tc_8_4_1_1 New tables • cs_MeasurementControlEvent1a_8411 For more details see below.
Consequences if not approved:	⌘	Test case will fail

Clauses affected:	⌘	N/A

	Y	N		
Other specs affected: ⌘		X	Other core specifications	⌘
		X	Test specifications	
		X	O&M Specifications	

Other comments:	⌘	

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

ANRITSU LIMITED

Title: **Changes to test case** tc_8_4_1_1 **required for approval**
Source: Anritsu Ltd.
Agenda Item: TTCN Issues
Document for: Approval
Contact: Dan Fox (Anritsu) dan.fox@eu.anritsu.com
Tel: +44 1582 433357

Table Of Contents

1 Overview 4

2 New Tables Added 5
2.1 cs_MeasurementControlEvent1a_8411 5

3 Tables Modifed 7
3.1 tc_8_4_1_1 7

1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ in test case 8.4.1.1 to ATS 3.6.0. With these changes applied the test case can be demonstrated to run on at least one independent UE implementations. Only essential fixes to the TTCN are applied. This test case has been tested according to the configuration stated below:-

Reference document	TS 34.123-1 version 5.8.0 TS34.108 version 3.15.0
Referenced CRs	T1-041030
Based ATS suite	iWD-TVB2003-03_D04wk26
Integrity	Enabled
Ciphering	Disabled
Path tested	CS & PS

2 New Tables Added

2.1 cs_MeasurementControlEvent1a_8411

Summary of Change:

Constraint required in step 12 for the Measurment Control

ASN.1 PDU Constraint Declaration

Constraint Name:	cs_MeasurementControlEvent1a_8411 (p_IntegrityInfo : IntegrityCheckInfo ; p_RRC_TI: RRC_TransactionIdentifier; p_MeasurementId : MeasurementIdentity; p_Offset : CellIndividualOffset ; p_TCell : ReferenceTimeDifferenceToCell; p_PriScmbCode1 , p_PriScmbCode2 : INTEGER)
Group:	
PDU Name:	DL_DCCH_Message
Derivation Path:	
Encoding Rule Name:	PER_Unaligned
Encoding Variation:	
Comments:	Measurement Control Command to trigger an '1b' event triggered event, for cell 2, used in test case 8.4.1.1

Constraint Value

```
{
  integrityCheckInfo p_IntegrityInfo,
  message measurementControl : r3:{
    measurementControl_r3 {
      rrc_TransactionIdentifier p_RRC_TI,
      measurementIdentity p_MeasurementId,
      measurementCommand setup : intraFrequencyMeasurement :
      {
        intraFreqCellInfoList
        {
          removedIntraFreqCellList removeAllIntraFreqCells : NULL,
          newIntraFreqCellList
          { {
              intraFreqCellID tsc_CellA,
              cellInfo
              {
                cellIndividualOffset p_Offset,
                referenceTimeDifferenceToCell OMIT,
                modeSpecificInfo fdd :
                {
                  primaryCPICH_Info
                  {
                    primaryScramblingCode p_PriScmbCode1
                  },
                  readSFN_Indicator FALSE,
                  tx_DiversityIndicator FALSE
                }
              }
            },
            {
              intraFreqCellID tsc_CellB,
              cellInfo
              {
                cellIndividualOffset p_Offset,
                referenceTimeDifferenceToCell p_TCell,
                modeSpecificInfo fdd :
                {
                  primaryCPICH_Info
                  {
                    primaryScramblingCode p_PriScmbCode2
```

```
                    },
                    readSFN_Indicator FALSE,
                    tx_DiversityIndicator FALSE
                  }
                }
              } },
              cellsForIntraFreqMeasList OMIT
            } ,
            intraFreqMeasQuantity
            {
              filterCoefficient fc0,
              modeSpecificInfo fdd :
              {
                intraFreqMeasQuantity_FDD cpich_RSCP
              }
            },
            intraFreqReportingQuantity
            {
              activeSetReportingQuantities
              {
                dummy noReport,
                cellIdentity_reportingIndicator FALSE,
                cellSynchronisationInfoReportingIndicator FALSE,
                modeSpecificInfo fdd :
                {
                  cpich_Ec_N0_reportingIndicator FALSE,
                  cpich_RSCP_reportingIndicator FALSE,
                  pathloss_reportingIndicator FALSE
                }
              },
              monitoredSetReportingQuantities
              {
                dummy noReport,
                cellIdentity_reportingIndicator FALSE,
                cellSynchronisationInfoReportingIndicator FALSE,
                modeSpecificInfo fdd :
                {
                  cpich_Ec_N0_reportingIndicator FALSE,
                  cpich_RSCP_reportingIndicator FALSE,
                  pathloss_reportingIndicator FALSE
                }
              }
            },
            reportCriteria intraFreqReportingCriteria :
            {
              eventCriteriaList
              {{
                  event e1a :
                  {
                    triggeringCondition monitoredSetCellsOnly,
                    reportingRange 16,
                    forbiddenAffectCellList OMIT,
                    w 0,
                    reportDeactivationThreshold t1,
                    reportingAmount ra_Infinity,
                    reportingInterval ri16
                  },
                  hysteresis 0,
                  timeToTrigger ttt5000,
                  reportingCellStatus OMIT
              }}
            }
          }
          ,
          measurementReportingMode
          {
            measurementReportTransferMode acknowledgedModeRLC,
            periodicalOrEventTrigger eventTrigger
          }
        },
        v390nonCriticalExtensions OMIT
      }
    }
```

Detailed Comment:	

3 Tables Modifed

3.1 tc_8_4_1_1

Reason for change

1. Step 9 - (Line 23) Incorrect T1 power setting per prose CR T1-041030
2. Step 11 – (Line 30) Incorrect T2 power setting per prose CR T1-041030
3. Step 12 – (Line 34) Measurement Control contains incorrect cs_MeasurementControlEvent1a constraint (“Reporting Range Constant value of 8db => 16 * 0.5dB per core spec. 25.331)
4. Step 12 – (Line 34) Measurement Control contains incorrect ReferenceTimeDifferenceToCell IE value per prose (“ReferenceTimeDifferenceToCell should be 0 chip instead of 256 chips)
5. Step 13 - (Line 35) Incorrect T1 power setting per prose CR T1-041030

Summary of Change

1. Replaced incorrect T1 power adjustment parameter for CellB &C per prose (Line 24)
2. Replaced incorrect T2 power adjustment parameter for Cell C per prose (Line 31 & 33)
3. Replaced incorrect contraint with new constraint cs_MeasurementControlEvent1a_8411 (Line34)
4. Replaced ReferenceTimeDifferenceToCell IE value according to prose (Line34)
5. Replaced incorrect T1 power adjustment parameter for Cell C per prose (Line 35)

Test Case

Test Case Id:	tc_8_4_1_1
Test Group Reference:	RRC_Measurements/
Purpose:	1. To confirm that the UE continues to monitor intra-frequency measurement quantity of the cells listed in System Information Block type 11 or 12 messages, after it has entered CELL_DCH state from idle mode. When the intra-frequency measurement reporting criteria specified in System Information Block type 11 or 12 messages have been met, it shall report the measurements using MEASUREMENT REPORT message (s). 2. To confirm that the UE terminates monitoring and reporting activities for the cells listed in "intra-frequency cell info list" IE in System Information Block type 11 or 12 messages, after it has received a MEASUREMENT CONTROL message that specifies the measurement type to be "intra-frequency measurement" with the same measurement identity as in System Information Block Type 11 or 12 messages. To confirm that the UE reconfigures the monitoring and reporting activities based on the last MEASUREMENT CONTROL message received.
Configuration:	
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT = fdd]			FDD specific behaviour
3		+lt_InitVariables			
4		+ts_SS_CreateCellDCH (tsc_CellA)			Configure lower tester
5		+ts_SendDef_sysInfo_MultiCellWithoutSIB12 (tsc_CellA)			Sends the default system information in CellC
6		+ts_SS_CreateCellFACH (tsc_CellB)			Configure lower tester
7		+ts_SendDef_sysInfo_MultiCellWithoutSIB12 (tsc_CellB)			Sends the default system information in CellB

8		+ts_SS_CreateCellFACH (tsc_CellC)			Configure lower tester
9		+ts_SendDef_sysInfo_MultiCellWithoutSIB12 (tsc_CellC)			Sends the default system information in CellA
10		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to cell_Dch state and release the connection again
11		+lt_LocalTest			
12		+ po_ConnectionAndSS_Rels			Postamble : To release the RRC connection and all the Configuration
13	ERR1	[px_RAT = tdd]			TDD specific behaviour
14	ERR2	[TRUE]		I	
lt_LocalTest					
15	TBS	(tcv_TestBody := TRUE)			
16		+ts_SendModifiedSIB11_SysInfo (tsc_CellA , c_SIB11_ModifiedIntrafreqMeas (tcv_CellInfoA , tcv_CellInfoB, c_CellInfoDef (tsc_DummyCellC, (px_PriScrmCode+10), tsc_URA_IdCellC, px_TCellC, tsc_SFN_OffsetC, c_FreqInfo (px_UARFCN_D_Mid - 950 , px_UARFCN_D_Mid), ((px_UL_ScramblingCode + 2000) MOD 16777216)), tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoG, tcv_CellInfoH))			Step 1 in prose;
17		+ts_ToStateMO_CS_6_9_PS_6_10Or6_11 (tsc_CellA)			Step 2-4 in prose;
18		+lt_Step5_to_6a			Local teststep to cover steps5, 6 and 6a; @sic Thomas T1-040651 sic@
19		AM !RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlevent1e (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 1, tsc_Offset8_4_1_1, tcv_CellInfoC.priScrmCode, tcv_CellInfoA.priScrmCode))		Step 7 in prose; sending Measurement control command
20		START t_WaitMS (64 * 1000)			Initialize thewait timer to 64 seconds
21	TBF4	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqPeriodicAddMeasResults (*, *, *, *))	(F)	Step 8 in prose; Measurement report recieved Then FAIL
22	TBP4	? TIMEOUT t_WaitMS		(P)	
23		~~(tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH + 60 , tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 60)~~			~~Step 9 in prose; Initialise parameters such that power levels at time T1 can be configured.~~
24		(tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH + 64 , tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 64)			Step 9 in prose; Initialise parameters such that power levels at time T1 can be configured. (tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH + 60 , tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 60)
25		+ts_SetAttenuationLevel (tsc_CellC, tcv_CellInfoC.attenuationLevel)			Changing the power level of cell C as given in Table at time T1
26		+ts_SetAttenuationLevel (tsc_CellB, tcv_CellInfoB.attenuationLevel)			Changing the power level of cell B as given in Table at time T1
27		+lt_ReceiveMeasurementReportCell_e1e			Step 10 in prose; Measurement report recieved once
28		AM !RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlModifyIntraFreq (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 1, tcv_CellInfoB.priScrmCode))		Step 10a in prose; sending Measurement control command
29	TBP7	+lt_ReceiveMeasurReport3Cell_E1eCellB			Step 10b in prose;
30		~~(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 80)~~			~~Step 11 in prose; Initialise parameters such that power levels at time T2 can be configured.~~
31		(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 80, tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH + 64)			Step 11 in prose; Initialise parameters such that power levels at time T2 can be configured. (tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 80)
32		+ts_SetAttenuationLevel (tsc_CellB, tcv_CellInfoB.attenuationLevel)			Changing the power level of cell B as given in Table at time T1
33		+ts_SetAttenuationLevel (tsc_CellC, tcv_CellInfoC.attenuationLevel)			
34		~~-~~AM !RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, ~~cs_MeasurementControlEvent1a~~ cs_MeasurementControlEvent1a_8411 (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 1, tsc_Offset8_4_1_1, ~~tsc_TCell8_4_1_1,~~ accuracy256 : 0, tcv_CellInfoA.priScrmCode, tcv_CellInfoB.priScrmCode))		Step 12 in prose; sending Measurement control commandcas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlEvent1a_8411 (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 1, tsc_Offset8_4_1_1, tsc_TCell8_4_1_1, tcv_CellInfoA.priScrmCode, tcv_CellInfoB.priScrmCode))
35		~~(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 60 , tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH + 60)~~			~~Step 13 in prose; Initialise parameters such that power levels at time T1 can be configured.~~
36		(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 64 , tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH			Step 13 in prose; Initialise parameters such that power levels at time T1 can be configured.

		+ 64)			(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 60 , tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH + 60)
37		–+ts_SetAttenuationLevel (tsc_CellB, tcv_CellInfoB.attenuationLevel)			Changing the power level of cell B as given in Table at time T1
38		–+ts_SetAttenuationLevel (tsc_CellC, tcv_CellInfoC.attenuationLevel)			Changing the power level of cell C as given in Table at time T1
39		–(tcv_Tolerance := (5 * 1000) / 10)			
40		–START t_WaitMS (5 * 1000 - tcv_Tolerance)			Initialize the wait timer to 5 seconds; @sic Thomas T1s040279 sic@
41		–? TIMEOUT t_WaitMS			
42		–(tcv_Tolerance := (16 * 1000) / 10)			
43		–START t_WaitMS (16 * 1000 + tcv_Tolerance)			Initialize the wait timer to 16 seconds
44	TBF5	–? TIMEOUT t_WaitMS		(F)	Timer expires the test case fails
45	TBP8	–AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEventNoMeasuredResults (1,e1a , tcv_CellInfoB.priScrmCode))	(P)	Step 14 in prose;
46		–+ts_C3_CheckCellDCH (tsc_CellA)			Step 15 in prose;
47	TBE	–(tcv_TestBody := FALSE)		(P)	
lt_InitVariables					
48		+ts_RRC_InitVariables (cell_DCH)			
49		(tcv_CellInfoA := c_CellInfoDiff (tsc_CellA, px_PriScrmCode, tsc_URA_IdCellA, tsc_CRNTI , px_TCellA, tsc_SFN_OffsetA, tcv_FreqInfoMid, px_UL_ScramblingCode))			
50		(tcv_CellInfoB := c_CellInfoDiff (tsc_CellB, ((px_PriScrmCode + 50) MOD 512) , tsc_URA_IdCellB, tsc_CRNTI , px_TCellB, tsc_SFN_OffsetB, tcv_FreqInfoMid, ((px_UL_ScramblingCode +1000) MOD 16777216)))			
51		(tcv_CellInfoC := c_CellInfoDiff (tsc_CellC, ((px_PriScrmCode + 100) MOD 512), tsc_URA_IdCellC, tsc_CRNTI , px_TCellC, tsc_SFN_OffsetC, tcv_FreqInfoMid, ((px_UL_ScramblingCode +2000) MOD 16777216)))			
52		(tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH + 80)			
53		(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 70)			
54		(tcv_CellInfoA.attenuationLevel := tcv_CellInfoA.powerpCPICH + 60)			
lt_Step5_to_6a					
55		(tcv_Tolerance := (64 * 1000) / 10)			
56		START t_WaitMS (64 * 1000 + tcv_Tolerance)			Initialize the wait timer to 64 seconds
57		+lt_Step6_6a			Step 6 in prose; Measurement report recieved once; @sic Thomas T1-040651 sic@
58		+lt_CheckCPICH_RSCP			
59		CANCEL t_WaitMS			
60		(tcv_Tolerance := (64 * 1000) / 10)			
61		START t_WaitMS (64 * 1000 + tcv_Tolerance)			Initialize the wait timer to 64 seconds
62		+lt_Step6_6a			Step 6a in prose; Measurement report recieved twice in 64 seconds; @sic Thomas T1-040651 sic@
63		+lt_CheckCPICH_RSCP			
64		CANCEL t_WaitMS			If recieved two measurement reports, cancel the timer
lt_Step6_6a					
65	TBF1	? TIMEOUT t_WaitMS		(F)	Timer expires the test case fails
66	TBP1	AM ?RLC_AM_DATA_IND (tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message. uL_DCCH_Message.message.measurementReport.measuredResults.intraFreqMeasuredResultsList. [0].modeSpecificInfo.fdd.cpich_RSCP)	car_MeasurementReport (tsc_CellDedicated , tsc_RB2, cr_MeasReportIntraFreqPeriodicAddMeasResults (1, OMIT, tcv_CellInfoB.priScrmCode, OMIT))	(P)	Step 6 or 6a in prose
67	TBP2	AM ?RLC_AM_DATA_IND (tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message. uL_DCCH_Message.message.measurementReport.measuredResults.intraFreqMeasuredResultsList. [1].modeSpecificInfo.fdd.cpich_RSCP)	car_MeasurementReport (tsc_CellDedicated , tsc_RB2, cr_MeasReportIntraFreqPeriodicAddMeasResultsTwoCells (1, OMIT, OMIT, tcv_CellInfoA.priScrmCode, tcv_CellInfoB.priScrmCode, OMIT))	(P)	Step 6 or 6a in prose; @sic Thomas T1-040651 sic@
lt_CheckCPICH_RSCP					
68	TBP3	[((tcv_Checkcpich_RSCP - tsc_Cpich_RSCP_70dBm) >= tsc_cpich_RSCPMin) AND ((tsc_Cpich_RSCP_70dBm - tcv_Checkcpich_RSCP) <= tsc_cpich_RSCPMax)]		(P)	
69	TBF3	[TRUE]		(F)	
lt_ReceiveMeasurementReportCell_e1e					
70	TBP5	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent1e (1, OMIT, tcv_CellInfoA.priScrmCode, OMIT, ?, OMIT, tcv_CellInfoC.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoC.priScrmCode))	(P)	Cell A, C order
71	TBP6	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent1e (1, OMIT, tcv_CellInfoC.priScrmCode, c_CellSynchronisationInformation, OMIT, OMIT, tcv_CellInfoA.priScrmCode, OMIT, ?, t_v_CellInfo_priScrmCode))	(P)	Cell C, A order

lt_ReceiveMeasurReport3Cell_E1eCellB

72		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1, tcv_CellInfoA.priScrmCode, OMIT, ?, tcv_CellInfoB.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoC.priScrmCode,c_CellSynchronisationInformation, OMIT,e1e,tcv_CellInfoB.priScrmCode))	(P)	Step 10b in prose; A,B,C order @sic Thomas ER1389 sic@
73		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1, tcv_CellInfoA.priScrmCode, OMIT, ?, tcv_CellInfoC.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoB.priScrmCode,c_CellSynchronisationInformation, OMIT,e1e,tcv_CellInfoB.priScrmCode))	(P)	Step 10b in prose; A,C,B order @sic Thomas ER1389 sic@
74		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1, tcv_CellInfoB.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoA.priScrmCode, OMIT, ?, tcv_CellInfoC.priScrmCode,c_CellSynchronisationInformation, OMIT,e1e,tcv_CellInfoB.priScrmCode))	(P)	Step 10b in prose; B,A,C order @sic Thomas ER1389 sic@
75		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1, tcv_CellInfoB.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoC.priScrmCode,c_CellSynchronisationInformation, OMIT, tcv_CellInfoA.priScrmCode, OMIT, ?, e1e,tcv_CellInfoB.priScrmCode))	(P)	Step 10b in prose; B,C,A order @sic Thomas ER1389 sic@
76		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1,tcv_CellInfoC.priScrmCode,c_CellSynchronisationInformation, OMIT, tcv_CellInfoA.priScrmCode, OMIT, ?, tcv_CellInfoB.priScrmCode, c_CellSynchronisationInformation, OMIT, e1e,tcv_CellInfoB.priScrmCode))	(P)	Step 10b in prose; C,A,B order @sic Thomas ER1389 sic@
77		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1, tcv_CellInfoC.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoB.priScrmCode,c_CellSynchronisationInformation, OMIT, tcv_CellInfoA.priScrmCode, OMIT, ?, e1e,tcv_CellInfoB.priScrmCode))	(P)	Step 10b in prose; C,B,A order @sic Thomas ER1389 sic@

Detailed Comment:

3GPP TSG-T1 E-Mail 2004
01 Jan - 31 Dec 2004

Tdoc ⌘T1s040402

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 413** ⌘**rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to GMM Package 2 approved TC 12.6.1.2 in handling Attach procedure.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	19-Jul-04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	TTCN implementation of tc_12_6_1_2 has the following issues in handling Attach procedure - 1. In test step *ts_GMM_AttachReject* for auto attached ModeC UE case, RRC connection procedure with cause '*registration'* is not handled. 2. In local tree *lt_Attach_In_New_Connection*, the test step *ts_AT_TriggerGMM_Attach* needs to be called only in Non auto attached UE case. 3. In *lt_Steps_18To20* local tree, line#72 for handling ATTACH REQUEST and line#73 for handling t_WaitS timer expiry are not in the same TTCN indentation level and is incorrect.
Summary of change:	⌘	TTCN implementation of tc_12_6_1_2 needs following corrections - 1. In *ts_GMM_AttachReject,* local tree *lt_GMMOnly_TriggerAttach* RRC connection test step needs to be called before handing ATTACH REQUEST message. 2. In local tree *lt_Attach_In_New_Connection*, test step *ts_AT_TriggerGMM_Attach* needs to be called conditionally based on pc_AutomaticAttachSwitchON. 3. To handle ATTACH REQUEST and t_WaitS timer expiry correctly, the indentation levels of line#73 and #74 needs to be decreased by 1 level.
Consequences if not approved:	⌘	Test case will fail conformant UE.

Clauses affected:	⌘	TS 34.123-3 NAS ATS Test case tc_12_6_1_2

		Y	N			
Other specs affected:	⌘		X	Other core specifications	⌘	
			X	Test specifications		TS 34.123-3 NAS ATS
			X	O&M Specifications		
Other comments:	⌘					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1.

Test step name	*ts_GMM_AttachReject,* local tree *lt_GMMOnly_TriggerAttach, Line#68*
Reason for change	For Auto attach enabled ModeC UE, RRC connection procedure with cause registration is not handled.
Summary of change	At line #68, ts_RRC_ConnEst test step is called.

Before change:

67		[TRUE]			UE shall automatically attempt PS attach
68		Dc ? RRC_DataInd (tcv_TmpAttachReqPDU := RRC_DataInd.msg, tcv_TmpB3 := tcv_TmpAttachReqPDU.attachType.type, tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_AttachTypeAny, c_MobileIdAny_lv, c_RAI_Any_v, ?))		ATTACH REQUEST - Extract Attach type requested

After change:

67		[TRUE]			UE shall automatically attempt PS attach
68		+ts_RRC_ConnEst(p_CellId, est_Reg, registration)			
69		Dc ? RRC_DataInd (tcv_TmpAttachReqPDU := RRC_DataInd.msg, tcv_TmpB3 := tcv_TmpAttachReqPDU.attachType.type , tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_AttachTypeAny, c_MobileIdAny_lv, c_RAI_Any_v, ?))		ATTACH REQUEST - Extract Attach type requested

Change 2.

Test step name	*lt_Attach_In_New_Connection*
Reason for change	In local tree *lt_Attach_In_New_Connection*, the teststep *ts_AT_TriggerGMM_Attach* needs to be called only in Non auto attached UE case.
Summary of change	In local tree *lt_Attach_In_New_Connection*, test step *ts_AT_TriggerGMM_Attach* will be called conditionally based on pc_AutomaticAttachSwitchON.

Before change:

79		+ts_AT_TriggerGMM_Attach			Trigger UE to initiate GMM Att ach after allowing the UE to d ecode Sys Infos [Note: Is this OK for Auto Attac h UEs?]
80		+ts_RRC_ConnEst(tsc_CellB, est_Reg, registration)			
81		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedi cated, tsc_RB3, cr_AttachReq (c_GMM_AttachTypePS_Only, c_MobileIdIMSI_lv, ?, tcv_PS_KeySeq))		Step 20. ATTACH REQUEST - Attach type is 'PS attach' - Mobile Id = IMSI

After change:

79		[NOT pc_AutomaticAttachSwitchON]			
80		+ts_AT_TriggerGMM_Attach			Trigger UE to initiate GMM A ttach after allowing the UE t o decode Sys Infos
81		+ts_RRC_ConnEst(tsc_CellB, est_Reg, registrati on)			
82		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDe dicated, tsc_RB3, cr_AttachReq (c_GMM_AttachTypePS_Only, c_MobileIdIMSI_lv, ?, tcv_PS_KeySeq))		Step 20. ATTACH REQUES T - Attach type is 'PS attach' - Mobile Id = IMSI
83		[pc_AutomaticAttachSwitchON]			
84		+ts_RRC_ConnEst(tsc_CellB, est_Reg, registrati on)			
85		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDe dicated, tsc_RB3, cr_AttachReq (c_GMM_AttachTypePS_Only, c_MobileIdIMSI_lv, ?, tcv_PS_KeySeq))		Step 20. ATTACH REQUES T - Attach type is 'PS attach' - Mobile Id = IMSI

Change 3.

Test step name	*tc_12_6_1_2 Local tree lt_Steps_18To20*
Reason for change	In line#72 for handling ATTACH REQUEST and t_WaitS timer expiry at line#73 are not in the same indentation level and is incorrect
Summary of change	The indentation level of line#73 and #74 is decreased by 1. i.e. Line#73 indentation level modified to level #14 from level #15 Line#74 indentation level modified to level #15 from level #16

<<End of Document>>

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **414** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Delay to ensure the proper transmission of Cell Update Confirm in 8.3.4.2.
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	19/07/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	In lt_CellUpdate of testcase 8.3.4.2, Cell Update Confirm is sent immediately followed by reconfiguration of RB1 (ts_CMAC_New_RNTI_Reconf). This might lead to the loss of the message sometimes if the reconfiguration begins before the Cell Update Confirm has been completely transmitted.
Summary of change:	⌘	At line 5 of lt_CellUpdate, a 30 ms delay is introduced before call to ts_CMAC_New_RNTI_Reconf
Consequences if not approved:	⌘	Testcase 8.3.4.2 will fail a conformant UE sometimes.

Clauses affected:	⌘				
Other specs affected:	⌘	**Y**	**N**		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Test step	In local tree lt_CellUpdate of testcase 8.3.4.2
Reason for change	1. In lt_CellUpdate of testcase 8.3.4.2, Cell Update Confirm is sent immediately followed by reconfiguration of RB1 (ts_CMAC_New_RNTI_Reconf). This might lead to the loss of the message sometimes if the reconfiguration begins before the Cell Update Confirm has been completely transmitted.
Summary of change	1. On line 5 of lt_CellUpdate, a 30 ms delay is introduced before call to ts_CMAC_New_RNTI_Reconf
Source of change	new change

Before:

37		+lt_CellUpdate			
lt_CellUpdate					
38	TBP6	+ts_RRC_ReceiveCellUpdateNonPeriodic(tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, radiolinkFailure),(tsc_MaxCampingTime * 1000))			Step 13. UE sends CELL UPDATE with "Cell update cause" cell reselection "
39		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)			SS reconfigure the Physical Channel
40		+ts_CMAC_New_RNTI_Reconf (TRUE,tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			SS reconfiguration
41		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfGenericDCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti , OMIT, tsc_CRNTI_1, cell_FACH, OMIT, OMIT, OMIT, OMIT, OMIT,OMIT))		Step 14 . SS sends CELL UPDATE CONFIRM with IEs "new C-RNTI"
42		+ts_CMAC_New_RNTI_Reco			SS reconfiguration

After :

37		+lt_CellUpdate			
lt_CellUpdate					
38	TBP6	+ts_RRC_ReceiveCellUpdateNonPeriodic(tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, radiolinkFailure),(tsc_MaxCampingTime * 1000))			Step 13. UE sends CELL UPDATE with "Cell update cause" cell reselection "
39		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)			SS reconfigure the Physical Channel
40		+ts_CMAC_New_RNTI_Reconf (TRUE,tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			SS reconfiguration
41		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfGenericDCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti , OMIT, tsc_CRNTI_1, cell_FACH, OMIT, OMIT, OMIT, OMIT, OMIT,OMIT))		Step 14 . SS sends CELL UPDATE CONFIRM with IEs "new C-RNTI"
42		+ts_RRC_Delay(30)			
43		+ts_CMAC_New_RNTI_Reconf (FALSE,tsc_CellA,			SS reconfiguration

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** **415** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Guard timer setting if registration is made to a PLMN different from the normal one
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	21/07/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	Correction to GCF package 2 NAS test cases 9.4.8, 9.4.2.4 TestPurpose 1, 12.2.1.3, to cover the case when the UE is in the test case supposed to register to a PLMN different from the normal one 001 01, and then the registration takes longer time than normal. This makes the guard timer time out. When the UE is switched on it normally has the last registered PLMN in memory and makes a fast registration on that cell, but in this case the last registered PLMN is not suitable and therefore the UE has to scan all WCDMA frequencies (and GSM if Dual Mode UE) which can take long time.
Summary of change:	⌘	This document lists changes of the guard timer values applied to test cases 9.4.8, 9.4.2.4 TestPurpose 1, 12.2.1.3. See detailed change description for further information.
Consequences if not approved:	⌘	Conformant UEs may fail these test cases.

Clauses affected:	⌘	N/A

	Y	N		
Other specs affected: ⌘		X	Other core specifications	⌘
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

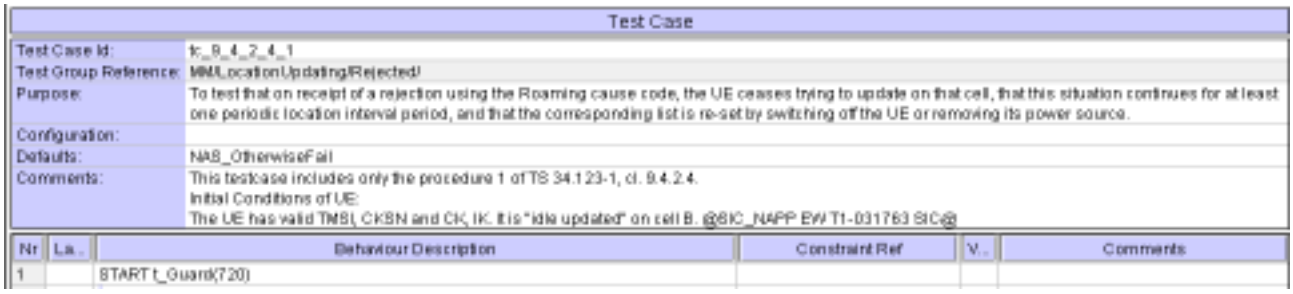
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1: tc_9_4_2_4 procedure 1

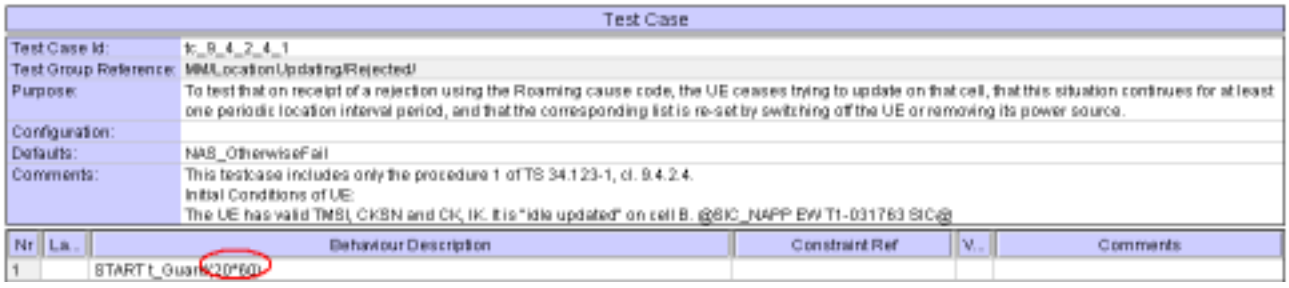
Test case name	tc_9_4_2_4 procedure 1
Reason for change	Guard timer too short to cover all situations
Summary of change	Guard timer set to 20 minutes

Before change 1:



Test Case					
Test Case Id:	tc_9_4_2_4_1				
Test Group Reference:	MM/Location Updating/Rejected/				
Purpose:	To test that on receipt of a rejection using the Roaming cause code, the UE ceases trying to update on that cell, that this situation continues for at least one periodic location interval period, and that the corresponding list is re-set by switching off the UE or removing its power source.				
Configuration:					
Defaults:	NAS_OtherwiseFail				
Comments:	This testcase includes only the procedure 1 of TS 34.123-1, cl. 9.4.2.4. Initial Conditions of UE: The UE has valid TMSI, CKSN and CK, IK. It is "idle updated" on cell B. @SIC_NAPP EW T1-031763 SIC@				
Nr	La..	Behaviour Description	Constraint Ref	V..	Comments
1		START t_Guard(720)			

After change 1:

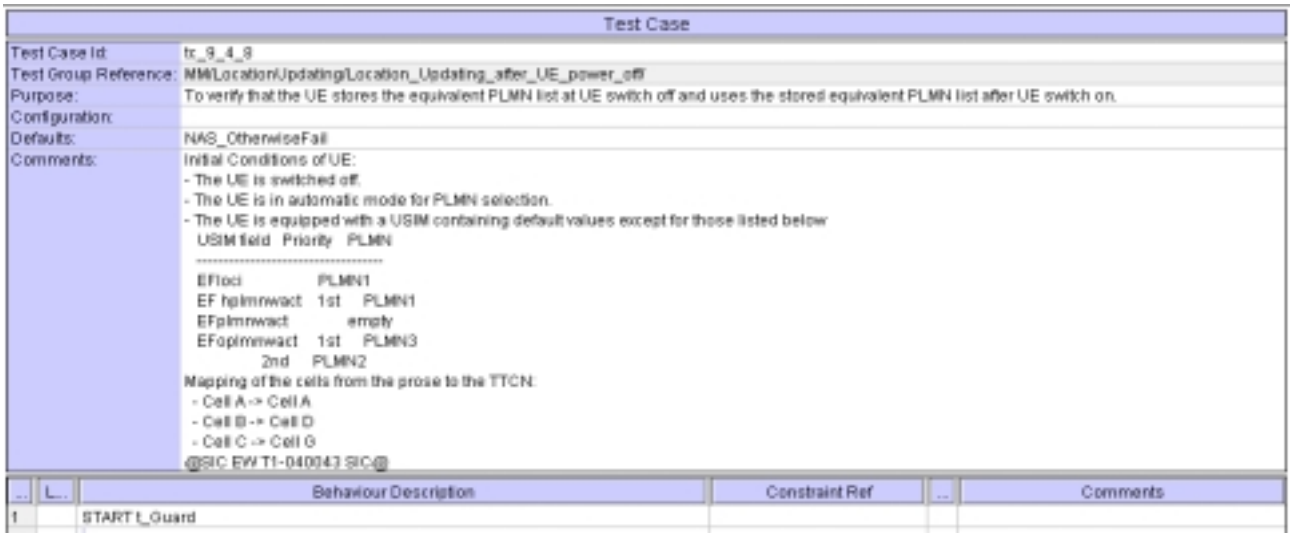


Test Case					
Test Case Id:	tc_9_4_2_4_1				
Test Group Reference:	MM/Location Updating/Rejected/				
Purpose:	To test that on receipt of a rejection using the Roaming cause code, the UE ceases trying to update on that cell, that this situation continues for at least one periodic location interval period, and that the corresponding list is re-set by switching off the UE or removing its power source.				
Configuration:					
Defaults:	NAS_OtherwiseFail				
Comments:	This testcase includes only the procedure 1 of TS 34.123-1, cl. 9.4.2.4. Initial Conditions of UE: The UE has valid TMSI, CKSN and CK, IK. It is "idle updated" on cell B. @SIC_NAPP EW T1-031763 SIC@				
Nr	La..	Behaviour Description	Constraint Ref	V..	Comments
1		START t_Guard(20*60)			

Change 2: tc_9_4_8

Test case name	tc_9_4_8
Reason for change	Guard timer too short to cover all situations
Summary of change	Guard timer set to 20 minutes

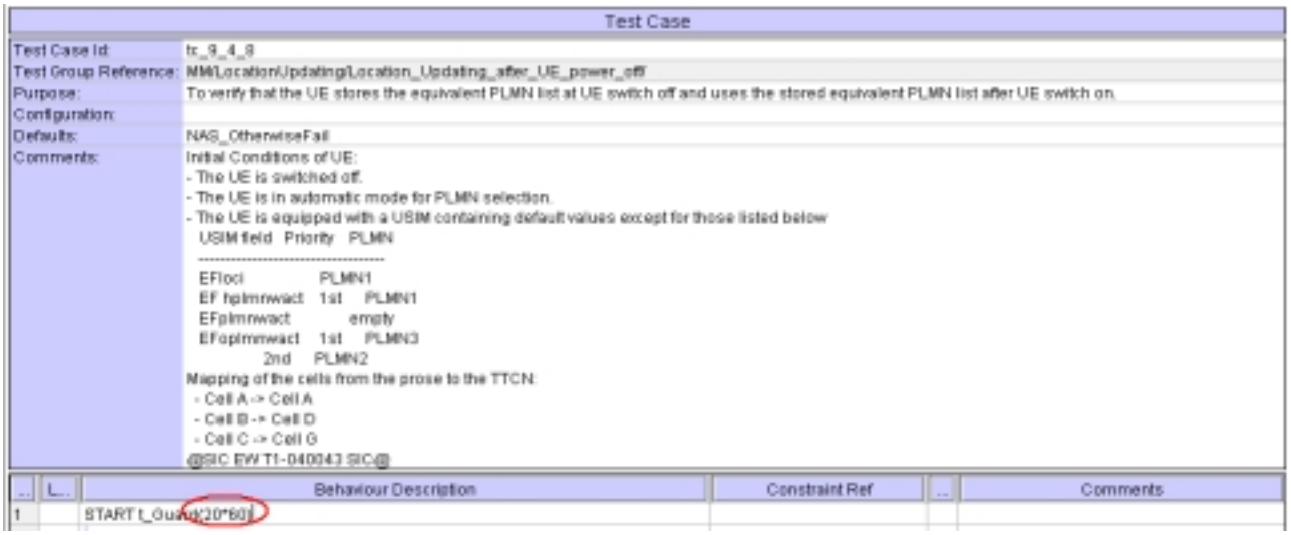
Before change 2:



Test Case	
Test Case Id:	tc_9_4_9
Test Group Reference:	MM/Location/Updating/Location_Updating_after_UE_power_off
Purpose:	To verify that the UE stores the equivalent PLMN list at UE switch off and uses the stored equivalent PLMN list after UE switch on.
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial Conditions of UE: - The UE is switched off. - The UE is in automatic mode for PLMN selection. - The UE is equipped with a USIM containing default values except for those listed below USIM field Priority PLMN --- EFloci PLMN1 EF hplmnwact 1st PLMN1 EFplmnwact empty EFoplmnwact 1st PLMN3 2nd PLMN2 Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell D - Cell C -> Cell G @SIC EW T1-040043 SIC@

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		START t_Guard			

After change 2:



Test Case	
Test Case Id:	tc_9_4_9
Test Group Reference:	MM/Location/Updating/Location_Updating_after_UE_power_off
Purpose:	To verify that the UE stores the equivalent PLMN list at UE switch off and uses the stored equivalent PLMN list after UE switch on.
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial Conditions of UE: - The UE is switched off. - The UE is in automatic mode for PLMN selection. - The UE is equipped with a USIM containing default values except for those listed below USIM field Priority PLMN --- EFloci PLMN1 EF hplmnwact 1st PLMN1 EFplmnwact empty EFoplmnwact 1st PLMN3 2nd PLMN2 Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell D - Cell C -> Cell G @SIC EW T1-040043 SIC@

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		START t_Guard(20*60)			

Change 3: tc_12_2_1_3

Test case name	tc_12_2_1_3
Reason for change	Guard timer too short to cover all situations
Summary of change	Guard timer set to 20 minutes

Before change 3:

Test Case	
Test Case Id:	tc_12_2_1_3
Test Group Reference:	GMM/Attach_procedures/PS_only_attach/
Purpose:	To test the behaviour of the UE if the network rejects the PS attach procedure of the UE with the cause 'PS services not allowed' (no valid PS subscriptio n) Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell D @sic VB T1-040044 sic@
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial conditions - SS : Two cells operating in network operation mode II - UE : The UE has a valid P-TMSI-1, P-TMSI-1 signature and RAI-1 of HPLMN Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell D @sic vb T1-040044 sic@

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		START t_Guard(300)			

After change 3:

Sort the selected group

Test Case	
Test Case Id:	tc_12_2_1_3
Test Group Reference:	GMM/Attach_procedures/PS_only_attach/
Purpose:	To test the behaviour of the UE if the network rejects the PS attach procedure of the UE with the cause 'PS services not allowed' (no valid PS subscriptio n) Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell D @sic VB T1-040044 sic@
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial conditions - SS : Two cells operating in network operation mode II - UE : The UE has a valid P-TMSI-1, P-TMSI-1 signature and RAI-1 of HPLMN Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell D @sic vb T1-040044 sic@

..	L..	Behaviour Description	Constraint Ref	..	Comments
1		START t_Guard(20*60)			

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 416** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to RRC Package 2 TC 8.3.1.31.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	26/07/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

1. Content of the message **Physical Channel Reconfiguration** used in ts_TransitToURA_PCH_P17_P18 to move the UE to state URA_PCH (state 6-13) needs to be modified to conform with the approved CR T1-040906 on 3GPP TS 34.108.
   - IE UTRAN DRX CYCLE LENGTH COEFFICIENT should be present and value will be 3.
   - IE max AllowedUL_TX_Power has to be present and value will be 33dBm.
   - IE New C-RNTI and Activation time should not be present.
2. In line #24 of TC 8.3.1.31 a timer t_WaitS (used to handle the receive message UTRAN MOBILITY INFORMATION CONFIRM in step 7) is cancelled which was not started. Thus it is required to start the timer t_WaitS before receiving the message UTRAN MOBILITY INFORMATION CONFIRM in step 7 and to add a FAIL branch for the expiry of timer t_WaitS.

Summary of change: ⌘

1. Modified the ASN.1 PDU Constraint Declaration **cs_PhyChReconfURA_PCH** as mentioned below:
   - Value of the IE **utran_DRX_CycleLengthCoeff** is set to 3.
   - Value of the IE max **AllowedUL_TX_Power** is set to 33dBm.
   - IEs **New_C-RNTI** and **ActivationTime** are set to OMIT.
2. A timer **t_WaitS** is started before receiving the message UTRAN MOBILITY INFORMATION CONFIRM in step 7 and a FAIL branch is added for the expiry of timer **t_WaitS**.

Consequences if not approved:	⌘	The TTCN will not be conformant to the prose (34.123-1).

Clauses affected:	⌘	N.A.			
Other specs affected:	⌘	**Y** / **N**	Other core specifications	⌘	
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1:

PDU Constraint Declaration	ASN.1 PDU Constraint Declaration
Reason for change	1. Content of the message **Physical Channel Reconfiguration** used used in ts_TransitToURA_PCH_P17_P18 to move the UE to state URA_PCH (state 6-13) needs to modify to conform with the approved CR T1-040906 on 3GPP TS 34.108. • IE UTRAN DRX CYCLE LENGTH COEFFICIENT should be present and value will be 3. • IE max AllowedUL_TX_Power has to be present and value will be 33dBm. • IE New C-RNTI and Activation time should not be present.
Summary of change	1. Modified the ASN.1 PDU Constraint Declaration **cs_PhyChReconfURA_PCH** as mentioned below: • Value of the IE **utran_DRX_CycleLengthCoeff** is set to 3. • Value of the IE max **AllowedUL_TX_Power** is set to 33dBm. • IEs **New_C-RNTI** and **ActivationTime** are set to OMIT.
Source of change	New change

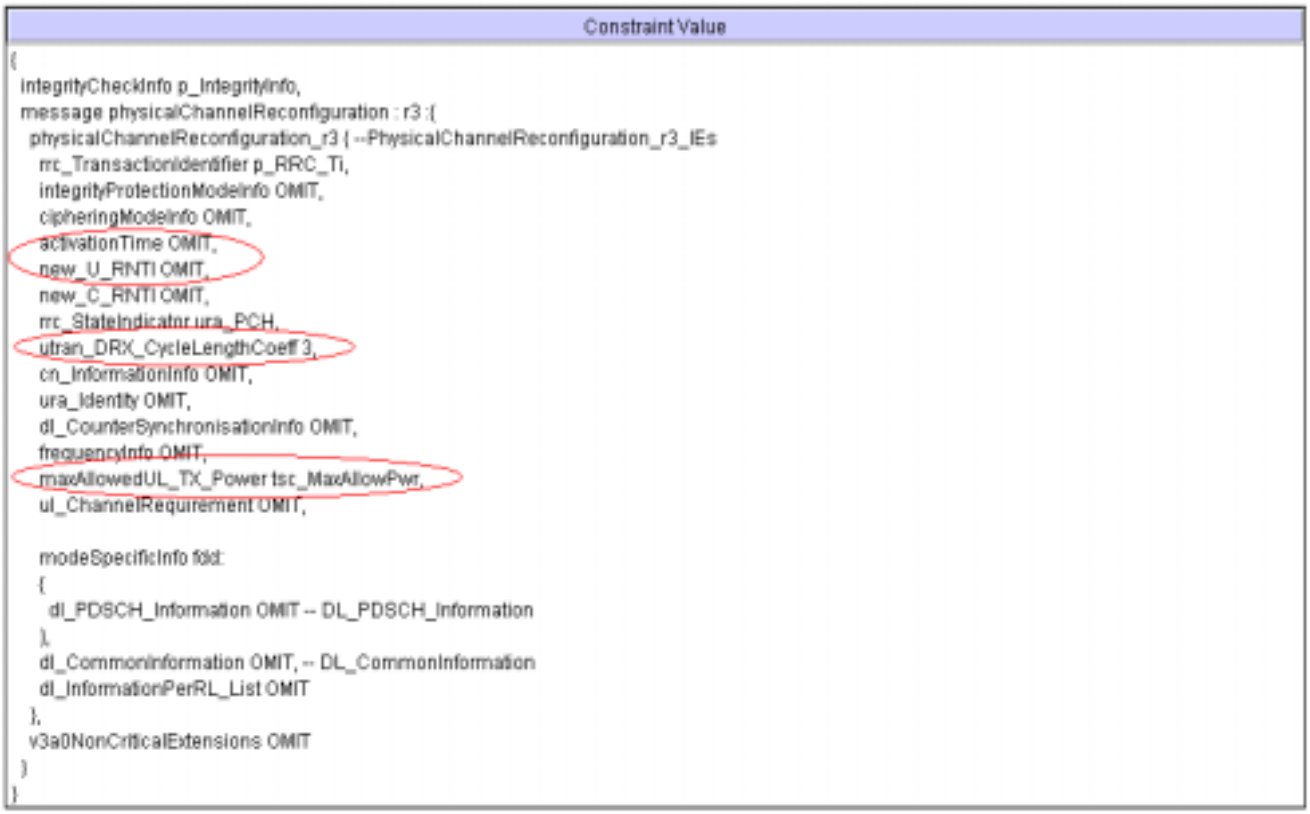
TTCN before change:

Constraint Value

```
{
 integrityCheckInfo p_IntegrityInfo,
 message physicalChannelReconfiguration : r3 :{
  physicalChannelReconfiguration_r3 { --PhysicalChannelReconfiguration_r3_IEs
    rrc_TransactionIdentifier p_RRC_TI,
    integrityProtectionModeInfo OMIT,
    cipheringModeInfo OMIT,
    activationTime p_ActTime,
    new_U_RNTI OMIT,
    new_C_RNTI p_CRNTI_New,
    rrc_StateIndicator ura_PCH,
    utran_DRX_CycleLengthCoeff 7,
    cn_InformationInfo OMIT,
    ura_Identity OMIT,
    dl_CounterSynchronisationInfo OMIT,
    frequencyInfo OMIT,
    maxAllowedUL_TX_Power OMIT,
    ul_ChannelRequirement OMIT,

    modeSpecificInfo fdd:
    {
     dl_PDSCH_Information OMIT -- DL_PDSCH_Information
    },
    dl_CommonInformation OMIT, -- DL_CommonInformation
    dl_InformationPerRL_List OMIT
   },
  v3a0NonCriticalExtensions OMIT
 }
}
```

TTCN after change:



Constraint Value

```
{
 integrityCheckInfo p_IntegrityInfo,
 message physicalChannelReconfiguration : r3 :{
  physicalChannelReconfiguration_r3 { --PhysicalChannelReconfiguration_r3_IEs
    rrc_TransactionIdentifier p_RRC_TI,
    integrityProtectionModeInfo OMIT,
    cipheringModeInfo OMIT,
    activationTime OMIT,
    new_U_RNTI OMIT,
    new_C_RNTI OMIT,
    rrc_StateIndicator ura_PCH,
    utran_DRX_CycleLengthCoeff 3,
    cn_InformationInfo OMIT,
    ura_Identity OMIT,
    dl_CounterSynchronisationInfo OMIT,
    frequencyInfo OMIT,
    maxAllowedUL_TX_Power tsc_MaxAllowPwr,
    ul_ChannelRequirement OMIT,

    modeSpecificInfo fdd:
    {
      dl_PDSCH_Information OMIT -- DL_PDSCH_Information
    },
    dl_CommonInformation OMIT, -- DL_CommonInformation
    dl_InformationPerRL_List OMIT
  },
  v3a0NonCriticalExtensions OMIT
 }
}
```

Change 2:

Local Tree and Test step	Local tree lt_TestBody
Reason for change	1. In line #24 of TC 8.3.1.31 a timer t_WaitS (used to handle the receive message UTRAN MOBILITY INFORMATION CONFIRM in step 7) is cancelled which was before not started. Thus it is required to start the timer t_WaitS before receiving the message UTRAN MOBILITY INFORMATION CONFIRM in step 7 and to add a FAIL branch for the expiry of timer t_WaitS.
Summary of change	1. A timer **t_WaitS** is started before receiving the message UTRAN MOBILITY INFORMATION CONFIRM in step 7 and a FAIL branch is added for the expiry of timer **t_WaitS**.
Source of change	New change

TTCN before change:

8		UM ! RLC_UM_DATA_REQ (tcv_CellInfoA.uRNTI := c_U_RNTI_5, tcv_CellInfoA.cRNTI := tsc_CRNTI_1)	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cds_CellUpdateCnfNewURNTI_DCCH_URAId (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, c_U_RNTI_5 , tsc_CRNTI_1, cell_FACH , OMIT, OMIT))		Step 6; SS sends CELL UPDATE CONFIRM @sic Jitendra CR# T1-301909 sic@
9		+ts_RRC_Delay(30)			
10		+ts_CMAC_New_RNTI_Reconf(FALSE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			SS has valid C-RNTI, SS reconfiguration to use CRNTI
11		AM ? RLC_AM_DATA_IND CANCEL t_WaitS	car_RRC_UtranMobilityInfoCnf(tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_TI))	(P)	Step 7 . UE sends UTRAN MOBILITY INFORMATION CONFIRM message

TTCN after change:

8		UM ! RLC_UM_DATA_REQ (tcv_CellInfoA.uRNTI := c_U_RNTI_5, tcv_CellInfoA.cRNTI := tsc_CRNTI_1)	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1 , cds_CellUpdateCnfNewURNTI_DCCH_URAId (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, c_U_RNTI_5 , tsc_CRNTI_1, cell_FACH , OMIT, OMIT))		Step 6; SS sends CELL UPDATE CONFIRM @sic Jitendra CR# T1-301909 sic@
9		+ts_RRC_Delay(30)			
10		+ts_CMAC_New_RNTI_Reconf(FALSE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			SS has valid C-RNTI, SS reconfiguration to use CRNTI
11		START t_WaitS			
12		? TIMEOUT t_WaitS		(F)	
12		AM ? RLC_AM_DATA_IND CANCEL t_WaitS	car_RRC_UtranMobilityInfoCnf(tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_TI))	(P)	Step 7 . UE sends UTRAN MOBILITY INFORMATION CONFIRM message

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **417** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Package 2 RAB test case 14.4.3 to assign tcv_CN_Domain.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	26/07/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	In the TTCN, tcv_CN_Domain is assigned based on the PIXIT px_CN_DomainTested in the test step ts_AssignCN_Domain. As this test case configures PS RAB, tcv_CN_Domain should be assigned to ps_domain independent of PIXIT px_CN_DomainTested.
Summary of change:	⌘	At row 3 of the TTCN, instead of using test step ts_AssignCN_Domain, tcv_CN_Domain is assigned to ps_domain.
Consequences if not approved:	⌘	Test case may fail to test conformant UE.

Clauses affected:	⌘	None

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

1.1 Change 1

Test Step	tc_14_4_3
Reason for change	In the TTCN, tcv_CN_Domain is assigned based on the PIXIT px_CN_DomainTested in the test step ts_AssignCN_Domain. As this test case configures PS RAB, tcv_CN_Domain should be assigned to ps_domain independent of PIXIT px_CN_DomainTested.
Summary of change	At row 3 of the TTCN, instead of using test step ts_AssignCN_Domain, tcv_CN_Domain is assigned to ps_domain.
Source of change	New change

Before:

Test Case	
Test Case Id:	tc_14_4_3
Test Group Reference:	CombinationsOnSCCPCH/
Purpose:	To verify establishment and data transfer of reference radio bearer configuration as specified in TS 34.108, clauses 6 .10.2.4.3.3 and 6.10.2.4.4.1 for the case when one SCCPCH is used in this SYSTEM INFORMATION (BCCH) configur ation. The SCCPCH carries the PCH, the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs o n CCCH/ DCCH/ BCCH. To be able to test the downlink radio bearer using the UE loopback function, the reference radio bearer configuration according to TS 34.108, clause 6.10.2.4.4.1 (Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DC CH on PRACH) is used in uplink.
Configuration:	
Defaults:	RRC_Def1
Comments:	

Nr	Lab...	Behaviour Description	...	...	Comments
1		START t_Guard(300)			
2		+ts_InitVariables			
3		+ts_AssignCN_Domain			Sets domain for testing
4		+lt_Interactive			@sic ER 1574 sic@
5		+lt_Background			

After:

Test Case	
Test Case Id:	tc_14_4_3
Test Group Reference:	CombinationsOnSCCPCH/
Purpose:	To verify establishment and data transfer of reference radio bearer configuration as specified in TS 34.108, clauses 6 .10.2.4.3.3 and 6.10.2.4.4.1 for the case when one SCCPCH is used in this SYSTEM INFORMATION (BCCH) configur ation. The SCCPCH carries the PCH, the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs o n CCCH/ DCCH/ BCCH. To be able to test the downlink radio bearer using the UE loopback function, the reference radio bearer configuration according to TS 34.108, clause 6.10.2.4.4.1 (Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DC CH on PRACH) is used in uplink.
Configuration:	
Defaults:	RRC_Def1
Comments:	

...	La...	Behaviour Description	...	...	Comments
1		START t_Guard(300)			
2		+ts_InitVariables			
3		(tcv_CN_Domain := ps_domain)			Sets domain for testing
4		+lt_Interactive			@sic ER 1574 sic@
5		+lt_Background			

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** **418** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Addition of a delay after reception of an RRC Connection Release Complete Message
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	27/07/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	Once TTCN has received an RRC Connection Release Complete Message the local configuration is reset by the System Simulator. On the other hand, in AM mode, the reception of the RRC Connection Complete message is acknowledged by the RLC of the SS. In case the local configuration is changed too fast by the TTCN, the RLC acknowledgement may not be transmitted successfully to the UE. As a consequence the UE continues to expect an acknowledgement from the SS. This will make the UE request outstanding messages by sending appropriate RLC STATUS PDUs. These will interfere with subsequent activities, e.g. an RRC Connection Setup procedure.
Summary of change:	⌘	In all appropriate test cases and test steps a delay is added which prevents the TTCN from releasing the configuration too early. Test cases: tc_8_1_3_5, tc_8_2_3_15, tc_8_3_1_22 Test steps: ts_RRC_ConnRel, ts_RRC_ConnRelAfterSwitchOff, ts_RRC_ConnRelCau, ts_RRC_ConnRelNoNAS, po_ConnectionAndSS_Rel, po_ConnectionAndSS_Rel_17_2_7a, po_ConnectionAndSS_RelWithoutIntegrity, ts_C2_CheckCellFACH. Note that the suggested change has been validated partly. It may be necessary to fine tune the proposed solution. MCC160 is invited to find a suitable name for the timer value constant.
Consequences if not approved:	⌘	Conformant UEs may fail these test cases resp. test cases using the affected test steps.

Clauses affected:	⌘	N/A

		Y	N			
Other specs affected:	⌘		X	Other core specifications	⌘	
			X	Test specifications		
			X	O&M Specifications		
Other comments:	⌘					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

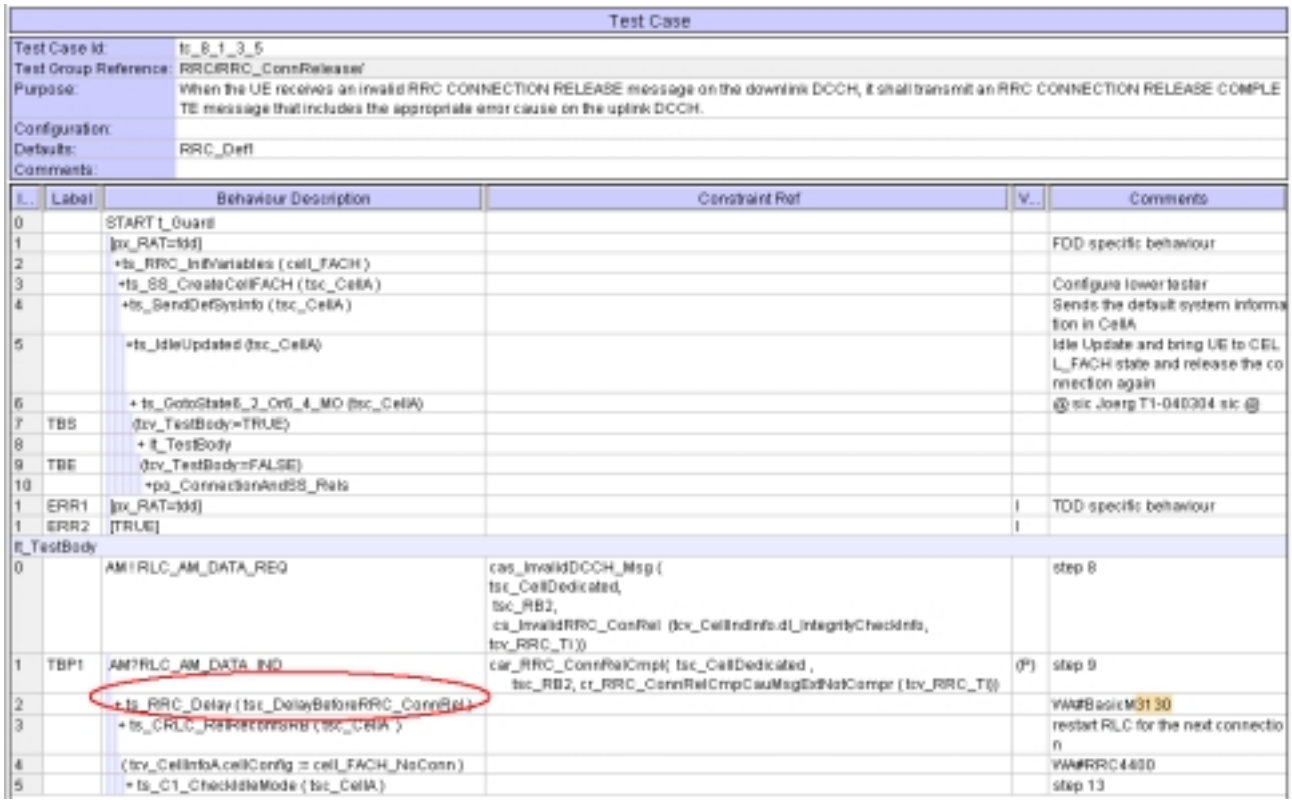
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Note: The changes are shown hereafter. As only additions of 1 line of code have been made, the situation before the change is not shown.

Change 1: tc_8_1_3_5

Test case name	tc_8_1_3_5
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

After change 1:



Test Case

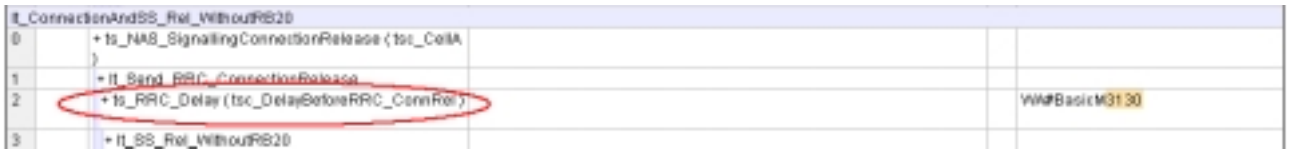
Test Case Id:	tc_8_1_3_5
Test Group Reference:	RRC/RRC_ConnRelease/
Purpose:	When the UE receives an invalid RRC CONNECTION RELEASE message on the downlink DCCH, it shall transmit an RRC CONNECTION RELEASE COMPLETE message that includes the appropriate error cause on the uplink DCCH.
Configuration:	
Defaults:	RRC_Def
Comments:	

I..	Label	Behaviour Description	Constraint Ref	V..	Comments
0		START t_Guard			
1		[px_RAT=fdd]			FDD specific behaviour
2		+ts_RRC_InitVariables (cell_FACH)			
3		+ts_SS_CreateCellFACH (tsc_CellA)			Configure lower tester
4		+ts_SendDefSysInfo (tsc_CellA)			Sends the default system information in CellA
5		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to CELL_FACH state and release the connection again
6		+ ts_GotoState6_2_On5_4_MO (tsc_CellA)			@ sic Joerg T1-040304 sic @
7	TBS	(tcv_TestBody=TRUE)			
8		+ tt_TestBody			
9	TBE	(tcv_TestBody=FALSE)			
10		+pa_ConnectionAndSS_Rels			
1	ERR1	[px_RAT=fdd]		I	TDD specific behaviour
1	ERR2	[TRUE]		I	
tt_TestBody					
0		AM!RLC_AM_DATA_REQ	cas_InvalidDCCH_Msg (tsc_CellDedicated, tsc_RB2, cs_InvalidRRC_ConRel (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_T))		step 8
1	TBP1	AM?RLC_AM_DATA_IND	car_RRC_ConnRelCmpl(tsc_CellDedicated , tsc_RB2, cr_RRC_ConnRelCmpCauMsgExtNotCompr (tcv_RRC_T))	(P)	step 9
2		+ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WA#BasicM3130
3		+ ts_CRLC_ReEstablishRB (tsc_CellA)			restart RLC for the next connection
4		(tcv_CellInfoA.cellConfig = cell_FACH_NoConn)			WA#RRC4400
5		+ ts_C1_CheckIdleMode (tsc_CellA)			step 13

Change 2: tc_8_2_3_15

Test case name	tc_8_2_3_15
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

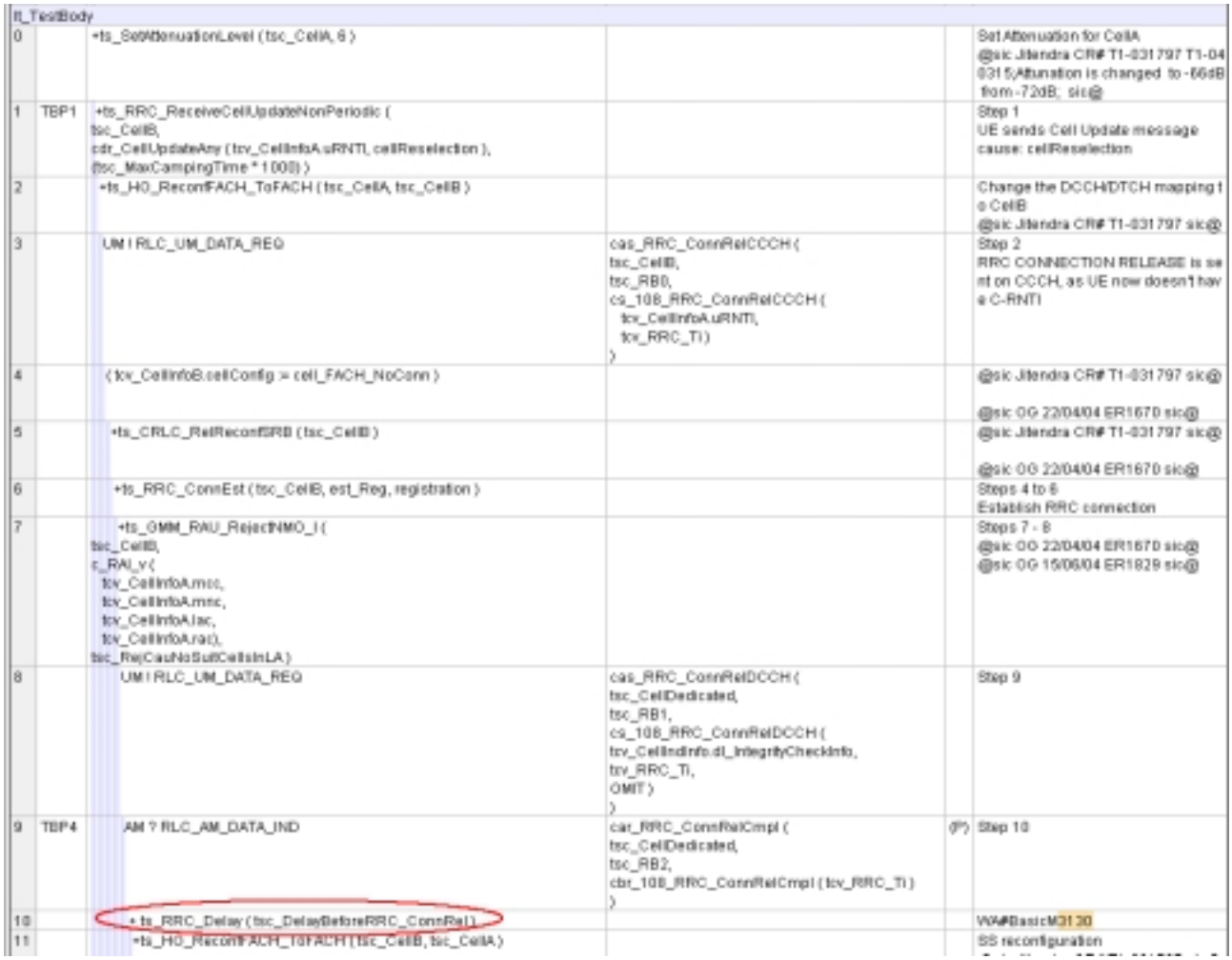
After change 2:



Change 3: tc_8_2_3_15

Test case name	tc_8_3_1_22
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

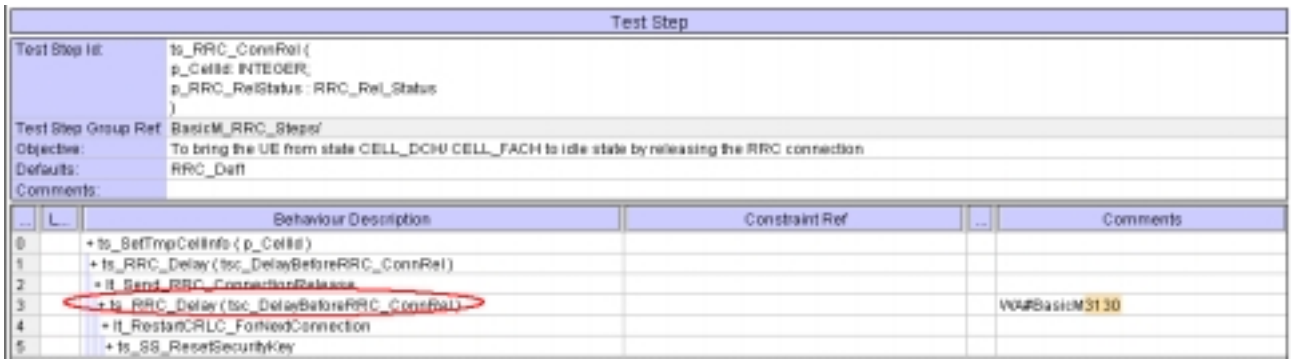
After change 3:



Change 4: ts_RRC_ConnRel

Test case name	ts_RRC_ConnRel
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

After change 4:



Test Step

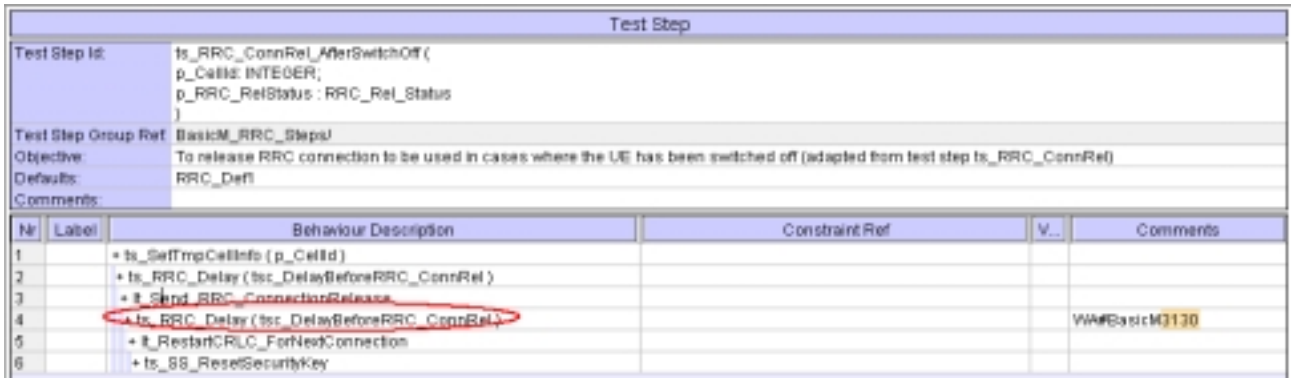
Test Step Id:	ts_RRC_ConnRel (p_CellId: INTEGER; p_RRC_RelStatus : RRC_Rel_Status)
Test Step Group Ref:	BasicM_RRC_Steps/
Objective:	To bring the UE from state CELL_DCH/ CELL_FACH to idle state by releasing the RRC connection
Defaults:	RRC_Def1
Comments:	

	L..	Behaviour Description	Constraint Ref	..	Comments
0		+ ts_SetTmpCellInfo (p_CellId)			
1		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			
2		+ lt_Send_RRC_ConnectionRelease			
3		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WA#BasicM3130
4		+ lt_RestartCRLC_ForNextConnection			
5		+ ts_SS_ResetSecurityKey			

Change 5: ts_RRC_ConnRelAfterSwitchOff

Test case name	ts_RRC_ConnRelAfterSwitchOff
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

After change 5:



Test Step

Test Step Id:	ts_RRC_ConnRel_AfterSwitchOff (p_CellId: INTEGER; p_RRC_RelStatus : RRC_Rel_Status)
Test Step Group Ref:	BasicM_RRC_Steps/
Objective:	To release RRC connection to be used in cases where the UE has been switched off (adapted from test step ts_RRC_ConnRel)
Defaults:	RRC_Def1
Comments:	

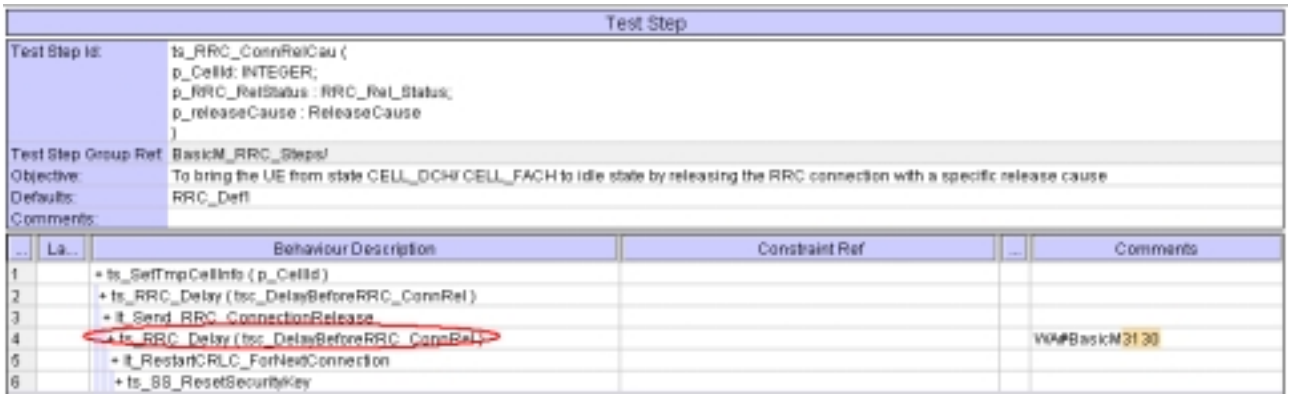
Nr	Label	Behaviour Description	Constraint Ref	V...	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			
3		+ lt_Send_RRC_ConnectionRelease			
4		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WA#BasicM3130
5		+ lt_RestartCRLC_ForNextConnection			
6		+ ts_SS_ResetSecurityKey			

Change 6: ts_RRC_ConnRelCau

Test case name	ts_RRC_ConnRelCau
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.

Summary of change	Delay of 1 second added.

After change 6:

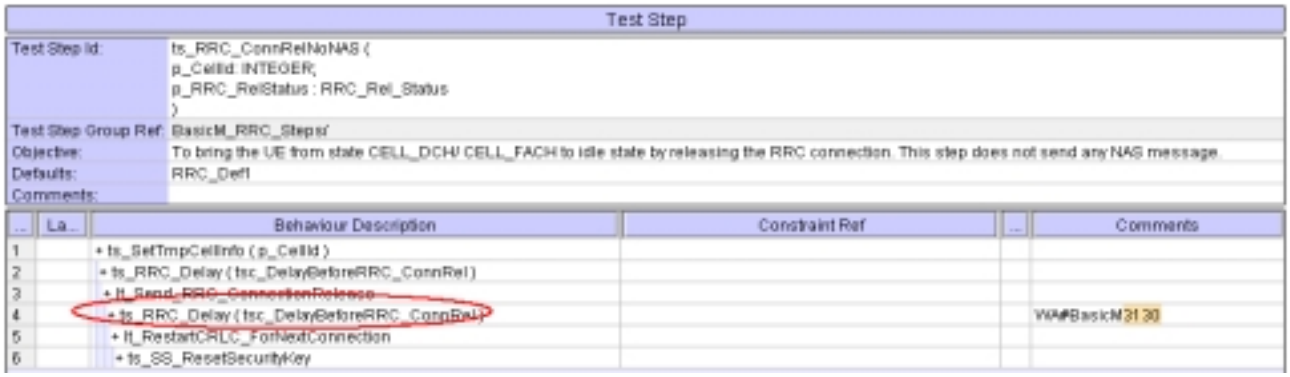


Test Step				
Test Step Id:	ts_RRC_ConnRelCau (p_CellId: INTEGER; p_RRC_RelStatus : RRC_Rel_Status; p_releaseCause : ReleaseCause)			
Test Step Group Ref:	BasicM_RRC_Steps/			
Objective:	To bring the UE from state CELL_DCH/ CELL_FACH to idle state by releasing the RRC connection with a specific release cause			
Defaults:	RRC_Def1			
Comments:				
..	La...	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			
3		+ lt_Send_RRC_ConnectionRelease			
4		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WA#BasicM3130
5		+ lt_RestartCRLC_ForNextConnection			
6		+ ts_SS_ResetSecurityKey			

Change 7: ts_RRC_ConnRelNoNAS

Test case name	ts_RRC_ConnRelNoNAS
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

After change 7:

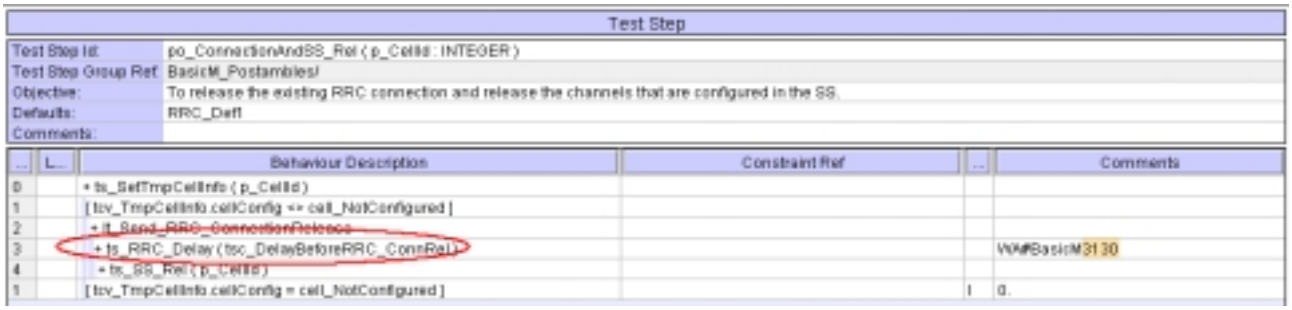


Test Step				
Test Step Id:	ts_RRC_ConnRelNoNAS (p_CellId: INTEGER; p_RRC_RelStatus : RRC_Rel_Status)			
Test Step Group Ref:	BasicM_RRC_Steps/			
Objective:	To bring the UE from state CELL_DCH/ CELL_FACH to idle state by releasing the RRC connection. This step does not send any NAS message.			
Defaults:	RRC_Def1			
Comments:				
..	La...	Behaviour Description	Constraint Ref	..	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			
3		+ lt_Send_RRC_ConnectionRelease			
4		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WA#BasicM3130
5		+ lt_RestartCRLC_ForNextConnection			
6		+ ts_SS_ResetSecurityKey			

Change 8: po_ConnectionAndSS_Rel

Test case name	po_ConnectionAndSS_Rel
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

After change 8:



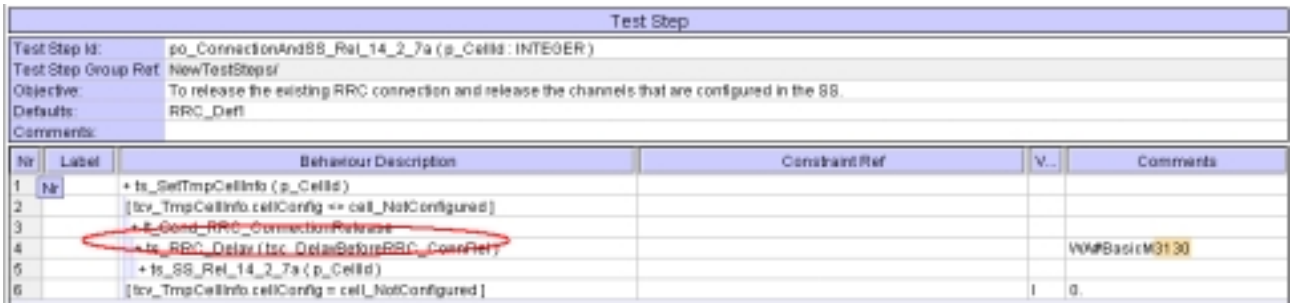
Test Step				
Test Step Id:	po_ConnectionAndSS_Rel (p_CellId : INTEGER)			
Test Step Group Ref:	BasicM_Postambles/			
Objective:	To release the existing RRC connection and release the channels that are configured in the SS.			
Defaults:	RRC_Def/			
Comments:				

..	L..	Behaviour Description	Constraint Ref	..	Comments
0		+ ts_SetTmpCellInfo (p_CellId)			
1		[tcv_TmpCellInfo.cellConfig <= cell_NotConfigured]			
2		+ tl_Send_RRC_ConnectionRelease			
3		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WAPBasicM3130
4		+ ts_SS_Rel (p_CellId)			
1		[tcv_TmpCellInfo.cellConfig = cell_NotConfigured]		I	0.

Change 9: po_ConnectionAndSS_Rel_14_2_7a

Test case name	po_ConnectionAndSS_Rel_14_2_7a
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

After change 9:



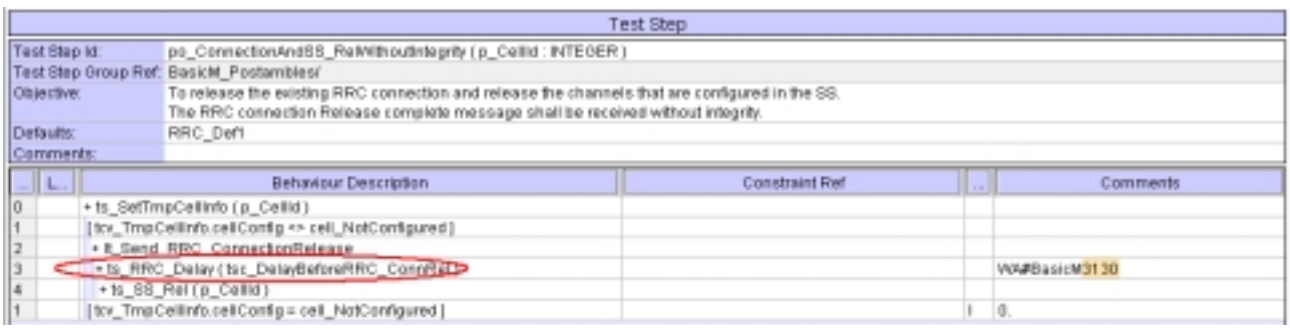
Test Step				
Test Step Id:	po_ConnectionAndSS_Rel_14_2_7a (p_CellId : INTEGER)			
Test Step Group Ref:	NewTestSteps/			
Objective:	To release the existing RRC connection and release the channels that are configured in the SS.			
Defaults:	RRC_Def/			
Comments:				

Nr	Label	Behaviour Description	Constraint Ref	V..	Comments
1	Nr	+ ts_SetTmpCellInfo (p_CellId)			
2		[tcv_TmpCellInfo.cellConfig <= cell_NotConfigured]			
3		+ tl_Send_RRC_ConnectionRelease			
4		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WAPBasicM3130
5		+ ts_SS_Rel_14_2_7a (p_CellId)			
6		[tcv_TmpCellInfo.cellConfig = cell_NotConfigured]		I	0.

Change 10: po_ConnectionAndSS_RelWithoutIntegrity

Test case name	po_ConnectionAndSS_RelWithoutIntegrity
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

After change 10:



Test Step				
Test Step Id:	po_ConnectionAndSS_RelWithoutIntegrity (p_CellId : INTEGER)			
Test Step Group Ref:	BasicM_Postambles/			
Objective:	To release the existing RRC connection and release the channels that are configured in the SS. The RRC connection Release complete message shall be received without integrity.			
Defaults:	RRC_Def/			
Comments:				

..	L..	Behaviour Description	Constraint Ref	..	Comments
0		+ ts_SetTmpCellInfo (p_CellId)			
1		[tcv_TmpCellInfo.cellConfig <= cell_NotConfigured]			
2		+ tl_Send_RRC_ConnectionRelease			
3		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WAPBasicM3130
4		+ ts_SS_Rel (p_CellId)			
1		[tcv_TmpCellInfo.cellConfig = cell_NotConfigured]		I	0.

Change 11: ts_C2_CheckCellFACH

Test case name	ts_C2_CheckCellFACH
Reason for change	Release of local configuration upon reception of RRC Connection Release Complete potentially too fast.
Summary of change	Delay of 1 second added.

After change 11:

Test Step

Test Step Id:	ts_C2_CheckCellFACH (p_CellId : INTEGER)
Test Step Group Ref:	RRCM_GenericAnnexC/
Objective:	Verify that UE is in CELL_FACH State
Defaults:	RRC_Def1
Comments:	

..	L..	Behaviour Description	Constraint Ref	..	Comments
0		+ ts_SetTmpCellInfo (p_CellId)			
1		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			
2		UM ! RLC_UM_DATA_REQ START t_Wait(MS	cas_RRC_ConnRelDCCH (tsc_CellDedicated, tsc_RB1, cs_108_RRC_ConnRelDCCH (tcv_CellIndInf o.dl_IntegrityCheckInfo, tcv_RRC_TI, OMIT))		step 1
3	TSP	AM ? RLC_AM_DATA_IND CANCEL t_Wait(MS	car_RRC_ConnRelCmpl (tsc_CellDedicated, tsc_RB2, cbr_108_RRC_ConnRelCmpl (tcv_RRC_TI))	(P)	step 2
4		+ ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRel)			WAIBasicM3130
5		+ tl_RestartCRLC_ForNextConnection			
3		? TIMEOUT t_Wait(MS			

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR** 419 ⌘ **rev** - ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	General correction for test cases where UE is switched off Cell(s) relased and reconfigured
Source:	⌘	MCC 160
Work item code:	⌘	N/A
Date:	⌘	26/07/04
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	Many Rab PS test cases are to be executed in two loops. One for Interactive bearer and next for Background. For this after first loop the UE is switched off in the test case body. Cell is released on SS side. And then for next loop the Cell is configured. This will result in call of MMI commands to switch off, an already switched off UE
Summary of change:	⌘	1. New test case variable tcv_UE_SwitchedOn. 2. ts_MMI_UE_SwitchOff changed to check the UE status. If it is On, switch Off the UE, and make UE status as Off. 3. ts_MMI_UE_SwitchOn changed to check the UE status. If it is Off, switch On the UE, and make UE status as On.
Consequences if not approved:	⌘	Test case may fail to test conformant UE.

Clauses affected:	⌘	None

		Y	N		
Other specs affected:	⌘		X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	

Other comments:	⌘	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

1.1 Change 1

Test case variable	tcv_UE_SwitchedOn
Reason for addition	In this test case while executing the test step ts_RB_InitTest_1SCCPCH from the local tree lt_Background a paging message for terminatingInteractiveCall is sent from the TTCN. Thus an “Interactive” RAB is established instead of a “Background” type.
Summary of change	New TCV added
Source of change	New change

Variable Name	tcv_UE_SwitchedOn
Type	BOOLEAN
Value	TRUE
Comments	This value is to represent the state of the UE. TRUE means UE is Switched On, and hence only Switch OFF operation can be done, and no Switch On operation. False Means, UE is off, and only Switch On Operation can be done. The dafault value of ON, is consistent with present Test Sequence, where MMI command to switch off is called before creation of the first cell on SS Side.

1.2 Change 2

Test Step	ts_MMI_UE_SwitchOff
Reason for change	Refer to cover sheet.
Summary of change	Row 1, 4 and 5 added
Source of change	New change

Test Step Name	ts_MMI_UE_SwitchOff
Group	BasicM_UT_Steps/
Objective	To make the operator switch off the UE
Default	UT_OtherwiseFail
Comments	
Description	To make the operator switch off the UE, if it is presently ON

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[tcv_UE_SwitchedOn = TRUE]			UE is ON
2		Ut ! MMI_CmdReq	ca_MMI_CmdReq ("Please switch off the UE")		
3		Ut ? MMI_CmdCnf	ca_MMI_CmdCnf		
4		(tcv_UE_SwitchedOn :=			UE is now

		FALSE)			OFF
5		[TRUE]			UE is Already OFF
Detailed Comments					

1.3 Change 3

Test Step	ts_MMI_UE_SwitchOn
Reason for change	Refer to cover sheet.
Summary of change	Row 1, 4 and 5 added
Source of change	New change

Test Step Name	ts_MMI_UE_SwitchOn
Group	BasicM_UT_Steps/
Objective	To make the operator switch on the UE
Default	UT_OtherwiseFail
Comments	
Description	To make the operator switch on the UE, if it is presently OFF

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[tcv_UE_SwitchedOn = FALSE]			UE is OFF
2		Ut ! MMI_CmdReq	ca_MMI_CmdReq ("Please switch on the UE")		
3		Ut ? MMI_CmdCnf	ca_MMI_CmdCnf		
4		(tcv_UE_SwitchedOn := TRUE)			UE is now ON
5		[TRUE]			UE is Already ON
Detailed Comments					

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **422** ⌘ **rev** **-** ⌘ Current version: **3.6.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction to Approved RRC Package 2 TC 8.3.1.22
Source:	⌘	Ericsson
Work item code:	⌘	TEI
Date:	⌘	02/08/2004
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	At T1#23 meeting the CR T1-040950 for TC 12.4.2.5a (Test procedure 1) was approved but the same issue is also valid for TC 8.3.1.22. When the routing area update procedure is rejected with cause 15 (No Suitable Cells In Location Area) in cell B in TC 8.3.1.22 then the Update Status is set to U3 ROAMING NOT ALLOWED in the UE. When UE camp on cell A again it could still be IMSI attached in the SS but from an UE point of view it can be considered as not updated and thus would use type 'combined RA/LA update with IMSI attach' to ensure that the MSC-SGSN association will be updated. An update of the MSC is required to set Update Status to U3 UPDATED. Thus the UE may use the update type ‘Combined RA/LA updating with IMSI attach’ in message ROUTING AREA UPDATE REQUEST. in step 14.
Summary of change:	⌘	Changed the constraints for checking the RAU REQUEST to accept any Update type as GMM behaviour should not be tested in RRC test suite.
Consequences if not approved:	⌘	TC will fail a conformant UE.

Clauses affected:	⌘	tc_8_3_1_22

Other specs affected: ⌘	Y	N	
		X	Other core specifications ⌘
		X	Test specifications
		X	O&M Specifications

Other comments:	⌘	Affects R99, Rel4 and Rel5 UEs.

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Before:

ts_GMM_RAU_AcceptNMO_I

Test Step Name	ts_GMM_RAU_AcceptNMO_I (p_CellId: INTEGER; p_Old_RAI: RAI_v)
Group	L3M_MM_GMM_Steps/
Objective	Accept the ROUTING AREA UPDATE REQUEST from UE. No P-TMSI, P-TMSI signature nor TMSI is allocated to UE.
Default	NAS_OtherwiseFail
Comments	@sic ER11829 sic@
Description	

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			@sic ER11 sic@
2		[pc_CS AND pc_PS]			Combined CS/PS rou area upda
3	TSP1	Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateTypeCombRA_LA, p_Old_RAI, tcv_PS_KeySeq))	(P)	ROUTING A UPDATING REQUEST - Update 'Combined LA/RA updating' - RAI of previous @sic ER11 sic@
4		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
5		+ ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)			
6		+ ts_SetTmpCellInfo (p_CellId)			
7		Dc ! RRC_DataReq	ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3 (c_GMM_UpdateResultCombRA_LA, c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.mnc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac),		ROUTING A UPDATING ACCEPT - type is 'Combined LA/RA updated' - RAI correspon

			-, -, -))		to p_Cell @sic ER11 sic@
8		[pc_PS]			PS routin area upda
9	TSP2	Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer (tsc_CellDedicated, tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateTypeRA_Updating, p_Old_RAI, tcv_PS_KeySeq))	(P)	ROUTING A UPDATING REQUEST - Update 'RA updat - RAI of previous cell
10		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
11		+ ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)			
12		+ ts_SetTmpCellInfo (p_CellId)			
13		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3(c_GMM_UpdateResultRA_Updated, c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.mnc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac), -, -, -))		ROUTING A UPDATING ACCEPT - type is updated' - RAI correspon to p_Cell
14	ERR1	[TRUE]		I	

Detailed Comments	

After:

ts_GMM_RAU_AcceptNMO_I

Test Step Name	ts_GMM_RAU_AcceptNMO_I (p_CellId: INTEGER; p_Old_RAI: RAI_v)
Group	L3M_MM_GMM_Steps/
Objective	Accept the ROUTING AREA UPDATE REQUEST from UE. No P-TMSI, P-TMSI signature nor TMSI is allocated to UE.
Default	NAS_OtherwiseFail
Comments	@sic ER11829 sic@

Description					
Nr	**Label**	**Behaviour Description**	**Constraints Ref**	**Verdict**	**Comments**
1		+ ts_SetTmpCellInfo (p_CellId)			@sic ER11 sic@
2		[pc_CS AND pc_PS]			Combined CS/PS rou area upda
3	TSP1	Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateTypeCombRA_LA, p_Old_RAI, tcv_PS_KeySeq))	(P)	ROUTING A UPDATING REQUEST - Any Upd type - RAI of previous @sic ER11 sic@
4		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
5		+ ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)			
6		+ ts_SetTmpCellInfo (p_CellId)			
7		Dc ! RRC_DataReq	ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3 (c_GMM_UpdateResultCombRA_LA, c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.mnc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac), -, -, -))		ROUTING A UPDATING ACCEPT - type is 'Combined LA/RA updated' - RAI correspon to p_Cell @sic ER11 sic@
8		[pc_PS]			PS routin area upda
9	TSP2	Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer (tsc_CellDedicated, tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateTypeRA_Updating, p_Old_RAI, tcv_PS_KeySeq))	(P)	ROUTING A UPDATING REQUEST - Any upd type - RAI of previous cell
10		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
11		+ ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE,			

		ps_domain)			
12		+ ts_SetTmpCellInfo (p_CellId)			
13		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3(c_GMM_UpdateResultRA_Updated, c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.mnc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac), -, -, -))		ROUTING A UPDATING ACCEPT - type is updated' - RAI correspon to p_Cell
14	ERR1	[TRUE]		I	
Detailed Comments					

Before:

c_GMM_UpdateTypeCombRA_LA

Constraint Name	c_GMM_UpdateTypeCombRA_LA		
Structured Type	UpdateType_v		
Derivation Path			
Encoding Variation			
Comments			
Element Name	**Element Value**	**Element Encoding**	**Comments**
for	'0'B		No follow on request
value	'001'B		Combined RA/LA updating
Detailed Comments			

After:

c_GMM_UpdateTypeCombRA_LA

Constraint Name	c_GMM_UpdateTypeCombRA_LA
Structured Type	UpdateType_v

Derivation Path			
Encoding Variation			
Comments			
Element Name	**Element Value**	**Element Encoding**	**Comments**
for	'0'B		No follow on request
value	'???'B		Any RA/LA updating type
Detailed Comments			

Before:

c_GMM_UpdateTypeRA_Updating

Constraint Name	c_GMM_UpdateTypeRA_Updating		
Structured Type	UpdateType_v		
Derivation Path			
Encoding Variation			
Comments			
Element Name	**Element Value**	**Element Encoding**	**Comments**
for	'0'B		No follow on request
value	'000'B		RA updating
Detailed Comments			

After:

c_GMM_UpdateTypeRA_Updating

Constraint Name	c_GMM_UpdateTypeRA_Updating		
Structured Type	UpdateType_v		
Derivation Path			
Encoding Variation			
Comments			
Element Name	**Element Value**	**Element Encoding**	**Comments**
for	'0'B		No follow on request
value	'???'B		Any RA updating
Detailed Comments			

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **420** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Corrections to RRC Package 3 TC 8.4.1.29 and 8.4.1.30.
Source:	⌘	Anite
Work item code:	⌘	N/A
Date:	⌘	5/08/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

1. The teststep ts_GMM_Authentication stores the value of keys in tcv_PS_AuthCK and tcv_PS_AuthIK which should be passed to ts_RRC_Security.However, ts_RRC_Security is called with tcv_AuthCK and tcv_AuthIK which is incorrect.

2. Dependency of test case 8.4.1.29 on PIXIT px_RB_InteractiveOrBackground has to be avoided since for this particular test case value needed for px_RB_InteractiveOrBackground is a random bitstring of size 1440 bits.

3. TS 34.123-1 specification defines contents of MEASUREMENT REPORT message at step 3, step 4, step 4d and step 4e of test case 8.4.1.29 as

   - RLC Buffer payload: Check to see if the value is above the threshold for RB20
   - Additional Measurement results : Not checked
   - CHOICE Measurement quantity: Check to see if set to within acceptable range.

   But in TTCN

   - value of RLC Buffer pay load is not verified.
   - Additional measurement results are verified using “OMIT”
   - Value of Measurement quantity is not verified.

4. TS 34.123-1 specification defines step 4 and step 4e for test case 8.4.1.29 as “UE repeats message after 1100 ms”. But in TTCN a upperbound timer is started after reception of a RLC PDU where as a lower bound timer needs to be started immediately after the reception of MEASUREMENT REPORT

message.

5. In test case 8.4.1.29, tcv_Tolerance is hardcoded as 900ms and is added to all the timers started in the test case. The purpose of the increased tolerance is to give SS enough time to trigger traffic volume events, but the name tcv_tolerance is misleading. More over adding the same increased tolerance to timers started to confirm periodical measurement reporting at step 4 and 4e is incorrect.

6. Dependency of test case 8.4.1.30 on PIXIT px_RB_InteractiveOrBackground has to be avoided since for this particular test case value needed for px_RB_InteractiveOrBackground is a random bitstring of size 4160 bits.

7. In TS 34.123-1 section 8.4.1.30.4 specific message contents are defined for the measurement report (step4, step 5 and step 7b) to verify:

   - RLC Buffer Payload: Check to see if the value is above the threshold

   In TTCN the for above IE any value (“?”) is allowed. The TTCN needs to be modified to verify the value as requested by the test specification.

8. In TS 34.123-1 section 8.4.1.30.4 specific message contents are defined for the measurement report (step 6, step 7 and step 7d) to verify:

   - RLC Buffer Payload: Check to see if the value is below the threshold

   In TTCN the for above IE any value (“?”) is allowed. TTCN need to be modified to verify the value as requested by the test specification.

9. In TS 34.123-1 section 8.4.1.30.4 specific message contents are defined for the measurement report (step4, step 5, step 6, step 7, step 7b and step 7d) to verify:

   - Measured results on RACH: Not Checked

   - Additional Measured Results: Not Checked

   In TTCN the above IE are checked using “OMIT” . TTCN need to be modified to verify the value as requested by the test specification.

10. In TS 34.123-1 section 8.4.1.30.4 it is specified for step 5 and step 7 that:

    “UE repeats message after 2100 ms”.

    But in TTCN only Upper boundary is verified which is not required by the specification and lower boundary is not verified which is required by the specification.

11. In TTCN timer t_waitms (periodical measurement reporting timer) after step 4 and the reception of two PDU’s, which causes a inaccurate timer verification.

12. In test case 8.4.1.30, tcv_Tolerance is hardcoded as 900ms and is added to all the timers started in the test case. Purpose of the increased tolerance is to give SS enough time to trigger traffic volume events, but name tcv_tolerance is misleading. More over adding the same increased tolerance to timers started to confirm periodical measurement reporting at step 5 and 7 are wrong.

Summary of change: ⌘

1. On line 3 of ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode, tcv_PS_AuthCK and tcv_PS_AuthIK are passed as parameters to ts_RRC_Security.

2. Modified Line #9 of test case 8.4.1.29 to use TSO o_GetLeastSignificantBits to generate a random bit string of 1440 bits.

3. Modified constraint cr_MeasReportEventBasedTrafficVolume to match

		contents of MEASUREMENT REPORT message at step 3, step 4, step 4d and step 4e of test case 8.4.1.29 with 34.123-1 section 8.4.1.29.4. 4. step 4 and step 4e of test case 8.4.1.29 are modified to start a lowerbound timer immediately after the reception of MEASUREMENT REPORT message. 5. A new test case variable tcv_TriggerTimeForTrafficVolEvents is defined and replaced tcv_Tolerance in test case 8.4.1.29. Modified tolerance added to timers started for periodical measurement reporting at step 4 and 4e to normal tolerance(10%). 6. Modified Line #10 of test case 8.4.1.30 to use TSO o_GetLeastSignificantBits to generate a random bit string of 4160 bits. 7. A new local tree lt_CheckRLC_PayLoadUpper is defined to verify the value of 'RLC Buffer Payload' IE in MEASUREMENT REPORT Message is above the reporting threshold or not. This test step is called after step4, step 5 and step 7b to verify the same. 8. A new local tree lt_CheckRLC_PayLoadLower is defined to verify the value of 'RLC Buffer Payload' IE in MEASUREMENT REPORT Message is below the reporting threshold or not. This test step is called after step6, step 7 and step 7d to verify the same. 9. Constraint declaration of cdr_MeasReportTrafficVolume is modified to not check for 'Measured results on RACH' and 'Additional Measured Results' IE's in MEASUREMENT REPORT message. 10. Step 5 and 7 of test case 8.4.1.30 are modified to verify that UE sends MEASUREMENT REPORT message after 2100 ms. 11. Modified TTCN to start a lowerbound timer immediately after receiving MEASUREMENT REPORT Message. 12. Replaced tcv_Tolerance in test case 8.4.1.30 with newly defined tcv_TriggerTimeForTrafficVolEvents. Modified tolerance added to timers started for periodical measurement reporting at step 5 and 7 to normal tolerance(10%).
Consequences if not approved:	⌘	Testcases 8.4.1.29 and 8.4.1.30 may fail a conformant UE.

Clauses affected:	⌘				
Other specs affected:	⌘	**Y**	**N**		
			X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change1

Test step	In teststep ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode
Reason for change	1. The teststep ts_GMM_Authentication stores the value of keys in tcv_PS_AuthCK and tcv_PS_AuthIK which should be passed to ts_RRC_Security. However, ts_RRC_Security is called with tcv_AuthCK and tcv_AuthIK which is incorrect.
Summary of change	1. On line 3 of ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode, tcv_PS_AuthCK and tcv_PS_AuthIK are passed as parameters to ts_RRC_Security.
Source of change	new change

Before:

Test Step	
Test Step Id:	ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (p_CellId : INTEGER)
Test Step Group Ref:	RRC_Steps/
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP. @sic Thomas ER1744 sic@

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_RRC_ConnEstPS_MT_P5_P6 (p_CellId)			
2		+ ts_GMM_Authentication(p_CellId)			
3		+ts_RRC_Security(p_CellId, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			
4		+ ts_TC_ActivateRB_TestMode (p_CellId)			
5		+ ts_RRC_SetUpRAB (p_CellId , tcv_RAB_Id, tcv_RRC_RAB_Type)			

Detailed Comment:

After :

Test Step	
Test Step Id:	ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (p_CellId : INTEGER)
Test Step Group Ref:	RRC_Steps/
Objective:	
Defaults:	RRC_Def1
Comments:	@SIC_NAPP. @sic Thomas ER1744 sic@

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_RRC_ConnEstPS_MT_P5_P6 (p_CellId)			
2		+ ts_GMM_Authentication(p_CellId)			
3		+ts_RRC_Security(p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			
4		+ ts_TC_ActivateRB_TestMode (p_CellId)			
5		+ ts_RRC_SetUpRAB (p_CellId , tcv_RAB_Id, tcv_RRC_RAB_Type)			

Detailed Comment:

Change 2

Test step	tc_8_4_1_29
Reason for change	1. Dependency of test case 8.4.1.29 on PIXIT px_RB_InteractiveOrBackground has to be avoided since for this particular test case value needed for px_RB_InteractiveOrBackground is a random bitstring of size 1440 bits.
Summary of change	2. Modified Line #9 of test case 8.4.1.29 to use TSO o_GetLeastSignificantBits to generate a random bit string of 1440 bits.

Source of change	new change

Before Change:

Test Case	
Test Case Id:	tc_8_4_1_29
Test Group Reference:	RRC_Measurements/
Purpose:	1. To verify that in CELL_FACH state when event 4a triggered at TVM setup UE sends RRC: Measurement Report with correct measurement identity and indication of UL transport channel type, radio bearer identities and corresponding RLC buffer payloads in number of bytes. 2. To verify that in CELL_FACH state when event 4a triggered after TVM setup UE sends RRC: Measurement Report with correct measurement identity and indication of UL transport channel type, radio bearer identities and corresponding RLC buffer payloads in number of bytes. 3. To confirm that the UE includes in the MEASUREMENT REPORT message, measurement report in IE "Measurement results on RACH" as specified in System Information Block type 12.
Configuration:	
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT = fdd]			FDD specific behaviour
3		+ts_RRC_InitVariablesPS (cell_FACH)			
4		+ts_SS_CreateCellFACH (tsc_CellA)			Configure lower tester
5		+ts_SendDef_sysInfo_MultiCell (tsc_CellA)			Sends the default system information in CellA
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Fach state and release the connection again
7		+ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (tsc_CellA)			@sic Thomas ER1735 sic@
8		+ts_TC_CloseUE_TestLoop(tsc_CellDedicated, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup (1440, tsc_RB20))			@sic Thomas ER1736 sic@
9		(tcv_RB_Data1 := o_GetMostSignificantBits (px_RB_InteractiveOrBackground , 1440))			@sic Thomas ER1736 sic@
10		+lt_TestBody			
11		+po_ConnectionAndSS_Rels			Postamble : To release the RRC connection and all the SS configuration
12	ERR1	[px_RAT = tdd]			TDD specific behaviour
13	ERR2	[TRUE]		F	
lt_TestBody					

After Change:

Test Case	
Test Case Id:	tc_8_4_1_29
Test Group Reference:	RRC_Measurements/
Purpose:	1. To verify that in CELL_FACH state when event 4a triggered at TVM setup UE sends RRC: Measurement Report with correct measurement identity and indication of UL transport channel type, radio bearer identities and corresponding RLC buffer payloads in number of bytes. 2. To verify that in CELL_FACH state when event 4a triggered after TVM setup UE sends RRC: Measurement Report with correct measurement identity and indication of UL transport channel type, radio bearer identities and corresponding RLC buffer payloads in number of bytes. 3. To confirm that the UE includes in the MEASUREMENT REPORT message, measurement report in IE "Measurement results on RACH" as specified in System Information Block type 12.
Configuration:	
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constrai...	Verdict	Comments
1		START t_Guard			
2		[px_RAT = fdd]			FDD specific behaviour
3		+ts_RRC_InitVariablesPS (cell_FACH)			
4		+ts_SS_CreateCellFACH (tsc_CellA)			Configure lower tester
5		+ts_SendDef_sysInfo_MultiCell (tsc_CellA)			Sends the default system information in CellA
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Fach state and release the connection again
7		+ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (tsc_CellA)			@sic Thomas ER1735 sic@
8		+ts_TC_CloseUE_TestLoop(tsc_CellDedicated, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup (1440, tsc_RB2U))			@sic Thomas ER1736 sic@
9		(tcv_RB_Data1 := o_GetLeastSignificantBits(o_OctToBit(o_GetN_OctetsFromPRBS(0,180)),1440))			@sic Thomas ER1736 sic@
10		+lt_TestBody			
11		+po_ConnectionAndSS_Rels			Postamble : To release the RRC connection and all the SS configuration
12	ERR1	[px_RAT = tdd]			TDD specific behaviour
13	ERR2	[TRUE]			
lt_TestBody					

Change 3

Asn.1 PDU Constraint Declaration	In cr_MeasReportEventBasedTrafficVolume
Reason for change	1. TS 34.123-1 specification defines contents of MEASUREMENT REPORT message at step 3, step 4, step 4d and step 4e of test case 8.4.1.29 as - Additional Measurement results : Not checked But in TTCN - Additional measurement results are verified using “OMIT”
Summary of change	1. Modified constraint cr_MeasReportEventBasedTrafficVolume to match contents of MEASUREMENT REPORT message at step 3, step 4, step 4d and step 4e of test case 8.4.1.29 with 34.123-1 section 8.4.1.29.4.
Source of change	new change

Before:

```
    rb_Identity ?,
    rlc_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   },
   {
    rb_Identity ?,
    rlc_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   },
   {
    rb_Identity ?,
    rlc_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   }
  },
  measuredResultsOnRACH {
   currentCell {
    modeSpecificInfo fdd : {
     measurementQuantity cpich_RSCP : ?}
   }},
  additionalMeasuredResults OMIT,
  eventResults p_EventResults,
  v390nonCriticalExtensions *
 }
}
```

Detailed Comment:

After:

```
    rb_Identity ?,
    rlc_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   },
   {
    rb_Identity ?,
    rlc_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   },
   {
    rb_Identity ?,
    rlc_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   }
  },
  measuredResultsOnRACH {
   currentCell {
    modeSpecificInfo fdd : {
     measurementQuantity cpich_RSCP : ?}
   }},
  additionalMeasuredResults *,
  eventResults p_EventResults,
  v390nonCriticalExtensions *
 }
}
```

Detailed Comment:

Change 4:

Local Tree and Test step	In lt_TestBody, lt_CheckFirstMeasReport, lt_CheckMeasReport_Periodic of tc_8_4_1_29
Reason for change	1. TS 34.123-1 specification defines contents of MEASUREMENT REPORT message at step 3, step 4, step 4d and step 4e of test case 8.4.1.29 as - RLC Buffer payload: Check to see if the value is above the threshold for RB20

	- CHOICE Measurement quantity: Check to see if set to within acceptable range. But in TTCN - value of RLC Buffer pay load is not verified - Value of Measurement quantity is not verified. 2. TS 34.123-1 specification defines step 4 and step 4e for test case 8.4.1.29 as “UE repeats message after 1100 ms”. But in TTCN a upperbound timer is started after reception of a RLC PDU where as a lower bound timer need to be started immediately after the reception of MEASUREMENT REPORT message. 3. In test case 8.4.1.29, tcv_Tolerance is hardcoded as 900ms and is added to all the timers started in the test case. Purpose of the increased tolerance is to give SS enough time to trigger traffic volume events, but name tcv_tolerance is misleading. More over adding the same increased tolerance to timers started to confirm periodical measurement reporting at step 4 and 4e are wrong.
Summary of change	1. Defined Local tree lt_CheckRLC_PayLoadUpper to verify RLC Buffer pay load at step 3, 4, 4d and 4e.. 2. Defined Local tree lt_CheckCPICH_RSCP to verify Measurement quanity at step 3, 4, 4d and 4e. 3. Defined new test case variable tcv_RLCBuffer_PayLoad of type RLC_BuffersPayload in Test Case Variable Declaration. 4. Step 4 and step 4e of test case 8.4.1.29 are modified to start a lowerbound timer immediately after the reception of MEASUREMENT REPORT message. A new local tree lt_CheckMeasReport_Periodic is defined and is being called at steps 4 and 4e. 5. A new test case variable tcv_WaitTimeForTrafficVolEvents is defined and replaced tcv_Tolerance in test case 8.4.1.29. Modified tolerance added to timers started for periodical measurement reporting at step 4 and 4e to normal tolerance(10%).
Source of change	new change

Before:

lt_TestBody					
0	TBS	(tcv_TestBody := TRUE)			
1		+ts_SysInfoModifySIB12_MIB_RRC (tsc_CellA, 2, c_SIB12_TrafficVolume_EventBased (tcv_CellInfoA , tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoG, tcv_CellInfoH), tsc_Now)			Step 1a & 1b
2		+lt_startLoopback_data			@sic Thomas ER1737 sic@
3		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, 15 , c_TrafficVolumeMeasurementObjectList, ric_BufferPayload : NULL, TRUE, FALSE, FALSE, (ue_State all_But_Cell_DCH), trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteria (OMIT ,e4a, th8, ttt100, ptat1, tciat0_25), eventTrigger))		Step 2 in prose;
4		(tcv_Tolerance := 900)			@sic Thomas ER1738 sic@
5		START t_WaitMS (100 + tcv_Tolerance)			
6		+lt_CheckFirstMeasReport			Step 3 in prose; @sic Thomas ER1739 sic@
7		+lt_CheckMeasReport (1100)			Step 4 in prose;
8		START t_WaitMS (2200 + tcv_Tolerance)			Initialize thewait timer to 100 mseconds; @sic Thomas ER1740 sic@
9		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))	(F)	Step 4b in prose;
9		? TIMEOUT t_WaitMS		(P)	
10		+lt_CheckMeasReport (100)			Step 4d in prose;
11		+lt_CheckMeasReport(1100)			Step 4e in prose;
12		+ ts_TC_OpenUE_TestLoop (tsc_CellA)			@sic Thomas ER1741 sic@
13		+ ts_TC_DeactivateRB_TestMode (tsc_CellA)			@sic Thomas ER1741 sic@
14		+ts_C2_CheckCellFACH (tsc_CellA)			
15	TBE	(tcv_TestBody := FALSE)		(P)	

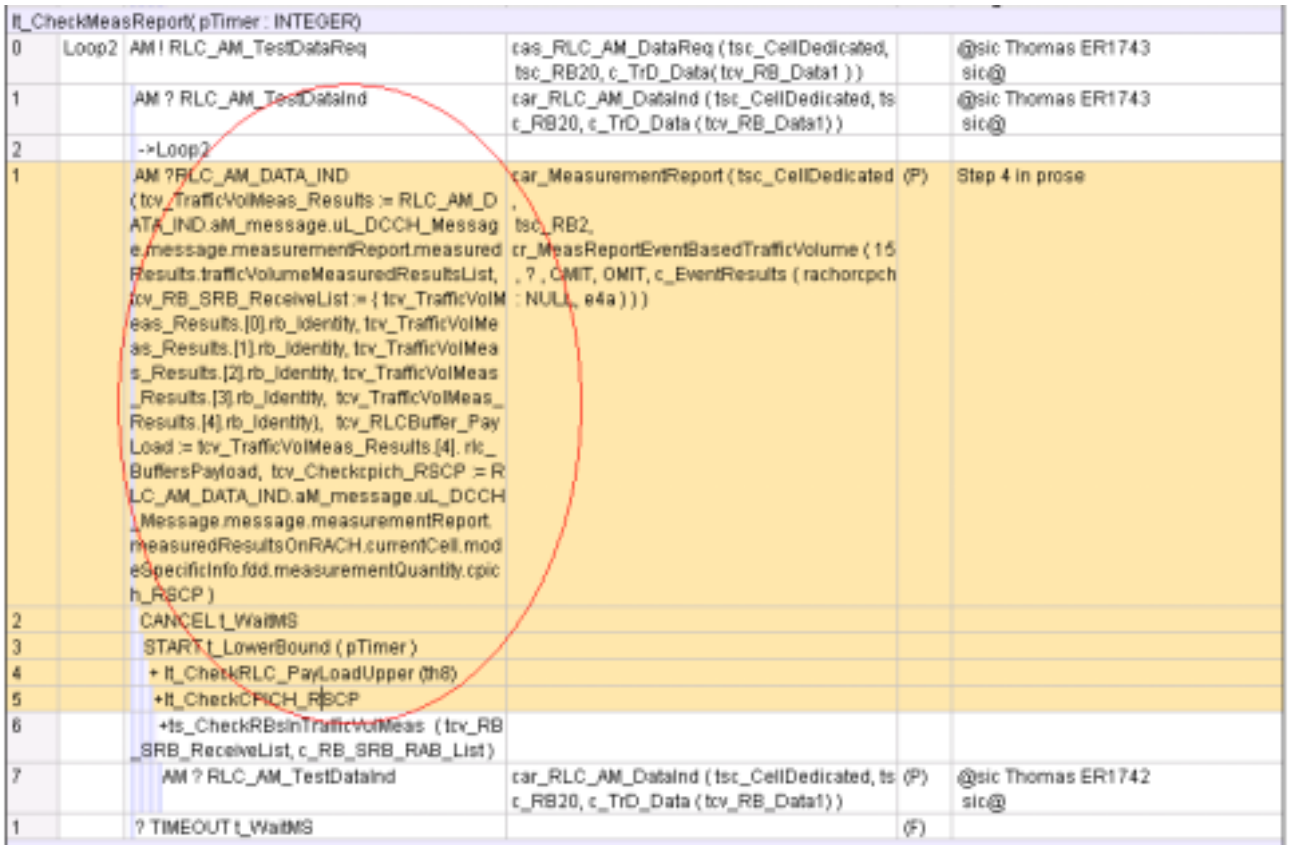
lt_CheckFirstMeasReport					
0		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated , tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
1	Loop1	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated , tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
3		->Loop1			
2		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.aM _message.uL_DCCH_Message.message.measurement Report.measuredResults.trafficVolumeMeasuredResu ltsList, tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas _Results.[0].rb_Identity, tcv_TrafficVolMeas_Results.[1].r b_Identity, tcv_TrafficVolMeas_Results.[2].rb_Identity, tcv _TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMe as_Results.[4].rb_Identity))	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rach orcpch : NULL, e4a)))	(P)	Step 3 in prose; @sic Thomas CR T1-031582 sic@
3		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)			@sic Thomas CR T1-031582 sic@
4		CANCEL t_WaitMS			
5		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated , tsc_RB20, c_TrD_Data(tcv_RB_Data1))	(P)	
2		? TIMEOUT t_WaitMS		(F)	
0		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.aM _message.uL_DCCH_Message.message.measurement Report.measuredResults.trafficVolumeMeasuredResu ltsList, tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas _Results.[0].rb_Identity, tcv_TrafficVolMeas_Results.[1].r b_Identity, tcv_TrafficVolMeas_Results.[2].rb_Identity, tcv _TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMe as_Results.[4].rb_Identity))	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rach orcpch : NULL, e4a)))	(P)	
1		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)			
2		CANCEL t_WaitMS			
3		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated , tsc_RB20, c_TrD_Data(tcv_RB_Data1))	(P)	

lt_CheckMeasReport(pTimer : INTEGER)					
0		START t_WaitMS (pTimer + tcv_Tolerance)			
1	Loop2	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		@sic Thomas ER1743 sic@
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated , tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1743 sic@
3		->Loop2			
2		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.aM _message.uL_DCCH_Message.message.measurement Report.measuredResults.trafficVolumeMeasuredResu ltsList, tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas _Results.[0].rb_Identity, tcv_TrafficVolMeas_Results.[1].r b_Identity, tcv_TrafficVolMeas_Results.[2].rb_Identity, tcv _TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMe as_Results.[4].rb_Identity))	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rach orcpch : NULL, e4a)))	(P)	Step 4 in prose
3		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)			
4		CANCEL t_WaitMS			
5		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated , tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	@sic Thomas ER1742 sic@
2		? TIMEOUT t_WaitMS		(F)	

After:

lt_TestBody					
0	TBS	(tcv_TestBody := TRUE)			
1		+ts_SysInfoModifySIB12_MIB_RRC (tsc_CellA, 2, c_SIB12_TrafficVolume_EventBased (tcv_CellInfoA , tcv_CellInfoB, tcv_CellInfoC, tcv_CellInfoD , tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoG, tcv_CellInfoH), tsc_Now)			Step 1a & 1b
2		+lt_startLoopback_data			@sic Thomas ER1737 sic@
3		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 15, c_TrafficVolumeMeasurementObjectList, rlc_BufferPayload : NULL, TRUE, FALSE, FALSE, (ue_State.all_But_Cell_DCH), trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteria (OMIT ,e4a, th8, tlt100, ptat1, bdat0_25), eventTrigger))		Step 2 in prose;
4		(tcv_WaitTimeForTrafficVolEvents := 900)			@sic Thomas ER1738 sic@
5		START t_WaitMS (100 +tcv_WaitTimeForTrafficVolEvents)			timer =(ttt + wait time for triggering traffic vol event)
6		+lt_CheckFirstMeasReport (1000 - 100)			Step 3 in prose; @sic Thomas ER1739 sic@ LowerBound timer = pendingtime after trigger - 10% tolerance
7		+lt_CheckMeasReport_Periodic			Step 4 in prose;
8		START t_WaitMS (1000 + 100)			Initialize thewait timer to 100 msecond s; @sic Thomas ER1740 sic@ UpperBound timer = pendingtime after trigger + 10% tolerance
9		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))	(F)	Step 4b in prose;
9		? TIMEOUT t_WaitMS		(P)	
10		START t_WaitMS (100 +tcv_WaitTimeForTrafficVolEvents)			timer =(ttt + wait time for triggering traffic vol event)
11		+lt_CheckMeasReport (1000 - 100)			Step 4d in prose; LowerBound timer = pendingtime after trigger - 10% tolerance
12		+lt_CheckMeasReport_Periodic			Step 4e in prose;
13		+ts_TC_OpenUE_TestLoop (tsc_CellA)			@sic Thomas ER1741 sic@
14		+ ts_TC_DeactivateRB_TestMode (tsc_CellA)			@sic Thomas ER1741 sic@
15		+ts_C2_CheckCellFACH (tsc_CellA)			
16	TBE	(tcv_TestBody := FALSE)		(P)	

lt_CheckFirstMeasReport(pTimer : INTEGER)					
0		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB2 0, c_TrD_Data(tcv_RB_Data1))		
1	Loop1	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB 20, c_TrD_Data(tcv_RB_Data1))		
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB2 0, c_TrD_Data(tcv_RB_Data1))		
3		->Loop1			
2		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC _AM_DATA_IND.aM_message.uL_D CCH_Message.message.measure mentReport.measuredResults.traffic VolumeMeasuredResultsList, tcv_R B_SRB_ReceiveList := { tcv_TrafficVo lMeas_Results.[0].rb_Identity, tcv_Tr afficVolMeas_Results.[1].rb_Identity, tcv_TrafficVolMeas_Results.[2].rb_Id entity, tcv_TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMeas_Res ults.[4].rb_Identity}, tcv_RLCBuffer_ PayLoad := tcv_TrafficVolMeas_Resu lts.[4]. rlc_BuffersPayload, tcv_Check cpich_RSCP := RLC_AM_DATA_IND .aM_message.uL_DCCH_Message. message.measurementReport.mea suredResultsOnRACH.currentCell.m odeSpecificInfo.fdd.measurementQu antity.cpich_RSCP)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OM IT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))	(P)	Step 3 in prose; @sic Thomas CR T1-031582 sic@
3		CANCEL t_WaitMS			
4		START t_LowerBound (pTimer)			
5		+ lt_CheckRLC_PayLoadUpper (t h8)			
6		+lt_CheckCPICH_RSCP			
7		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_S RB_RAB_List)			@sic Thomas CR T1-031582 sic@
8		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB2 0, c_TrD_Data(tcv_RB_Data1))	(P)	
2		? TIMEOUT t_WaitMS		(F)	
0		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC _AM_DATA_IND.aM_message.uL_D CCH_Message.message.measure mentReport.measuredResults.traffic VolumeMeasuredResultsList, tcv_R B_SRB_ReceiveList := { tcv_TrafficVo lMeas_Results.[0].rb_Identity, tcv_Tr afficVolMeas_Results.[1].rb_Identity, tcv_TrafficVolMeas_Results.[2].rb_Id entity, tcv_TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMeas_Res ults.[4].rb_Identity}, tcv_RLCBuffer_ PayLoad := tcv_TrafficVolMeas_Resu lts.[4]. rlc_BuffersPayload, tcv_Chec kcpich_RSCP := RLC_AM_DATA_IN D.aM_message.uL_DCCH_Messag e.message.measurementReport.me asuredResultsOnRACH.currentCell. modeSpecificInfo.fdd.measurement Quantity.cpich_RSCP)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OM IT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))	(P)	
1		CANCEL t_WaitMS			
2		START t_LowerBound (pTimer)			
3		+ lt_CheckRLC_PayLoadUpper (th 8)			
4		+lt_CheckCPICH_RSCP			
5		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_S RB_RAB_List)			
6		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB2 0, c_TrD_Data(tcv_RB_Data1))	(P)	



lt_CheckMeasReport(pTimer : INTEGER)					
0	Loop2	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		@sic Thomas ER1743 sic@
1		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1743 sic@
2		->Loop2			
1		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList, tcv_RB_SRB_ReceiveList := { tcv_TrafficVolMeas_Results.[0].rb_Identity, tcv_TrafficVolMeas_Results.[1].rb_Identity, tcv_TrafficVolMeas_Results.[2].rb_Identity, tcv_TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMeas_Results.[4].rb_Identity}, tcv_RLCBuffer_PayLoad := tcv_TrafficVolMeas_Results.[4]. rlc_BuffersPayload, tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResultsOnRACH.currentCell.modeSpecificInfo.fdd.measurementQuantity.cpich_RSCP)	car_MeasurementReport (tsc_CellDedicated , tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))	(P)	Step 4 in prose
2		CANCEL t_WaitMS			
3		START t_LowerBound (pTimer)			
4		+ lt_CheckRLC_PayLoadUpper (th8)			
5		+lt_CheckCPICH_RSCP			
6		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)			
7		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	@sic Thomas ER1742 sic@
1		? TIMEOUT t_WaitMS		(F)	

New LocalTree:

It_CheckMeasReport_Periodic					
0	Loop3	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		@sic Thomas ER1743 sic@
1		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1743 sic@
2		->Loop3			
1		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND .aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList, tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas_Results.[0].rb_Identity, tcv_TrafficVolMeas_Results.[1].rb_Identity, tcv_TrafficVolMeas_Results.[2].rb_Identity, tcv_TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMeas_Results.[4].rb_Identity), tcv_RLCBuffer_PayLoad := tcv_TrafficVolMeas_Results.[4]. rlc_BuffersPayload, tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResultsOnRACH.currentCell.modeSpecificInfo.fdd.measurementQuantity.cpich_RSCP)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))	(F)	Step 4 in prose
1		? TIMEOUT t_LowerBound		(P)	
2		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND .aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList, tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas_Results.[0].rb_Identity, tcv_TrafficVolMeas_Results.[1].rb_Identity, tcv_TrafficVolMeas_Results.[2].rb_Identity, tcv_TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMeas_Results.[4].rb_Identity), tcv_RLCBuffer_PayLoad := tcv_TrafficVolMeas_Results.[4]. rlc_BuffersPayload, tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResultsOnRACH.currentCell.modeSpecificInfo.fdd.measurementQuantity.cpich_RSCP)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))	(P)	Step 4 in prose
3		+ It_CheckRLC_PayLoadUpper (th8)			
4		+It_CheckCPICH_RSCP			
5		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)			
6		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	@sic Thomas ER1742 sic@
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1743 sic@
3	Loop4	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		@sic Thomas ER1743 sic@
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1743 sic@
5		->Loop4			
4		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND .aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList, tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas_Results.[0].rb_Identity, tcv_TrafficVolMeas_Results.[1].rb_Identity, tcv_TrafficVolMeas_Results.[2].rb_Identity, tcv_TrafficVolMeas_Results.[3].rb_Identity, tcv_TrafficVolMeas_Results.[4].rb_Identity), tcv_RLCBuffer_PayLoad := tcv_TrafficVolMeas_Results.[4]. rlc_BuffersPayload, tcv_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResultsOnRACH.currentCell.modeSpecificInfo.fdd.measurementQuantity.cpich_RSCP)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15 , ? , OMIT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))	(P)	Step 4 in prose

5		+ lt_CheckRLC_PayLoadUpper (th6)			
6		+lt_CheckCPICH_RSCP			
7		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_ReceiveList, c_RB_SRB_RAB_List)			
8		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	@sic Thomas ER1742 sic@

New LocalTree

lt_CheckRLC_PayLoadUpper(UpperTreshold :TrafficVolumeThreshold)					
0		[tcv_RLCBuffer_PayLoad >UpperTreshold]		(P)	Need to check that RLCBuffer payload in Meas report is greater than Reporting threshold
0		[TRUE]		(F)	

New LocalTree

lt_CheckCPICH_RSCP					
0		[((tcv_Checkcpich_RSCP - tsc_Cpich_RSCP_70dBm) >= tsc_cpich_RSCPMin) AND ((tsc_Cpich_RSCP_70dBm - tcv_Checkcpich_RSCP) <= tsc_cpich_RSCPMax)]		(P)	
0		[TRUE]		(F)	

New Test Case Variable:

Test Case Variable Declarations

Group:

Variable Name	Type	Value	Comments
tcv_Tolerance	INTEGER	0	Tolerance for the timers
tcv_WaitTimeForTrafficVolEvents	INTEGER	0	waite time needed for triggering traffic volume events
tcv_TrafficVolMeas_Results	TrafficVolumeMeasuredResultsList		Variable to store the received results from a Traffic Volume Measurement
tcv_RB_SRB_ReceiveList	RB_IdentityList	{1,1,1,1}	Variable to store the received SRB RB Ids from a Traffic Volume Measurement

New Test Case Variable:

tcv_HFN	B20	'00000000000000000000'B	Hyper Frame Number for CS or PS domain - to be used in security steps
tcv_InitialUE_Id	InitialUE_Identity	c_UE_IdDefIMSI	Used to store the UE identity
tcv_RLCBuffer_PayLoad	RLC_BuffersPayload		RLC_BuffersPayload
tcv_Checkcpich_RSCP	INTEGER	0	
tsc_Cpich_RSCP_70dBm	INTEGER	45	
tsc_cpich_RSCPMax	INTEGER	6	
tsc_cpich_RSCPMin	INTEGER	-6	

Change 5:

Test step	tc_8_4_1_30
Reason for change	1. Dependency of test case 8.4.1.39 on PIXIT px_RB_InteractiveOrBackground has to be avoided since for this particular test case value needed for px_RB_InteractiveOrBackground is a random bitstring of size 4160 bits.
Summary of change	1. Modified Line #10 of test case 8.4.1.30 to use TSO o_GetLeastSignificantBits to generate a random bit string of 4160 bits.
Source of change	new change

Before:

Test Case Id:	tc_8_4_1_30
Test Group Reference:	RRC_Measurements/
Purpose:	1. To verify that in CELL_DCH state when event 4a or 4b triggers UE sends RRC: Measurement Report with correct measurement identity and indication of uplink transport channel type and identity, radio bearer identities and corresponding RLC buffer payloads in number of bytes.
Configuration:	
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT = fdd]			FDD specific behaviour
3		+ts_RRC_InitVariablesPS (cell_DCH)			
4		+ts_SS_CreateCellDCH (tsc_CellA)			Configure lower tester
5		+ts_SendDef_sysInfo_MultiCell (tsc_CellA)			Sends the default system information in CellA
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Fach state and release the connection again
7		+ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (tsc_CellA)			
8		AM ! RLC_AM_DATA_REQ	cas_TranportFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, cbs_TransportFormatCombCtrl (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, c_TFC_Allowed_0_1_5_6))		@sic Thomas ER1745 sic@
9		+ts_TC_CloseUE_TestLoop(tsc_CellDedicated, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup (4160, tsc_RB20))			@sic Thomas ER1746 sic@
10		(tcv_RB_Data1 := o_GetMostSignificantBits (px_RB_InteractiveOrBackground , 4160))			@sic Thomas ER1746 sic@
11		+ts_SS_TFC_Restriction (tsc_CellDedicated, c_TFC_Allowed_0_1_5_6, c_TFC_Allowed_0_1_to_9)			@sic Thomas ER1745 sic@
12		+tt_TestBody			
13		+po_ConnectionAndSS_Rels			Postamble : To release the RRC connection and all the SS configuration
14	ERR1	[px_RAT = tdd]			TDD specific behaviour
15	ERR2	[TRUE]		I	
tt_TestBody					

After:

Test Case Id:	tc_8_4_1_30
Test Group Reference:	RRC_Measurements/
Purpose:	1. To verify that in CELL_DCH state when event 4a or 4b triggers UE sends RRC: Measurement Report with correct measurement identity and indication of uplink transport channel type and identity, radio bearer identities and corresponding RLC buffer payloads in number of bytes.
Configuration:	
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verd...	Comments
1		START t_Guard			
2		[px_RAT = fdd]			FDD specific behaviour
3		+ts_RRC_InitVariablesPS (cell_DCH)			
4		+ts_SS_CreateCellDCH (tsc_CellA)			Configure lower tester
5		+ts_SendDef_sysInfo_MultiCell (tsc_CellA)			Sends the default system information in CellA
6		+ts_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Fach state and release the connection again
7		+ts_ToStateMT_PS_6_10Or6_11_ActivateRB_TestMode (tsc_CellA)			
8		AM ! RLC_AM_DATA_REQ	cas_TranportFormatCombCtrlAM (tsc_CellDedicated, tsc_RB2, cbs_TransportFormatCombCtrl (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, c_TFC_Allowed_0_1_5_6))		@sic Thomas ER1745 sic@
9		+ts_TC_CloseUE_TestLoop(tsc_CellDedicated, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup (4160, tsc_RB20))			@sic Thomas ER1746 sic@
10		(tcv_RB_Data1 := o_GetLeastSignificantBits(o_OctToBit(o_GetN_OctetsFromPRBS(0,520)),4160))			@sic Thomas ER1746 sic@
11		+ts_SS_TFC_Restriction (tsc_CellDedicated, c_TFC_Allowed_0_1_5_6, c_TFC_Allowed_0_1_to_9)			@sic Thomas ER1745 sic@
12		+tt_TestBody			
13		+po_ConnectionAndSS_Rels			Postamble : To release the RRC connection and all the SS configuration
14	ERR1	[px_RAT = tdd]			TDD specific behaviour
15	ERR2	[TRUE]		I	

Change 6:

Local Tree and Test step	Lt_TestBody, lt_CheckFirstMeasReport and lt_CheckmeasReport of tc_8_4_1_30
Reason for change	1. In TS 34.123-1 section 8.4.1.30.4 specific message contents are defined for the measurement report (step4, step 5 and step 7b) to verify: - RLC Buffer Payload: Check to see if the value is above the threshold In TTCN the for above IE any value ("?") is allowed. TTCN need to be modified to verify the value as requested by the test specification. 2. In TS 34.123-1 section 8.4.1.30.4 specific message contents are defined for the measurement report (step 6, step 7 and step 7d) to verify: - RLC Buffer Payload: Check to see if the value is below the threshold In TTCN the for above IE any value ("?") is allowed. TTCN need to be modified to verify the value as requested by the test specification. 3. In TS 34.123-1 section 8.4.1.30.4 it is specified for step 5 and step 7 that: "UE repeats message after 2100 ms". But in TTCN only Upper boundary is verified which is not required by the specification and lower boundary is not verified which is required by the specification. 4. In TTCN timer t_waitms (periodical measurement reporting timer) after step 4 and the reception of two PDU's, which causes a non accurate timer verification. 5. In test case 8.4.1.30, tcv_Tolerance is hardcoded as 900ms and is added to all the timers started in the test case. Purpose of the increased tolerance is to give SS enough time to trigger traffic volume events, but name tcv_tolerance is misleading. More over adding the same increased tolerance to timers started to confirm periodical measurement reporting at step 5 and 7 are wrong.
Summary of change	1. A new local tree lt_CheckRLC_PayLoadUpper is defined to verify the value of 'RLC Buffer Payload' IE in MEASUREMENT REPORT Message is above the reporting threshold or not. This test step is called after step4, step 5 and step 7b to verify the same. 2. Defined a new test case variable 'tcv_RLCBuffer_PayLoad' in Test case variable declaration. 3. A new local tree lt_CheckRLC_PayLoadLower is defined to verify the value of 'RLC Buffer Payload' IE in MEASUREMENT REPORT Message is below the reporting threshold or not. This test step is called after step 6, step 7 and step 7d to verify the same. 4. Step 5 and 7 are modified to verify that UE sends MEASUREMENT REPORT message after 2100 ms. Introduced a new local tree lt_CheckmeasReport_Periodic for the same. 5. Modified TTCN to start a lowerbound timer immediately after receiving MEASUREMENT REPORT Message. 6. Replaced tcv_Tolerance in test case 8.4.1.30 with newly defined tcv_WaitTimeForTrafficVolEvents. Modified tolerance added to timers started for periodical measurement reporting at step 5 and 7 to normal tolerance(10%).
Source of change	New Change

Before:

lt_TestBody					
0	TBS	(tcv_TestBody := TRUE)			
1		+lt_startLoopback_data			@sic Thomas ER1747 sic@
2		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 15, {dch : 1}, rlc_BufferPayload : NULL, TRUE, FALSE, FALSE, {ue_State cell_DCH}, trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteriaEvent4a4b (OMIT, e4a, th256, tt100, ptat2 , OMIT), eventTrigger))		Step 2 in prose; @sic Thomas ER1748 sic@
3		AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
4		(tcv_Tolerance := 900)			@sic Thomas ER1749 sic@
5		START t_WaitMS (100 + tcv_Tolerance)			
6		+lt_CheckFirstMeasReport			Step4; @sic Thomas ER1750 sic@
7		+lt_CheckMeasReport(2100)			Step5, @sic Thomas ER1753 sic@
8		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 14, {dch : 1}, rlc_BufferPayload : NULL, TRUE, FALSE, FALSE, {ue_State cell_DCH}, trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteriaEvent4a4b (OMIT , e4b, th32, tt100, ptat2, OMIT), eventTrigger))		Step 5b in prose
9		START t_WaitMS (100 + tcv_Tolerance)			Initialize thewait timer to 100 mseconds
10		? TIMEOUT t_WaitMS		(F)	
10		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (14, ? , OMIT, OMIT, c_EventResults (dch : 1, e4b)))	(P)	Step 6 in prose
11		CANCEL t_WaitMS			
12		START t_WaitMS (2100 + tcv_Tolerance)			Initialize thewait timer to 2 seconds
13		? TIMEOUT t_WaitMS		(F)	
13		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (14, ? , OMIT, OMIT, c_EventResults (dch : 1, e4b)))	(P)	Step 7 in prose
14		CANCEL t_WaitMS			
15		+lt_CheckMeasReport(100)			Step7b; @sic Thomas ER1753 sic@
16		START t_WaitMS (1000 + tcv_Tolerance)			Initialize thewait timer to 100 mseconds
17		? TIMEOUT t_WaitMS		(F)	
17		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (14, ? , OMIT, OMIT, c_EventResults (dch : 1, e4b)))	(P)	Step 7c in prose
18		CANCEL t_WaitMS			
19		+ ts_TC_OpenUE_TestLoop (tsc_CellA)			
20		+ ts_TC_DeactivateRB_TestMode (tsc_CellA)			@sic Thomas ER1751 sic@
21		+ts_C3_CheckCellDCH (tsc_CellA)			Step 8
22	TBE	(tcv_TestBody := FALSE)		(P)	

lt_CheckFirstMeasReport					
0		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
1	Loop1	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1752 sic@
3		->Loop1			
2		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)	Step 4 in prose
3		CANCEL t_WaitMS			
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	
5		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
2		? TIMEOUT t_WaitMS		(F)	
0		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)	
1		CANCEL t_WaitMS			
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
3		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
lt_CheckMeasReport(pTimer : INTEGER)					

lt_CheckMeasReport(pTimer : INTEGER)					
0		START t_WaitMS (pTimer + tcv_Tolerance)			
1	Loop2	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		@sic Thomas ER1752 sic@
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1752 sic@
3		->Loop2			@sic Thomas ER1753 sic@
2		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)	Step 4 in prose
3		CANCEL t_WaitMS			
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	@sic Thomas ER1752 sic@
2		? TIMEOUT t_WaitMS		(F)	

After:

lt_TestBody					
0	TBS	(tcv_TestBody := TRUE)			
1		+lt_startLoopback_data			@sic Thomas ER1747 sic@
2		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated , tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, 15, {dch : 1}, rlc_BufferPayload : NULL, TRUE, FALSE, FALSE, {ue_State cell_DCH} , trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteriaEvent4a4b (OMIT, e4a, th256, ttt100, ptat2 , OMIT), eventTrigger))		Step 2 in prose; @sic Thomas ER1748 sic@
3		AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
4		(tcv_WaitTimeForTrafficVolEvents := 900)			@sic Thomas ER1749 sic@
5		START t_WaitMS (100 + tcv_WaitTimeForTrafficVolEvents)			timer =(ttt + wait time for triggering traffic vol event)
6		+lt_CheckFirstMeasReport (2000 - 200)			Step4; LowerBound timer = pendingtime after trigger - 10% tolerance
7		+lt_CheckMeasReport_Periodic			Step5; @sic Thomas ER1753 sic@
8		AM ! RLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated , tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, 14, {dch : 1}, rlc_BufferPayload : NULL, TRUE, FALSE, FALSE, {ue_State cell_DCH} , trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteriaEvent4a4b (OMIT , e4b, th32, ttt100, ptat2, OMIT), eventTrigger))		Step 5b in prose
9		START t_WaitMS (100 + tcv_WaitTimeForTrafficVolEvents)			Initialize thewait timer to 100 mseconds timer =(ttt + wait time for triggering traffic vol event)
10		? TIMEOUT t_WaitMS		(F)	
10		AM ?RLC_AM_DATA_IND(tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList.[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (14, ? , OMIT, OMIT, c_EventResults (dch : 1, e4b)))	(P)	Step 6 in prose
11		CANCEL t_WaitMS			
12		START t_LowerBound (2000 - 200)			Initialize thewait timer to 2 seconds LowerBound timer = pendingtime after trigger - 10% tolerance
13		+ lt_CheckRLC_PayLoadLower (th32)			
14		AM ?RLC_AM_DATA_IND (tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList.[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (14, ? , OMIT, OMIT, c_EventResults (dch : 1, e4b)))	(F)	Step 7 in prose
14		? TIMEOUT t_LowerBound		(P)	
15		AM ?RLC_AM_DATA_IND (tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList.[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (14, ? , OMIT, OMIT, c_EventResults (dch : 1, e4b)))	(P)	Step 7 in prose
16		START t_WaitMS(1000+ tcv_WaitTimeForTrafficVolEvents)			Initialize thewait timer to 100 mseconds
17		+ lt_CheckRLC_PayLoadLower (th32)			
18		+lt_CheckMeasReport(1000)			Step7b; @sic Thomas ER1753 sic@ timer =(ttt + wait time for triggering traffic vol event)
19		? TIMEOUT t_WaitMS		(F)	

19		AM ?RLC_AM_DATA_IND (tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (14, ? , OMIT, OMIT, c_EventResults (dch : 1, e4b)))	(P)	Step 7c in prose
20		CANCEL t_WaitMS			
21		+ lt_CheckRLC_PayLoadLower(th32)			
22		+ ts_TC_OpenUE_TestLoop (tsc_CellA)			
23		+ ts_TC_DeactivateRB_TestMode (tsc_CellA)			@sic Thomas ER1751 sic@
24		+ts_C3_CheckCellDCH (tsc_CellA)			Step 8
25	TBE	(tcv_TestBody := FALSE)		(P)	

lt_CheckFirstMeasReport(pTimer : INTEGER)					
0		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
1	Loop 1	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1752 sic@
3		->Loop1			
2		AM ?RLC_AM_DATA_IND (tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)	Step 4 in prose
3		CANCEL t_WaitMS			
4		START t_LowerBound (pTimer)			
5		+ lt_CheckRLC_PayLoadUpper(th256)			
6		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	
7		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
2		? TIMEOUT t_WaitMS		(F)	
0		AM ?RLC_AM_DATA_IND(tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)	
1		CANCEL t_WaitMS			
2		START t_LowerBound (pTimer)			
3		+ lt_CheckRLC_PayLoadUpper(th256)			
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
5		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		

New LocalTree

lt_CheckMeasReport_Periodic					
0	Loop 2	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
1		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
2		->Loop2			
1		AM ?RLC_AM_DATA_IND(tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList.[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(F)	Step 4 in prose Meas report received before T_Lowerbound Timer expiry
1		? TIMEOUT t_LowerBound		(P)	
2		AM ? RLC_AM_DATA_IND(tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList.[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)	Step 4 in prose
3		+ lt_CheckRLC_PayLoadUpper(th256)			
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	
3	Loop 3	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		
5		->Loop3			
4		AM ?RLC_AM_DATA_IND(tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList.[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)	Step 4 in prose
5		+ lt_CheckRLC_PayLoadUpper(th256)			
6		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	

lt_CheckMeasReport(pTimer : INTEGER)					
0		START t_WaitMS (pTimer)			
1	Loop4	AM ! RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		@sic Thomas ER1752 sic@
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1752 sic@
3		->Loop4			@sic Thomas ER1753 sic@
2		? TIMEOUT t_WaitMS		(F)	
2		AM ?RLC_AM_DATA_IND(tcv_RLCBuffer_PayLoad := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList.[0].rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))	(P)	Step 4 in prose
3		+ lt_CheckRLC_PayLoadUpper (th256)			
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	@sic Thomas ER1752 sic@

New LocalTree

lt_CheckRLC_PayLoadUpper(UpperTreshold :TrafficVolumeThreshold)					
0		[tcv_RLCBuffer_PayLoad >UpperTreshold]		(P)	Need to check that RLCBuffer payload in Meas report is greater than Reporting threshold
0		[TRUE]		(F)	

New LocalTree

It_CheckRLC_PayLoadLower(LowerTreshold :TrafficVolumeThreshold)					
0		[tcv_RLCBuffer_PayLoad < LowerTreshold]		(P)	Need to check that RLCBuffer payload in Meas report is lass than Reporting threshold
0		[TRUE]		(F)	

Change 7:

ASN.1 PDU Constraint Declaration	cdr_MeasReportTrafficVolume
Reason for change	In TS 34.123-1 section 8.4.1.30.4 specific message contents are defined for the measurement report (step4, step 5, step 6, step 7, step 7b and step 7d) to verify: - Measured results on RACH: Not Checked - Additional Measured Results: Not Checked In TTCN the above IE are checked using “OMIT”. TTCN need to be modified to verify the value as requested by the test specification.
Summary of change	1. Constraint declaration of cdr_MeasReportTrafficVolume is modified to not check for ‘Measured results on RACH’ and ‘Additional Measured Results’ IE’s in MEASUREMENT REPORT message.
Source of change	New Change

After:

ASN.1 PDU Constraint Declaration	
Constraint Name:	cdr_MeasReportTrafficVolume (p_MeasurementIdentity : MeasurementIdentity; p_RLC_BuffersPayload : RLC_BuffersPayload ; p_AverageRLC_BufferPayload : AverageRLC_BufferPayload; p_VarianceOfRLC_BufferPayload : VarianceOfRLC_BufferPayload ; p_EventResults : EventResults)
Group:	
PDU Name:	UL_DCCH_Message
Derivation Path:	cbr_AA_MeasReportTrafficVolume.
Encoding Rule Name:	
Encoding Variation:	
Comments:	@SIC_NAPP

Constraint Value

```
REPLACE message.measurementReport.measuredResults.trafficVolumeMeasuredResultsList BY
{
 {
  rb_Identity tsc_RB20,
  rlc_BuffersPayload    p_RLC_BuffersPayload,
  averageRLC_BufferPayload p_AverageRLC_BufferPayload,
  varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
 }
},
REPLACE message.measurementReport.measuredResultsOnRACH BY *,
REPLACE message.measurementReport.additionalMeasuredResults BY *
```

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **421** ⌘ **rev** **-** ⌘ Current version: **3.6.1** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☒ Radio Access Network ☐ Core Network ☐

Title: ⌘ Correction to RRC TC 8.2.3.8 in ts_RRC_ReceiveRB_SetupCmpl.

Source: ⌘ Anite

Work item code: ⌘ N/A ***Date:*** ⌘ 17/08/04

Category: ⌘ **F** ***Release:*** ⌘ R99

Use one of the following categories:
- ***F*** *(correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(addition of feature),*
- ***C*** *(functional modification of feature)*
- ***D*** *(editorial modification)*

Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

1. In test step ts_RRC_ReceiveRB_SetupCmpl, in local test step lt_CipheringStartedAM_RAB, CS domain ciphering key is passed to lt_SS_CipheringAM_RAB_UL_DL. Instead PS domain key should be passed on.
2. In test step ts_RRC_ReceiveRB_SetupCmpl line 9, there is no need to check if ciphering has been started for CS domain. Check for only PS domain is required.

Summary of change: ⌘

1. In test step ts_RRC_ReceiveRB_SetupCmpl, in local test step lt_CipheringStartedAM_RAB, PS domain ciphering key is passed to lt_SS_CipheringAM_RAB_UL_DL.
2. In ts_RRC_ReceiveRB_SetupCmpl line 9 is modified to perform the check for PS domain only.

Consequences if not approved: ⌘ Test case will fail a compliant UE when run in Ciphered mode.

Clauses affected: ⌘

Other specs affected: ⌘

Y	N	
	X	Other core specifications
	X	Test specifications
	X	O&M Specifications

⌘

Other comments: ⌘

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

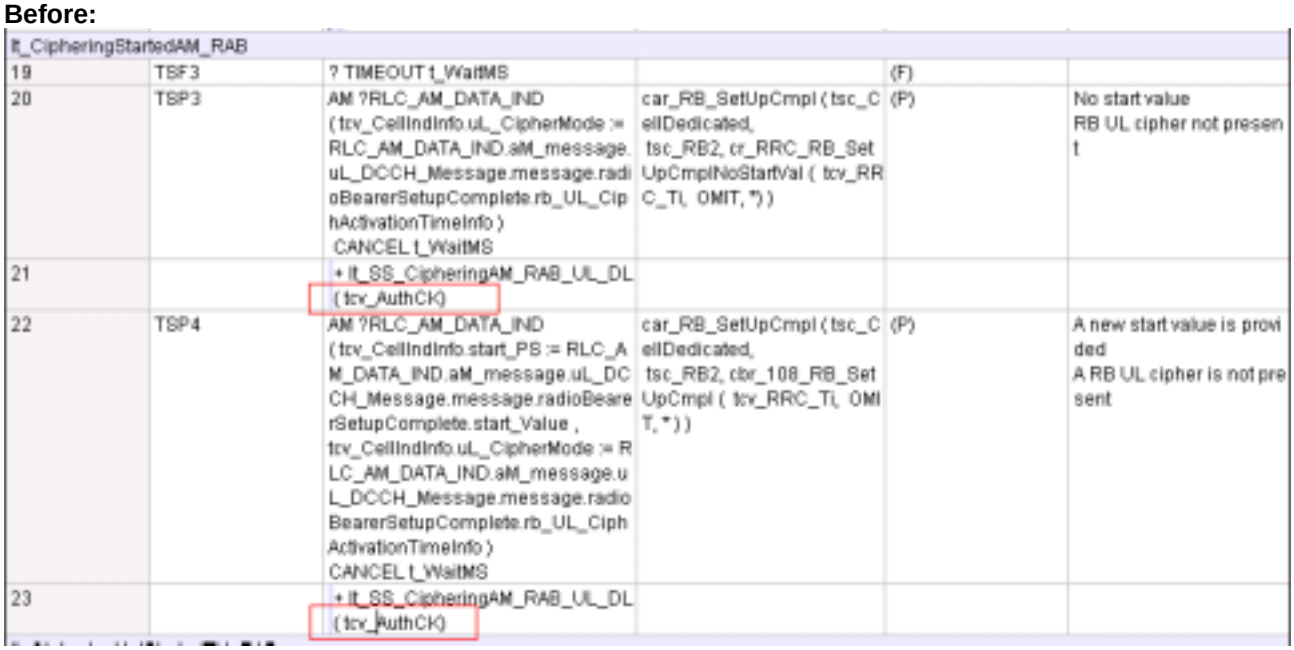
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1:

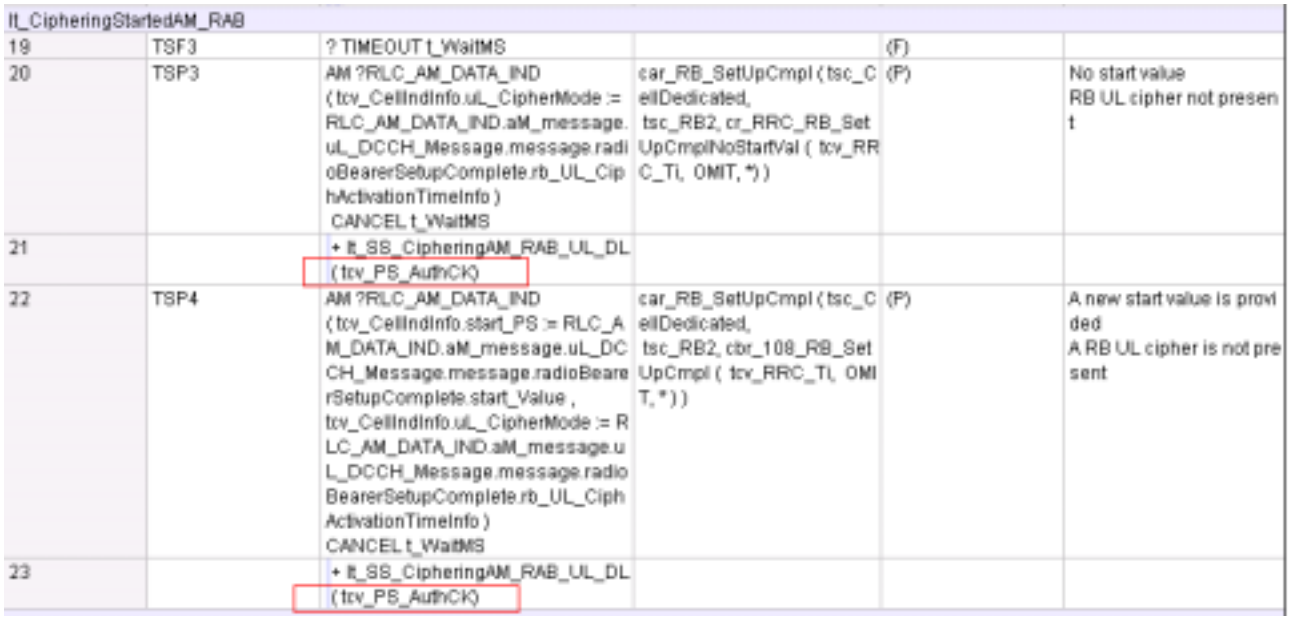
Tc_8_2_3_8	lt_CipheringStartedAM_RAB
Reason for change	In test step ts_RRC_ReceiveRB_SetupCmpl in local test step lt_CipheringStartedAM_RAB, CS domain ciphering key is passed to lt_SS_CipheringAM_RAB_UL_DL. Instead, PS domain key should be passed on.
Summary of change	In ts_RRC_ReceiveRB_SetupCmpl line 21 and 23 are modified to pass on the PS domain ciphering key to lt_SS_CipheringAM_RAB_UL_DL.
Source of change	New change

Before:



lt_CipheringStartedAM_RAB					
19	TSF3	? TIMEOUT t_WaitMS		(F)	
20	TSP3	AM ?RLC_AM_DATA_IND (tcv_CellIndInfo.uL_CipherMode := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.radioBearerSetupComplete.rb_UL_CiphActivationTimeInfo) CANCEL t_WaitMS	car_RB_SetUpCmpl (tsc_CellDedicated, tsc_RB2, cr_RRC_RB_SetUpCmplNoStartVal (tcv_RRC_Ti, OMIT, *))	(P)	No start value RB UL cipher not present
21		+ lt_SS_CipheringAM_RAB_UL_DL (tcv_AuthCK)			
22	TSP4	AM ?RLC_AM_DATA_IND (tcv_CellIndInfo.start_PS := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.radioBearerSetupComplete.start_Value , tcv_CellIndInfo.uL_CipherMode := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.radioBearerSetupComplete.rb_UL_CiphActivationTimeInfo) CANCEL t_WaitMS	car_RB_SetUpCmpl (tsc_CellDedicated, tsc_RB2, cbr_108_RB_SetUpCmpl (tcv_RRC_Ti, OMIT, *))	(P)	A new start value is provided A RB UL cipher is not present
23		+ lt_SS_CipheringAM_RAB_UL_DL (tcv_AuthCK)			

After:



lt_CipheringStartedAM_RAB					
19	TSF3	? TIMEOUT t_WaitMS		(F)	
20	TSP3	AM ?RLC_AM_DATA_IND (tcv_CellIndInfo.uL_CipherMode := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.radioBearerSetupComplete.rb_UL_CiphActivationTimeInfo) CANCEL t_WaitMS	car_RB_SetUpCmpl (tsc_CellDedicated, tsc_RB2, cr_RRC_RB_SetUpCmplNoStartVal (tcv_RRC_Ti, OMIT, *))	(P)	No start value RB UL cipher not present
21		+ lt_SS_CipheringAM_RAB_UL_DL (tcv_PS_AuthCK)			
22	TSP4	AM ?RLC_AM_DATA_IND (tcv_CellIndInfo.start_PS := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.radioBearerSetupComplete.start_Value , tcv_CellIndInfo.uL_CipherMode := RLC_AM_DATA_IND.aM_message.uL_DCCH_Message.message.radioBearerSetupComplete.rb_UL_CiphActivationTimeInfo) CANCEL t_WaitMS	car_RB_SetUpCmpl (tsc_CellDedicated, tsc_RB2, cbr_108_RB_SetUpCmpl (tcv_RRC_Ti, OMIT, *))	(P)	A new start value is provided A RB UL cipher is not present
23		+ lt_SS_CipheringAM_RAB_UL_DL (tcv_PS_AuthCK)			

Change 2:

Tc_8_2_3_8	ts_RRC_ReceiveRB_SetupCmpl
Reason for change	In test step ts_RRC_ReceiveRB_SetupCmpl line 9, there is no need to check if ciphering has been started for CS domain. Check for only PS domain is required.

Summary of change	In ts_RRC_ReceiveRB_SetupCmpl line 9 is modified to perform the check for PS domain only.
Source of change	New change

Before:

Test Step	
Test Step Id:	ts_RRC_ReceiveRB_SetupCmpl (p_CellId : INTEGER; p_RbType: RB_ConfigType)
Test Step Group Ref:	BasicM_RRC_Steps/
Objective:	To receive RADIO BEARER SETUP COMPLETE message and reconfigure SS according to the received information element values.
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verd...	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		START t_WaitMS			
3		[(p_RbType = cell_DCH_Speech) OR (p_RbType = cell_DCH_64kCS_RAB_SRB) OR (p_RbType = cell_DCH_57_6kCS_RAB_SRB) OR (p_RbType = cell_Two_DTCH) OR (p_RbType = cell_Four_DTCH_CS) OR ((p_RbType = cell_Two_DTCH_PS_CS) AND (tcv_CN_Domain = cs_domain)) OR ((p_RbType = cell_Four_DTCH_PS_CS) AND (tcv_CN_Domain = cs_domain)) OR ((p_RbType = cell_DCH_DSCH_CS_PS) AND (tcv_CN_Domain = cs_domain))]			TM RAB
4		[(tcv_CellIndInfo.cs_cipheringStarted = TRUE) AND(tcv_CellIndInfo.recentSecureDomain = cs_domain)]			
5		+ lt_CipheringStartedTM_RAB			
6		[tcv_CellIndInfo.cs_cipheringStarted = FALSE]			
7		+ lt_CipheringNotStartedTM_RAB			
8		[TRUE]			AM/UM RAB
9		[((tcv_CellIndInfo.cs_cipheringStarted = TRUE) AND (tcv_CellIndInfo.recentSecureDomain = cs_domain)) OR ((tcv_CellIndInfo.ps_cipheringStarted = TRUE) AND(tcv_CellIndInfo.recentSecureDomain = ps_domain))]			
10		+ lt_CipheringStartedAM_RAB			
11		[TRUE]			
12		+ lt_CipheringNotStartedAM_RAB			

After:

Test Step	
Test Step Id:	ts_RRC_ReceiveRB_SetupCmpl (p_CellId : INTEGER; p_RbType: RB_ConfigType)
Test Step Group Ref:	BasicM_RRC_Steps/
Objective:	To receive RADIO BEARER SETUP COMPLETE message and reconfigure SS according to the received information element values.
Defaults:	RRC_Def1
Comments:	

Nr	Label	Behaviour Description	Constraint Ref	Verd...	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		START t_WaitMS			
3		[(p_RbType = cell_DCH_Speech) OR (p_RbType = cell_DCH_64kCS_RAB_SRB) OR (p_RbType = cell_DCH_57_6kCS_RAB_SRB) OR (p_RbType = cell_Two_DTCH) OR (p_RbType = cell_Four_DTCH_CS) OR ((p_RbType = cell_Two_DTCH_PS_CS) AND (tcv_CN_Domain = cs_domain)) OR ((p_RbType = cell_Four_DTCH_PS_CS) AND (tcv_CN_Domain = cs_domain)) OR ((p_RbType = cell_DCH_DSCH_CS_PS) AND (tcv_CN_Domain = cs_domain))]			TM RAB
4		[(tcv_CellIndInfo.cs_cipheringStarted = TRUE) AND(tcv_CellIndInfo.recentSecureDomain = cs_domain)]			
5		+ lt_CipheringStartedTM_RAB			
6		[tcv_CellIndInfo.cs_cipheringStarted = FALSE]			
7		+ lt_CipheringNotStartedTM_RAB			
8		[TRUE]			AM/UM RAB
9		[(tcv_CellIndInfo.ps_cipheringStarted = TRUE) AND(tcv_CellIndInfo.recentSecureDomain = ps_domain)[ ]			
10		+ lt_CipheringStartedAM_RAB			
11		[TRUE]			
12		+ lt_CipheringNotStartedAM_RAB			