Technical Specification Group Terminals Meeting #25, Palm Springs, CA, USA, 8 - 10 September 2004

Source:	T1
Title: for approval	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
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	R e	Phas e	Subject	Cat	Version- Current	Version- New
			v					
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, 14.2.31.1 and 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

	CHANGE REQUEST							CR-Form-v7			
¥	34	<mark>4.123-3</mark>	CR	394	ж rev	-	Ħ	Current vers	ion:	3.5.2	ж
	For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the # symbols.										
Proposed chang	-			pps₩			dio Ac	cess Networ	k	Core Ne	etwork
nue:	ሔ	TTCN CO	rection	I to P2 test cas	se o. I. IU.	1					
Source:	ж	Nokia									
Work item code:	: H	N/A						<i>Date:</i> ೫	07/0	5/2004	
Category:		F (cor A (cor B (ada C (fun D (edi	rection) respond dition of octional in torial m planatio	ds to a correctio feature), modification of f odification) ns of the above	n in an ear eature)		elease	R97 R98 R99	the follo (GSM I (Releas (Releas (Releas	Phase 2) se 1996) se 1997) se 1998) se 1999) se 4)	eases:

Reason for change: ೫	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 अ not approved:	Fest case 8.1.10.1 will not work for UEs performing manual attach to the PS services.				
Clauses affected: #	ts_NAS_SignallingConnectionRelease				
Other specs ₩ affected:	Y N 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".				

Rel-6

(Release 6)

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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.
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downloaded from the 3GPP server under http://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_CeIIId, tcv_TI_S, tsc_RejCauPDP_CtxtDeact)	\prod	T	
2	[TRUE]	$\left[\right]$	6	<u>3</u> .

After the change:

3	+ ts_DeactivatePDP_ContextMT (p_CeIIId, 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.			
lt_	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		<u> </u>	
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.lac, tcv_TmpCellInfo.lac,		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.mcc, 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

	CHANGE REQUEST							
[⋇] TS :	<mark>34.123-3</mark> C	R 395	жrev	- #	Current vers	^{iion:} 3.5.1	ж	
For <u>HELP</u> on L	using this form,	see bottom of this	page or l	ook at ti	he pop-up text	over the X syr	mbols.	
Proposed change	Proposed change affects: UICC apps ME X Radio Access Network Core Network							
Title: #	Correction to	Approved RRC P	ackage 1	TC 8.3.	1.1			
Source: अ	Ericsson							
Work item code: अ	TEI				Date: ೫	26/05/2004		
Category: ₩	F (correct A (corres) B (additio C (functio D (editoria	ponds to a correction on of feature), onal modification of fe al modification) nations of the above o	in an earl eature)		2	Rel-5 the following rela (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)		
Reason for chang	e: ೫ <u>1.</u> /	At step 27, in the e	xpected s	equenc	e the messag	e		
reason for onang) a f	CELL_UPDATE_C according to the "sp or the new_C_RNTI puts information into according to the defa	ONFIRM Decific me and rb_In rb_Information	is sent f essage of formation ationAffeo	rom the SS. T contents" consi nReleaseList. Bi ctedList, which s	his message s ist of default IE ut TTCN also en should be set to 0	except oneously	
Summary of chan	t	Replace the input p sc_UL_DCCH4, OMIT						
Consequences if not approved:		not be according to	prose a	nd it cou	Id fail a confor	mant UE.		
Clauses affected:	策 <mark>tc_8_3_</mark> 1	I_1						
Other specs affected:	X T	ther core specifica est specifications &M Specifications	tions	¥				
Other comments:	策 Affects	R99, Rel4 and Rel	5 UEs.					

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Before:

tc_8_3_1_1

Te	st Case Nam	e tc_8_3_1_1							
<u> </u>	oup	RRC/RRC_CellUpdate/							
Pu	rpose		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						
Co	onfiguration								
De	fault	RRC_Def1							
Co	omments								
Sel	lection Ref	RRC_FDD_PS							
De	scription	Cell Update: cell reselection in CELL_FACH							
Nr	Label	Behaviour Description	Constraints Ref						
1		START <u>t_Guard</u>							
86		[<u>tcv_K</u> =4]							
87		+ <u>ts_CMAC_New_RNTI_Reconf</u> (TRUE, <u>tsc_CellA,</u> t <u>cv_CellInfoB</u> .uRNTI, <u>tcv_CellInfoA</u> .cRNTI)							
88		<u>UM</u> ! <u>RLC_UM_DATA_REQ</u> (<u>tcv_CellInfoA</u> .cRNTI := <u>tsc_CRNTI_Id2</u>)	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB' cs_CellUpdateCnfGenericE tcv_CellIndInfo.dl_Integrity(tcv_RRC_Ti, OMIT, tsc_CR cell_FACH, c_RB_RIsList4, c_RB_Affected8_3_1_1 (tsc_UL_DCCH4, tsc_UL_M tsc_DL_DCCH4), OMIT, C OMIT))						

After:

tc_8_3_1_1

1									
Test C	Case Nam	e <u>tc_8_3_1_1</u>							
Grou	р	RRC/RRC_CellUpdate/							
Durne	200	1. To confirm that the UE executes a cell update procedure after the successful reselection c							
Purpo	56	sends the correct uplink response message when executing	g cell update procedure due to ce						
Confi	guration								
Defau	ılt	RRC_Def1							
Comn	nents								
Select	tion Ref	RRC_FDD_PS							
Descr	iption	Cell Update: cell reselection in CELL_FACH							
Nr La	ıbel	Behaviour Description	Constraints Ref						
1		START <u>t_Guard</u>							
86		[<u>tcv_K</u> =4]							
87		+ <u>ts_CMAC_New_RNTI_Reconf</u> (TRUE, <u>tsc_CellA</u> , t <u>cv_CellInfoB</u> .uRNTI, <u>tcv_CellInfoA</u> .cRNTI)							
88		<u>UM</u> ! <u>RLC_UM_DATA_REQ</u> (<u>tcv_CellInfoA</u> .cRNTI := <u>tsc_CRNTI_Id2</u>)	<u>cas_RRC_CellUpdateCnf</u> (<u>tsc_CellDedicated</u> , <u>tsc_RB</u> ⁻ <u>cs_CellUpdateCnfGenericE</u> <u>tcv_CellIndInfo</u> .dl_Integrity(<u>tcv_RRC_Ti</u> , OMIT, <u>tsc_CR</u> cell_FACH, <u>c_RB_RIsList4</u> , OMIT, OMIT , OMIT))						

				CHAN			Г		CR-Form-v7
	ж <mark>Т</mark>	<mark>S 34.1</mark>	<mark>23-3</mark> C	R ³⁹⁶	ж rev	- #	Current vers	^{iion:} 3.5.1	ж
l	For <u>HELP</u>	on using	this form,	see bottom	of this page o	r look at t	he pop-up text	over the X syr	nbols.
	Proposed cha	nge affec	ts: UIC	C apps೫	ME	Radio	Access Networ	rk Core Ne	etwork
	Title:				NAS CC MM te sage and disa			date of LOCAT	ION
	Source:	<mark>೫ Anit</mark>	e						
	Work item cod	le:					<i>Date:</i> ೫	27/05/2004	
	Category:	Deta	F (correct A (corres B (addition C (function D (editoria iiled explan	ponds to a co on of feature), onal modificati al modification	rrection in an ea ion of feature) n) above categorid		2	R99 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	
	Reason for ch	ange: Ж	LOCATIC updating In TTCN paramete 2. TS 34 IMS In TTCN	ON UPDATE type" = nori implementa ers of LOCA .123-1 section attach/deta implementa	E REQUEST n mal, "CKSN" = tion of tc_9_4 TION UPDAT on 9.4.2.2.4.1 ach is allowed	essage v = <i>CKSN1,</i> _2_2_1 si E REQUE Initial Cor <i>in cells A</i> _2_2_1, <i>F</i>	with the followin " $LAI" = c, "Monormalized tep#21 does not ST message. Inditions specification and B but no$	ng parameters bile Identity" = ot verify the me es, t in cell C II A is not disal	"location TMSI1. entioned
	Summary of c	hange:	REQUES "CKSN"	ST message = CKSN1, "I	for following $AI'' = c$, "Mob	parameter ile Identity	s "location upo	dating type" = r	
	Consequences not approved:		The test	case TTCN	implementatic	on is not c	ompliant with T	rs 34.123-1.	
	Clauses affect	t ed:	TS 34.12	23-3 NAS AT	Stc_9_4_2_2	2_1.			
	Other specs affected:	ж	X T	ther core sp est specifica &M Specific	itions	ж			

Other comments:

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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 : location updating type, CKSN, LAI and Mobile Identity
Summary of change	At step#21 test step <i>ts_MM_LupRej</i> 2 is used to validate parameters in place of test step <i>ts_MM_LupRej</i> .

Source of change

Before change :

+ts_MMI_PLMN_SeiPerf(tcv_Cellinf oE.mnc)	Step 3 3.
+ts_MM_LupRe)(tsc_CellE, tsc_Re)CauPLMN_Not, tsc_LUT_Normal)	Steps 4-10: 4.

After change:

20	+ts_MMI_PLMN_SelPerf(tzv_CelInf	Step 3
	bE.mnc)	3.
21	+ts_MM_LupRej2(Steps 4-10:
	tsc_CellE,	4.
	tsc_ReiCauPLMN_Not	
	MobileIdTMSL iv,	
	tcv_CellinfoA.mcc,	
	tcv_CellinfoA.mnc,	
	tsc_LAC_3,	
	tsc_LUT_Normal,	
	tcv_CS_KeySeq)	

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_NumOIPLMN(=2)	Sets domain for testing a nd initializes the number of PLMNs
5	(0cv_CellinfoA.mns:=tsc_MNC_01 0, tcv_CellinfoA.lac:= tsc_LAC_3)	Set specific values for Ce II A

After change:

4	dcv_CN_Domain≫cs_domain, tev_NumOfPLMN≔2)	Sets domain for testing a nd initializes the number of PLMNs
5	0cv_CellinfoA.mnc:≍tsc_MNC_01 0, tcv_CellinfoA.lac≫ tsc_LAC_3, tcv_CellinfoA.attFlag≔ tsc_AttOff)	Set specific values for Ce II A

<< End of document>>

	CHANGE REQUEST	orm-v7
^೫ TS 3	4.123-3 CR 397 # rev - # Current version: 3.5.1 #	
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the pop-up text over the $lpha$ symbols	S.
Proposed change	affects: UICC apps# ME X Radio Access Network Core Networ	k
Title: अ	Correction to RRC Package 2 TC 8.4.1.18 and TC 8.4.1.19 for inconsistency in Sys Information Block 12.	stem
Source: ೫	Anite	
Work item code: भ्र	N/A Date: # 27/04/2004	
	F Release: % R99 Use one of the following categories: Use one of the following releases F (correction) 2 (GSM Phase 2) A (corresponds to a correction in an earlier release) R96 (Release 1996) B (addition of feature), R97 (Release 1997) C (functional modification of feature) R98 (Release 1998) D (editorial modification) R99 (Release 1999) Detailed explanations of the above categories can be found in 3GPP TR 21.900. Rel-4 (Release 5) Rel-6 (Release 6) Rel-6 (Release 6)	o 33,
Summary of chang	 Inter-frequency measurement system information = not press But currenty new intra-frequency cell id = 2, 6 and 7 are also include SIB 12. Also the Inter-frequency measurement system information is press containing settings for ID = 3, 4 and 5. 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. 	ent. d in sent,
Consequences if not approved:	# Test case will not be compliant with 34.123-1.	
Clauses affected:	ж <mark>N.A.</mark>	
Other specs affected:	Y N X Other core specifications % X Test specifications % X O&M Specifications %	
Other comments:	ж	

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- 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 <u>ftp://ftp.3gpp.org/specs/</u> 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	 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,
   intraFregCellinfoSI_List(
    removedintraFreqCellList removeNoIntraFreqCells : NULL,
    newIntraFreqCellList{
      intraFreqCelIID p_IntraCellinfo2.cellid,
      cellinfo {
       cellindividualOffset 0,
       referenceTimeDifferenceToCell OMIT,
       modeSpecificInfo fdd : (
        primaryCPICH_Info ( primaryScramblingCode p_IntraCellInfo2.priScrmCode ),
        readSFN_Indicator TRUE,
        tx_DiversityIndicator FALSE
       3.
       cellSelectionReselectionInfo (
        q_OffsetS_N 0,
        maxAllowedUL_TX_Power 21,
        modeSpecificInfo fdd:
         q_QualMin -24,
         g_FodevMin - 39 -- IE*2+1 = -79
        3
       }
      3
     ł,
       ł
        intraFreqCelIID p_IntraCellInfo3.celIId,
        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 :
           ł
            q_QualMin-24,
            q_RxlevMin -39 -- IE*2+1 = -79
           }
         }
        }
       },
```

```
{
    intraFreqCelIID p_IntraCellInfo7.celIId,
    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
      }
     }
    }
   },
   Ł
    intraFreqCelIID p_IntraCellInfo8.celIId,
    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
      3
     }
    -}
  }}
}},
interFreqMeasurementSysInfo {
interFreqCellInfoSI_List {
  removedInterFreqCellList OMIT,
  newInterFreqCellList { {
    interFreqCelIID p_InterCellInfo4.celIId,
    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 :
   ł
    q_QualMin-24,
    q_RxlevMin -39 -- IE*2+1 = -79
   }
  }
 }
},
ł
 interFreqCelIID p_InterCellInfo5.celIId,
 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
   }
  }
 }
},
ł
 interFreqCelIID p_InterCellInfo6.celIId,
 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_HC8 hcs_not_used : {
 cellSelectQualityMeasure cpich_RSCP : {
  intraFreqMeasurementSysInfo {
   intraFreqMeasurementID p_IntraFreqMeasurementID,
   intraFregCellInfoSI_List (
    removedIntraFreqCellList removeNoIntraFreqCells : NULL,
    newintraFreqCellList (
      intraFreqCeIID p_IntraCeIInfo2.ceIId,
      cellinfo (
      cellindividualOffset 0,
       referenceTimeDifferenceToCell OMIT.
       modeSpecificInfo fdd : {
       primaryCPICH_info { primaryScramblingCode p_intraCelInfo2.priScrmCode },
       readSFN_Indicator TRUE,
       tx_DiversityIndicator FALSE
       ł,
       cellSelectionReselectionInfo {
       q_OffsetS_N 0,
       maxAllowedUL_TX_Power 21,
        modeSpecificInfo fdd
        q_QualMin-24,
        q_RxlevMin -39 -- IE*2+1 = -79
       Ъ
    1)
  B.
  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
```

CHANGE REQUEST								CR-Form-v7	
ж	<mark>34.123-3</mark>	CR	398	ж rev	-	Ħ	Current vers	^{ion:} 3.5.1	ж
For <u>HELP</u> or	For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the $#$ symbols.							mbols.	
Proposed change affects: UICC apps # ME X Radio Access Network Core Network									
Title:	ж Correction	to App	roved Packag	ge 1 RRC	TC 8	.1.2.	2		
Source:	ଞ <mark>Racal Inst</mark>	ruments	<mark>s Wireless So</mark>	lutions, an	Aer	<mark>oflex</mark>	Company		
Work item code	: ೫ <mark>N/A</mark>						<i>Date:</i> ೫	14/06/2004	
Category:	F (col A (co B (ad C (fur D (ed	rrection) rrespond dition of actional r itorial mo planatio	wing categorie Is to a correctic feature), modification of to odification) ns of the above <u>R 21.900</u> .	on in an ear feature)		elease	2 R96 R97 R98 R99 R99 Rel-4	Rel-5 the following re (GSM Phase 2 (Release 1996) (Release 1997, (Release 1999) (Release 4) (Release 5) (Release 6))))

Correction to Approved Package 1 RRC Test Case 8.1.2.2				
# This document lists all changes applied to test case 8.1.2.2 required for approval.				
See detailed decription for more information.				
# Test case will not follow the coding guidelines of 34.123-3, and the test case is not				
following the prose.				
第 8.1.2.2				
YN				
X Other core specifications X				
X Test specifications 34.123-1				
X O&M Specifications				
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:

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- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
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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 approvalSource:Racal Instruments Wireless Solutions, an Aeroflex CompanyDocument for:Email ApprovalContact: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.

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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

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

Table 1: Example Change Table

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
	 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 ' <i>RACAL#IR_U</i> ', followed by a 4-digit number (e.g. <i>RACAL#IR_U</i> 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_Cap abilityUpdate (tcv_InitiaIUE_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:					

NITE	Label Behaviour Description Constraint Ref Verdict 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					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 1	TestBo	ly l			<u> </u>
		- -			
14		+ ts_CMAC_Pag1_Cfg (tsc_CellA)			
15		· to DDO Dolou / too Weithefourneries)			
10		+ ts_RRC_Delay (tsc_WaitBeforePaging)			step la <u>© sic Joerg</u> T1-040245
					sic @
16		MULTA MD DAR DRA AMADM + D	l		at any 1 mile
10		TM!RLC_TR_DATA_REQ START t_WaitMS (45000)	cas_PagingTypel (tsc_CellA, tsc_DellA,		step 1 The UE is paged
			tsc_RB_PCCH, cs_RRC_PagingTypel_NotifyIdleMode (by using an arbitrarily
			<pre>tcv_MIB.mib_ValueTag-tcv_MIB.mib_ValueTag+1 , tsc_SFN_15)</pre>		choosen SFN No. to get an initial
			·		an initial SFN value @si

18 Image: Comparison of the second secon				
Image: Section of the section of t				
Image: Section of Research Control (Res (Res (Res (Res (Res (Res (Res (Res	17	+ ts_RRC_Delay (5000)		@ sic Joerg T1-040245
$ \begin{vmatrix} \mathbf{r} & \mathbf{r}$	18			To <u>send</u> system information 5 and 7 Controls sic Joerg T1 040245 sic Corg Controls
Image:	19	+ te_SysInfoWodifySIB1_RRC (tse_CellA, cd_SIB1_T300 (tcv_CellInfoA), tse_SFN_15)		step 1b
12	20	<pre>+ ts_SysInfoModifySIB1_SIB5_SIB7_RRC (tsc_CellA, cd_SIB1_T300 (tcv_CellInfoA), cb_SIB5_2PRACH (tcv_CellInfoA), c_SIB7_Def_NoPrachSIB6_List, tsc_SPN_15)</pre>		To send system information 5 and 7 <u>© sic Joerg</u> <u>T1-040245</u> <u>sic @</u> @ sic Joerg ER 1511 sic @ @sic Racal
12 (LOPUE_1 = 0) 13 (LOPUE_1 = 0) 14 (LOPUE_1 = 0) 15 (LOPUE_1 = 0) 16 (LOPUE_1 = 0) 17 (LOPUE_1 = 0) 16 (LOPUE_1 = 0) 17 (LOPUE_1 = 0) 18 (LOPUE_1 = 0) 19 (LOPUE_1 = 0) 19 (LOPUE_1 = 0) 19 (LOPUE_1 = 0) 19	21	?TIMEOUT t_WaitMS		
14	22	+ ts_AT_InitConnection (tsc_CellA)		step 2
1 Image: Constraint of the second of the secon	23	(tcv_K := 0)		
18	24	+ lt_RRC_ConnReqOnDifferent_PRACH		step 3 - 5
Image: Section Sector Section Sector Section Sector Image: Section Section Section Sector Section Section Sector Section Section Sector Image: Section Sector Section Sector Section Section Sector Image: Section Section Sector Section Section Section Sector Section	25	REPEAT lt_Local1 UNTIL [tcv_K >= tsc_N300]		step 4
28	26	UMIRLC_UM_DATA_REQ	<pre>tes_CellDedicated, coas_RRC_ConnSetup(tec_CellA, tes_RBO, es_InvalidRRC_ConSetup (eu_cellIndInfo.dl_IntegrityCheckInfo, tev_RRC_Ti)+odr_RRC_InvalidConnSetupPCH_UE_CapabilityUpdate (tev_InitialUE_Id, tev_RRC_Ti, tev_CellInfoA.vpriScrmCode, tev_CellInfoA.uRNTI, tev_CellInfoA.uRNTI,</pre>	@sic Joerg T1-040236
Image: Start t_LowerBound Start t_LowerBound Image: Start	27	+ lt_Local2		step 7
Image: Start t_LowerBound (1800) 33 33 34		UMIRLC_UM_DATA_REQ	<pre>tsc_CellA, tsc_RBO, ods_RRC_ConnSetupFACH_UE_CapabilityUpdate (tcv_InitialUE_Id, tcv_RRC_Ti, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uRNTI , tcv_CellInfoA.tRNTI ,</pre>	This is a legal
Image: Start t_LowerBound (1800) 33 33 33 34		+ ts_RRC_ReceiveConnSetupCmpl (tsc_CellA)		step 10
It_Locall 32 START t_LowerBound (1800) 33 ? TIMEOUT t_LowerBound 34 + 1t_RRC_ConnReqOnDifferent_PRACH				
32 START t_LowerBound (1800) 33 ? TIMEOUT t_LowerBound 34 + 1t_RRC_ConnReqOnDifferent_PRACH				
33 ? TIMEOUT t_LowerBound		NUG11		
34 + lt_RRC_ConnRegOnDifferent_PRACH step 3 is	32	START t_LowerBound (1800)		
	33	? TIMEOUT t_LowerBound		
	34	+ lt_RRC_ConnReqOnDifferent_PRACH		

35		+ ts_CalculateActTime (tsc_CellA)				
36	TBF1	TM?RLC_TR_DATA_IND	<pre>car_RRC_ConnReq (tsc_CellA, *, cdr_RRC_ConnReqUE_Id (*))</pre>	(F)		
37		CANCEL t_LowerBound				
lt_	Local2		I	I		
38	TBP3	TMYRLC_TR_DATA_IND (tov_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity)	<pre>car_RRC_ConnReq (tsc_CellA, tsc_RB0, cr_RRC_RrcConnReqMO_Err (tcv_RRC_EstCauMO))</pre>	(₽)	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)	<pre>Car_RRC_ConnReq (tsc_CellA, tsc_RB_2ndCCCH, cr_RRC_RrcConnReqMO_Err (tcv_RRC_EstCauMO))</pre>	(P)	RRC Connection Request with 'Protocol error indicator' set to TRUE, sent on RB_2_CCCH	
41		+ ts_CalculateActTime (tsc_CellA)				
lt	RRC Co	 nnRegOnDifferent_PRACH				
42	TBP1	<pre>TMYRLC_TR_DATA_IND (tcv_InitialUE_Id := RLC_TR_DATA_IND.tM_message.uL_CCCH_Message.message.rrcConnectionRequest.initialUE_Identity, tcv_K := tcv_K + 1)</pre>	<pre>car_RRC_ConnReg (tsc_CellA, tsc_RB0, cdr_RRC_ConnRegUE_Id (tcv_RRC_EstCauMO))</pre>	(P)	step 3 - 5, sent on RBO	
43	TBP2	<pre>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)</pre>	<pre>car_RRC_ConnReq (tsc_CellA, tsc_RB_2ndCCCH, cdr_RRC_ConnReqUE_Id (tcv_RRC_EstCauMO))</pre>	(P)	step 3 - 5, sent on RB_2_CCCH	
44		<pre>+ts_ReconfigSRBs_DTCH_toSecondRACH (tsc_CellA)</pre>				
Det	Detailed Comment:					

4.4 Change 2 - Test step name ts_SendSIB5_BMC

Reason This step is broadcasting SIB5 using systemInformationBlockType16 in the constraints for change

Summary replace systemInformationBlockType16 by systemInformationBlockType5 in all occurrences in **of change** 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 PRAC two SCCPCH					

_					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		<pre>(tcv_Segs := o_SIB_Segmentation (o_SIB_PER_Encoding (sIB5 : p_SIB)))</pre>			1.
2		[tcv_Segs.segCount >8]		I	2.
3		[tcv_Segs.segCount <=8]			
4		+lt_SendNoSegments			
5		[tcv_Segs.segCount = 1]			
6		<pre>(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)</pre>			
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		<pre>(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)</pre>			
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	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_<u>DILMsgFirst(systemInformationBlockType16,</u> cs_SIE_MsgFirst(systemInformationBlockType5, 2, tcv_Segs.segl))</pre>		4. <u>@sic</u> Racal <u>sic@</u>

17	+ts_Scheduling (p_CellId, 7, 21, p_Timing)		5.
18	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
19	[LENGTH_OF (tcv_Segs.seg2) <= 214]		
20	TM!RLC_TR_DATA_REQ	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, es_<u>SIB_MagLastShort(systemInformationBlockType16, cs_SIB_MsgLastShort(systemInformationBlockType5, 1, tcv_Segs.seg2))</u></pre>	6.@sic Racal sic@
21	[TRUE]		
22	TM!RLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_SIB_MsgLast(systemInformationBlockType16, cs_SIB_MsgLast(systemInformationBlockType5, 1, tcv_Segs.seg2))</pre>	6.@sic Racal sic@
23	[tcv_Segs.segCount = 3]		
24	<pre>(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)</pre>		
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	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_EIB_MsgFirst(systemInformationBlockType16, cs_SIB_MsgPirst(systemInformationBlockType5,_3, tcv_Segs.segl))</pre>	4.@sic Racal <u>sic@</u>
29	+ts_Scheduling (p_CellId, 7, 21, p_Timing)		5.
30	CMAC?CNAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
31	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, cs_BIB_MsgCubacquent(systemInformationBlockType16, cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))</pre>	6.@sic Racal <u>sic@</u>
32	+ts_Scheduling (p_CellId, 7, 22, p_Timing)		7.
33	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
34	[LENGTH_OF (tcv_Segs.seg3) <= 214]		
35	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, cs_<u>SIB_MegLastShort(systemInformationBlockType16,</u> cs_SIB_MsgLastShort(systemInformationBlockType5, 2, tcv_Segs.seg3))</pre>	8. <u>@sic</u> Racal sic@
36	[TRUE]		
37	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, cs_<u>SIB_MsgLast(systemInformationBlockType16,</u> cs_SIB_MsgLast(systemInformationBlockType5, 2, tcv_Segs.seg3))</pre>	8.@sic Racal sic@
38	[tcv_Segs.segCount = 4]		
39	<pre>(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)</pre>		
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	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, cs_BIB_MsgFirst(systemInformationBlockType16, cs_SIB_MsgFirst(systemInformationBlockType5, 4, tcv_Segs.segl))</pre>	4.@sic Racal <u>sic@</u>
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	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_BIB_MagGubacquent(systemInformationBlockType16, cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))</pre>	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	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_<u>SIB_MagGubacquent(systemInformationBlockType16</u>, cs_SIB_MsgSubacquent(systemInformationBlockType5, 2, tcv_Segs.seg3))</pre>	8.@sic Racal <u>sic@</u>
50	+ts_Scheduling (p_CellId, 7, 23, p_Timing)		9.
51	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
52	[LENGTH_OF (tcv_Segs.seg4) <= 214]		
53	TM!RLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_<u>51B_MsgLastShort(systemInformationBlockType16,</u> cs_<u>51B_MsgLastShort(systemInformationBlockType5,</u> 3, tcv_Segs.seg4))</pre>	10.@sic Racal sic@
54	[TRUE]		
55	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_<u>51B_MsgLast(systemInformationBlockType16,</u> cs_SIB_MsgLast(systemInformationBlockType5, 3, tcv_Segs.seg4))</pre>	10.@sic Racal <u>sic@</u>
56	[tcv_Segs.segCount = 5]		
57	<pre>(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)</pre>		
58	+ts_ChangeMIB_ValueTag		
59	+ts_Scheduling (p_CellId, 7, 19, p_Timing)		3.
60	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
61	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_<u>SIB_MegFirst(systemInformationBlockType16,</u> cs_<u>SIB_MegFirst(systemInformationBlockType5,</u> 5, tcv_Segs.seg1))</pre>	4.@sic Racal sic@
62	+ts_Scheduling (p_CellId, 7, 21, p_Timing)		5.
63	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
64	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_BIB_MagSubsequent(systemInformationBlockType16, cs_SIB_MagSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))</pre>	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	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_BIB_MagGubsequent(systemInformationBlockType16, cs_SIB_MsgGubsequent(systemInformationBlockType5, 2, tcv_Segs.seg3))</pre>	8.@sic Racal <u>sic@</u>
68	+ts_Scheduling (p_CellId, 7, 23, p_Timing)		9.
69	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
70	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, cs_<u>SIB_MegSubsequent(systemInformationBlockType16,</u> cs_<u>SIB_MegSubsequent(systemInformationBlockType5,</u> 3, tcv_Segs.seg4))</pre>	10. <u>@sic</u> 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	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_GIB_MsgLastChort(systemInformationBlockType16, cs_SIB_MsgLastShort(systemInformationBlockType5, 4, tcv_Segs.seg5))</pre>	12.@sic Racal sic@
75	[TRUE]		
76	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, es_<u>SIB_MegLast(systemInformationBlockType16,</u> cs_SIB_MsgLast(systemInformationBlockType5,_4, tcv_Segs.seg5))</pre>	12.@sic Racal sic@
77	[tcv_Segs.segCount = 6]		
78	<pre>(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)</pre>		
79	+ts_ChangeMIB_ValueTag		
80	+ts_Scheduling (p_CellId, 7, 19, p_Timing)		3.
81	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
82	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_SID_MsgFirst(systemInformationBlockType16, cs_SIB_MsgFirst(systemInformationBlockType5, 6, tcv_Segs.seg1))</pre>	4.@sic Racal <u>sic@</u>
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	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_SIB_MegSubsequent(systemInformationBlockType16, cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))</pre>	6.@sic Racal sic@
86	+ts_Scheduling (p_CellId, 7, 22, p_Timing)		7.
87	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
88	TM!RLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_SIB_MsgSubsequent(systemInformationBlockType16, cs_SIB_MsgSubsequent(systemInformationBlockType5, 2, tcv_Segs.seg3))</pre>	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	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_SID_MsgSubsequent(systemInformationBlockType16, cs_SIB_MsgSubsequent(systemInformationBlockType5, 3, tcv_Segs.seg4))</pre>	10.@sic Racal <u>sic@</u>
92	+ts_Scheduling (p_CellId, 7, 35, p_Timing)		11.
93	CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
94	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_SIB_MagSubsequent(systemInformationBlockType16, cs_SIB_MsgSubsequent(systemInformationBlockType5, 4, tcv_Segs.seg5))</pre>	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	<pre>ca_TR_DataReq(p_CellId, tsc_RR_BCCH, es_SIR_MegLastShort(systemInformationBlockTypal6, cs_SIR_MsgLastShort(systemInformationBlockType5, 5, tcv_Segs.seg6))</pre>	14.@sic Racal sic@
99	[TRUE]		
100	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_SID_MsgLast(systemInformationBlockType16, cs_SIB_MsgLast(systemInformationBlockType5, 5, tcv_Segs.seg6))</pre>	14.@sic Racal <u>sic@</u>

[tcv_Segs.segCount = 7]		
<pre>(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)</pre>		
+ts_ChangeMIB_ValueTag		
+ts_Scheduling (p_CellId, 7, 19, p_Timing)		3.
CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, ca_<u>SIB_MegFiret(aystemInformationBlockType16,</u> cs_SIB_MegFirst(systemInformationBlockType5, 6, tcv_Segs.seg1))</pre>	4. <u>@sic</u> Racal sic@
+ts_Scheduling (p_CellId, 7, 21, p_Timing)		5.
CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_SID_MagSubsequent(systemInformationDlockType16, cs_SIB_MagSubsequent(systemInformationDlockType5, 1, tcv_Segs.seg2))</pre>	6.@sic Racal sic@
+ts_Scheduling (p_CellId, 7, 22, p_Timing)		7.
CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH,</pre>	8.@sic Racal <u>sic@</u>
+ts_Scheduling (p_CellId, 7, 23, p_Timing)		9.
CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, cs_SIB_MagSubsequent(systemInformationBlockType16, cs_SIB_MagSubsequent(systemInformationBlockType5, 3, tcv_Segs.seg4))</pre>	10.@sic Racal <u>sic@</u>
+ts_Scheduling (p_CellId, 7, 35, p_Timing)		11.
CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, cs_SIB_MsgSubsequent(systemInformationBlockType16, cs_SIB_MsgSubsequent(systemInformationBlockType5, 4, tcv_Segs.seg5))</pre>	12.@sic Racal sic@
+ts_Scheduling (p_CellId, 7, 37, p_Timing)		13.
CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH,</pre>	14.@sic Racal sic@
+ts_Scheduling (p_CellId, 7, 38, p_Timing)		15.
CMAC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
[LENGTH_OF (tcv_Segs.seg7) <= 214]		
TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH,</pre>	16.@sic Racal <u>sic@</u>
[TRUE]		
TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, cs_GID_MsgLast(systemInformationBlockType16, cs_SIB_MsgLast(systemInformationBlockType5, 6, tcv_Segs.seg7))</pre>	16.@sic Racal <u>sic@</u>
[tcv_Segs.segCount = 8]		
	<pre>(tev_MCB.sibSb_ReferenceList. [5].sibSb_Type.sysInfoType5) NOD 4 + 1, tev_MCB.sibSb_ReferenceList. [5].scheduling := c_SIES_Cohenil7_SMC) +te_ChangeKIE_ValueTag +te_ChangeKIE_ValueTag +te_Scheduling (p_CellId, 7, 19, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ +te_Scheduling (p_CellId, 7, 21, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ +te_Scheduling (p_CellId, 7, 22, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ +te_Scheduling (p_CellId, 7, 23, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ +te_Scheduling (p_CellId, 7, 35, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ +te_Scheduling (p_CellId, 7, 35, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ +te_Scheduling (p_CellId, 7, 37, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ +te_Scheduling (p_CellId, 7, 38, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ +te_Scheduling (p_CellId, 7, 38, p_Timing) CMAC7CMAC_SYSINFO_Config_CNF THIRLC_TE_DATA_REQ THIRLC_TE_DATA_REQ THIRLC_TE_DATA_REQ THIRLC_TE_DATA_REQ THIRLC_TE_DATA_REQ THIRLC_TE_DATA_REQ THIRLC_TE_DATA_REQ</pre>	International and production (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)

129	<pre>(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)</pre>		
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	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, es_GIB_MsgFirst(systemInformationBlockType16, cs_SIB_MsgFirst(systemInformationBlockType5, 6, tcv_Segs.segl))</pre>	4.@sic Racal <u>sic@</u>
134	+ts_Scheduling (p_CellId, 7, 21, p_Timing)		5.
135	CMAC?CMAC_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
136	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, cs_<u>STB_MegSubsequent(systemInformationBlockTypel6,</u> cs_SIB_MsgSubsequent(systemInformationBlockType5, 1, tcv_Segs.seg2))</pre>	6. <u>@sic</u> 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	<pre>ca_TR_DataReq(p_CellId, tsc_RB_BCCH, ca_<u>STB_MagGubsequent(systemInformationBlockType16</u>, cs_SIB_MsgSubsequent(systemInformationBlockType5, 2, tcv_Segs.seg3))</pre>	8.@sic Racal <u>sic@</u>
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	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, es_GIB_MsgSubsequent(systemInformationBlockType16, cs_SIB_MsgSubsequent(systemInformationBlockType5, 3, tcv_Segs.seg4))</pre>	10.@sic Racal <u>sic@</u>
143	+ts_Scheduling (p_CellId, 7, 35, p_Timing)		11.
144	CMAC?CMAC_SYSINFO_Config_CNF	<pre>ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)</pre>	
145	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, ca_SIB_MgSUbsequent(systemInformationBlockTypel6, cs_SIB_MsgSubsequent(systemInformationBlockType5, _4, tcv_Segs.seg5))</pre>	12.@sic Racal sic@
146	+ts_Scheduling (p_CellId, 7, 37, p_Timing)		13.
147	CMAC?CMAC_SYSINF0_Config_CMF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)	
148	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, eg_<u>5HB_MsgSubsequent(systemInformationBlockType16,</u> cs_<u>SHB_MsgSubsequent(systemInformationBlockType5,</u>5, tcv_Segs.seg6))</pre>	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	TMIRLC_TR_DATA_REQ	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, eg_SIB_MgGUbsequent(systemInformationBlockType16, cs_SIB_MgSUbsequent(systemInformationBlockType5, 6, tcv_Segs.seg7))</pre>	16.@sic Racal <u>sic@</u>
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	<pre>ca_TR_DataReg(p_CellId, tsc_RB_BCCH, es_GID_MsgLastShort(systemInformationBlockType16, ca_SIB_MsgLastShort(systemInformationBlockType5, 7, tcv_Segs.seg8))</pre>	18.@sic Racal <u>sic@</u>
156	[TRUE]		
·			

157		TM!RLC_TR_DATA_REQ	ca_TR_DataReq(p_CellId, tsc_RB_BCCH,		18.@sic	
			<pre>cs_SIB_MsgLast(systemInformationBlockType15, cs_SIB_MsgLast(systemInformationBlockType5, 7, tcv_Segs.seg8))</pre>		Racal sic@	
lt_C	lt_CompleteSIB (p_SIBType : SIB_Type)					
158	[L]	ENGTH_OF (tcv_Segs.seg1) = 226]				
159	TM	IRLC_TR_DATA_REQ	<pre>ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgCmpl (p_SIBType, tcv_Segs.segl))</pre>		4.	
160	[TI	RUE]				
161	TM	IRLC_TR_DATA_REQ	<pre>ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgCmplList1 (p_SIBType, tcv_Segs.segl))</pre>		4.	
lt S	endNoSegmer	nts				
162	+ts_	_Scheduling (p_CellId, 7, 21, p_Timing)			5.	
163	CM	AC?CMAC_SYSINFO_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)			
164	TI	MIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)</pre>		19.	
165		+ts_Scheduling (p_CellId, 7, 22, p_Timing)	İ		7.	
166		CMAC?CMAC_SYSINF0_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		TWIRLC_TR_DATA_REQ	<pre>ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)</pre>		19.	
					11.	
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	<pre>ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)</pre>		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		TMIRLC_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_SYSINF0_Config_CNF	ca_SysInfoCfgCnf (p_CellId, tsc_RB_BCCH)			
179		TMIRLC_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		TMIRLC_TR_DATA_REQ	ca_TR_DataReq (p_CellId, tsc_RB_BCCH, cs_SIB_MsgNoSegment)		19.	
Deta	iled Commen	1. Unaligned PER encoding of the SIB5 then segmentation. 2. The segmentation shall result in one to eight segments for	the SIDE (guypent acquimption)			
		 3. Send the scheduling info to SS. (one segment; REP=128; POS- 4. Construct the system information message containing the fin 	=19).			
		 Send the scheduling info to SS. (one segment; REP=128; POS= Construct the system information message containing the sec 	=21). cond segment of SIB5 and send it to SS.			
		 Send the scheduling info to SS. (one segment; REP=128; POS- 8. Construct the system information message containing the thi 9. Send the gendenlying info to SS. (one segment: REP=128; POS- 8. Construct the system information message containing the thi 9. Send the gendenlying info to SS. 	ird segment of SIB5 and send it to SS.			
		 Send the scheduling info to SS. (one segment; REP=128; POS- 10. Construct the system information message containing the for 11. Send the scheduling info to SS. (one segment; REP=128; POS 	orth segment of SIB5 and send it to SS.			
		12. Send the scheduling info to SS. (one segment; REP=128; PO 13. Send the scheduling info to SS. (one segment; REP=128; PO	ifth segment of SIB5 and send it to SS.			
		 Construct the system information message containing the si Send the scheduling info to SS. (one segment; REP=128; POS 	ixth segment of SIB5 and send it to SS. S=38).			
		 Construct the system information message containing the set Send the scheduling info to SS. (one segment; REP=128; POS 	eventh segment of SIB5 and send it to SS. S=39).			
		 Construct the system information message containing the ei 19. Send no segment system information message to SS when the 				

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.
	 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:	Sy#InfoType5				
Derivation Path:					
Encoding Variation:					
Comments:	system information block type 5 with 2 PRACH				
	Constraint Value				
<pre>}, prachlend { prach_RACH_Info { modeSpecificInfo fdd : { availableSignatures tsc_PRACHI_Signatures, availableSignatures tsc_PRACHI_SerC, preambleScramblingCodeWordNumber tssc_PRACHI_SerC, tsc_PRACH2_SerC, puncturingLimit pll, availableSubChannelNumbers 'llllllllll'B } }, transportChannelIdentity tssc_RACHI, transportChannelIdentity tssc_RACHI, transportFormatSet commonTransChTFS : c_RACH_TFS_UE, rach_TFCS normalTFCI_Signalling : complete : { } } </pre>					

Test	: Step Id:	:	ts_SysInfoModifySIB1_SIB5_SIB7_RRC (p_CellId: INTEGER; p_SIB1 : SysInfoType1; p_SIB5 : SysIr INTEGER)	nfoType5; p_SIB7 : Sys	InfoType7;	p_Timing:
Test	: Step Gro	oup Ref:	RRC_Specifc/			
Obje	ective:		To modify the the contents of SIB1, SIB5, SIB 6 and SIB7			
	ults:		InitOtherwiseFail			
Com	ents:					
Nr	Label		Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_RAT	= fdd]			
2		<u>+ts</u>	_SendSIB5_BMC(p_SIB5, p_CellId, p_Timing)			
<u>3</u>			+ts_SendSIB7_MulRatOrBMC(p_SIB7, p_CellId, p_Timing)			
4			<pre>+ts_SendSIB1_MulRatOrBMC (p_SIB1, p_CellId, p_Timing)</pre>			
5			<pre>+ts_SendSB1_MulRatOrBMC (tcv_SB1, p_CellId, p_Timing)</pre>			
<u>6</u>			<u>+ts_SendMIB (tcv_MIB, p_CellId, p_Timing)</u>			
<u>7</u>	ERR1	[px_RAT	= tdd]		Ī	

4.6 Change 4 - New test step ts_SysInfoModifySIB1_SIB5_SIB7_RRC

4.7 Change 5 - New test step ts_ReconfigSRBs_DTCH_toSecondRACH

Tes	st Step	Id:	<u>ts_ReconfigSRBs_DTCH_toSecondRACH (p_CellId : INTEGER)</u>				
Tes	st Step	Step Group Ref: BasicM_SS_Configuration_Steps/					
Obj	jective	:	To configure .	AICH2 and PRACH2 physical channels and connect RACH2 onto PRACH2, then map one	logical (channel (CCCH) to RACH	
Def	aults:		<u>SS_Def</u>				
Con	ments:						
Nr	Label	Behaviour	Description	Constraint Ref	Verdict	Comments	
1		+ts SetTmpC	ellInfo				
_		(p_CellId)					
2		[px_RAT = f	<u>dd]</u>				
<u>3</u>		CMAC ! CMAC	_Config_REQ	<pre>ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_PRACH1, c_UE_Info (OMIT, OMIT), cb_TrChInfoRACH1, cb_TrLogMappingRACH2)</pre>		mapping CCCH to RACH 1. C-RNTI and U-RNTI are not needed on	
4		CMAC ? CMAC	_Config_CNF	<u>ca_CMAC_CfgCnf (p_CellId, tsc_PRACH1)</u>			
5		CMAC ! CMAC	<u>Config_REQ</u>	<pre>ca_CMAC_ReconfigInfoActNow (p_CellId, tsc_PRACH2, c_UE_Info (OMIT, OMIT), cd_TrCHInfoRACH2, c_TrLogMappingRACH2_DTCH)</pre>		mapping CCCH, DCCH and DTCH to RACH. <u>C-RNTI and U-RNTI are not needed</u>	
<u>6</u>		CMAC ? CMAC	_Config_CNF	ca_CMAC_CfgCnf(p_CellId, tsc_PRACH2)			
<u>7</u>	ERR1	[px_RAT = t	<u>dd]</u>		Ī		
<u>8</u>	ERR2	[TRUE]			ī		

ERR2

[TRUE]

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			
CONSCIALLE VALUE				
REPLACE ulconnectedI	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

			C	HANG	E REQ	UE	ST				CR-Form-v7
ж	<mark>34.1</mark>	<mark>23-3</mark>	CR	399	жrev	-	ж	Current vers	ion:	3.5.1	ж
For <u>HELP</u> on	using	this foi	rm, see	bottom of th	nis page or	look a	at the	e pop-up text	over	the	nbols.
Proposed change affects: UICC apps # ME Radio Access Network Core Network											
Title:	<mark>⊯ Cor</mark> i	rection	s to RR	C test case	6.2.1.1						
Source:	<mark>⊮ Roh</mark>	de⪼	hwarz								
Work item code: 8	<mark>€ N/A</mark>							<i>Date:</i> ೫	15/	06/04	
Category: 3	Deta	F (con A (cor B (add C (fun D (edi iiled exp	rection) respond lition of ctional r torial mo planation	wing categori ls to a correct feature), nodification of odification) ns of the abov R 21.900.	ion in an ea f feature)		eleas	Release: ¥ Use <u>one</u> of 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the fo (GSN (Rele (Rele (Rele (Rele (Rele (Rele	-	eases:
Reason for chang	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 chan	ige:	This c	locume	nt lists the a	dditional ch	nange	es to	be applied to	test o	case 6.2.1	.1.
Consequences if not approved:	ж	The T	est cas	e will not op	erate prope	erly.					

Clauses affected:	ж	N//	A			
		Y	N			
Other specs	Ħ		Χ	Other core specifications	ж	
affected:			Χ	Test specifications		
			Χ	O&M Specifications		
Other comments:	ж					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm.</u> 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 <u>ftp://ftp.3gpp.org/specs/</u> 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

ж**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).

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3 Verification Test Summary

Test Case:	tc_6_2_1_1
Test Group:	DualldleMode/
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 DualldleMode 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):

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

Table 1: Example Change Table

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	
	Test Case

		Test Case				
Tent Case Id						
	eference: DualidieMode/					
weese		e UE selects the context combination of PLMV and associated access technology according to the fields on the USM.				
Configuratio						
Defaulte:	intersystemDef					
Convente:	BUC IMPP					
Nr Label		Exhariour Description		Cameverts		
	START (_Ouard					
2	[px_RAT+16d]			FOD specific behaviour		
1	+t_IniVariables					
4	+ 1s_10105pecific588_3Ax					
5	-ts_SS_CreateCellFACH			Configure lower tester for cell D		
•	-ts_SendDefSysinto_Pi			Sends the default system information in Cell®		
r	+N_SE_CYEMOCHIFAC			Configure lower toster cell A VM#203RRC0110		
8	+ts_SendDefSysinfs_P	LMN_PAT(bx_CellA)		Sends the default system informatio in Cell A Weat203899(C0110		
9	ts_CreateCell_OGM_	Comb (tsc_OSM_CellA)				
10		GBI_WB/GSD3eeBuc_GSBI_CellAduc_PhyCh0, P/T_TO_BIT (bry_CellindoAdrepareopinto.modeEpecificietuited_aartur_DL_14]_MT_TO_BIT a.modeEpecificinto.fdd.uartur_DL_14()tuc_G_QSearch_(100193(00193)				
11	-ts_CreateCol_08M	_Camadox_08M_Called				
12		05M_Web35i2terEsc_05M_Cel85.tec_PhyCh8_NT_T0_BIT dov_Cel8nb5A.tequencyInts modeSpecificInts.ftd.uertin_DL_14UNT_T0_BI formodeSpecificInts.tdd.uertin_DL_14Usc_0_GSeenth_V1887B;087B0				
12	<t_localtext< td=""><td></td><td></td><td></td></t_localtext<>					
14	+ps_CannedianAn	\$31,Res		To release all the configured but not eleased cells		
16	+8_PO_0_55_R#	BOLES		To remake all the configured but net eleased OSM colls		
	[px_FAT=titd]			TOD specific behaviour		
17 ERR2	TRUE		1			
LLocattest						
18 185	ftre_TextBody=TRUE)					
19	<pre>-ts_MMI_Cred ('Please in</pre>	ment USIM A can't (tee 6.3.1.1.4 in 34.123-1)*)		Request to inset the USIM A in the U E TEST STEP A WA#203RRC0111		
20	+bs_MMI_Cred ("Please of	witch on the UE*)		Request to switch on the mobile . (T ST STEP D)		
21	DOJEPEMANACTATION					
22	rts_05M_NormalRegist			(TEST STEP C)Method C		
22	-ts_MM_Crnd ("Please	rwith of the UP')		Request to Manually select PLMN 3		
24	START LD (10880)			(TEST STEP H) Process any O_L3_Access_lads for MSI detach in the default whilet wait g for timer exploy/MMDSGRRC0258		
25	TIMEOUT LOW			WM#203R91C0296		
26	+ts_MHL_Cred ("Please	ie insert USM 8 card (see 6.2.1.1.4 in 34.123-1) ")		Request to inset the USIAI B in the I E TEST STEP D WAR203RRC0111		

27		rts_MM_Cond ("Please overch on the UE")	Request to switch on the mobile . (1 57 575P E)
9		-ta_ViamaiRegistration (tar_Celli)	(TEST STEP F) Method C
9	196	tra_TestBodysFALSE)	
0		(7WUE)	
1		Hs_H0_RecardFACH_ToFACH@sc_CellB.tsc_CellM	
12		-st_Reg_UMTS_st_GSM_dst_CellA_tst_GSM_CellA_	
33		Dis_AcceptDelactPressPressousCell > TRUE)	Allow acceptance of RMCConstitu- with cause fieldon if a UTRING cell is as been accessed previously. Web20 3KH C0282
14		+ts_MMLCred ("Please switch of the UE")	Prepared to Hamaely select PLMN 3 (TEST STEP He
15		START_C0(0000)	Process any 0_L2_Access_inds for MSI detach in the default whilst wait g for firmer expire VMA20080700288
26		PTMEOUTLDY	WM#2G3RRC0296
17		-ts_MM_Crud ("Please inset/UBM 8 card (see 6.2.1.1.4 is 34.12)-17")	Request to insert the USIM 8 is the 1 6 TEST STEP D WHPOGRAPHCOTT1
38		Em_Acros/DelectPrent/PrenousColl > PALSED	Allow Acceptance of PRIC_Constitute with cause fieldon' if a UTPAN cell is as been accessed previously. VMP20 3RR C0282
39		*ts_MML_Cred (*Please switch on the UE*)	Request to switch on the mobile . (1 ST STEP E)
0		HL_HO_RECONFACH_TOFACHERS_CONF. ADD_MARKET_RECONFERENCE_DOWN_DOWN_DOWN_DOWN_DOWN_DOWN_DOWN_DOWN	ATOT OTED D. Honord D.
11		Hs_Reg_UMTR_or_6000 (to:_0400, to:_0400)	(TEST STEP F) Method C
12	(Nariab)	dev_TerBody=PALSE)	
ia i		-ts_RRC_init/asidesized_FACH	
14		+N_00M_INDVINERS_TWOCKIN	mittalises the Variables depending in the OSM Band under usage For al Cells.
ю.		+ E_TU_SavdSpetifitMiddag	
65		(by_CellinitA_modenia_MCC_PLANH_pdy_CellinitA_mmontac_INHO_PLANH_pdy_CellinitA_lacewtac_LAO_PLANH_pdx_CellinitA_madenia_FAO_PLANH_pdx_CellinitA_ advanuationLand_mtx_CellinitA_powerpCPHCH+68_dxy_CellinitA_adFlag = tac_ABOn()	Initialize CELL A Variable as the test case demands VAR/2037/900010
67		(bv_C+limbBcreachts_MCC_FLMNG3v_CellimbBcreachts_MNC_FLMNG3v_CellimbBctechts_LAC_FLMNG3v_CellimbBcreachts_RAC_FLMNQ1v_Cellimb BadersadanLewints_CellimbB powepCPICH+IB5tv_CellimbB adFlag = tac_ABOnj	Initialize CELL S Variable as the test case demands WA#203RRC0110
69		<pre>bv_0_CellinbAmacute_MCC_PLMM13v_0_CellinbAmacute_JINC_PLMM33v_0_CellinbAlacute_JAC2_PLMM33v_0_CellinbAdowilinPoweLevel rbs_0_DL_PoweLevel_66EW)</pre>	Teldadge O'CELL A Variable as the tel 1 case devicands WM#200494C0225
40		Bin_0_Celliniti8.net=hit_MCC_PLIN2.in_0_Cellini8.net=hit_HNC_PLIN2.in_0_Cellini6.iet=hit_LAC2_PLIN2.in_0_Cellini6.iet=hit_LAC2_PLIN2.in_0_Cellini6.iet=hit_LAC2_PLIN2.in_0_Cellini6.iet=hit_LAC2_PLIN2.in_0_Cellini6.iet=hit_LAC2_PLIN2.in_0_Cellini6.iet=hit_LAC2_PLIN2.in_0_Cellini6.iet=hit_LAC2_PLIN2.in_0_Cellini6.iet=hit_LAC2_PLIN2.int_0_Cellini6.int_0_{AC2}_PLIN2.int_0_{AC2}_PLIN	Teste Benands WM203PPC0275
	0_0_95	Pakeses	A second s
i0 i1		-to_06M_92_CellHelensetts_06M_Cell9	G cell A switched of
		-NLOOM.BL.COMVENIES.COM.COM	O CELE OWEIPOR NT
		Geetificinitistang	
92.		[p_Operation#andbags = 1]	
53		[By_Delivity] = v_Delivity[]st_Delivity]= v_PriormCeleo IMDD 5125.]st_Delivity_Celev. Bit_Delivity_State(0, 0)_PriorMCEL_OPPENDENT_CelevenDingCode +1080 MOD 18777218(3)	
54		(bx_Cellinb0 = t_CellinbOff (bt_Cell0, ((ar_Pr0cmCede + 51)H0D 512),	
		bit_UPA_dCellB_bit_CPNT, pt_TCellB_bit_SPNL0PielB_1_PepiPielB_2_0pt_UL_ScientifingCode +2000.M0D18777216(3)	
8		[pc_CeensionBandbugp = 2] ftrCellinds r Cellindoff (trc_Cells, (pc_PriCorrected \$ MOD \$12),	
57		ter_URA_MCAIA_ter_GRATT, pr_TOAIA, ter_BFN_OffeeA, c_FreehrloCh1_Band2, (pr_UL_ScramblingCode +1880) MOD 16777218) ((tra_cellintki = c_CellintkOH7)	
		<pre>bt_Cell8, ((pt_FtStrmCode + 50) MOD 512), bt_UFA_idOell8, ttr_CFN/II, pt_TCell0, ttr_EFN_0fbat8, t_Fteqht8Ch2_Band3, (pt_UL_StrantbingCode +3000) MOD 16777210())</pre>	
8		(p_OperationBandbags = 3)	
99		Rev_Delevise > t_Cellerio/ff(Se_Delevise > t_Cellerio/ff() Se_Delevise the Cellerio + 500 MOD 512.	
90		No., LER, JACKER, N.L., CHIMT, JK., TCHA, No., SPAL, OffiniA, C., Freghtocht, Raest, Qu., U., StrandingCode +1000, MOD 1977/2103 Bin, Cellentid > 1, Cellentid Bit, No., Cellentid > 1, Cellentid Bit, No., Freehouse + 503 MOD 512,	
		51-URA_ACHER_NH_CRWIT_pt_TCHIR_DO_STIL_0FX408.1+_FVegHtDCR2_Bank3_(0x_UL_DorandergCode+2000 MOD 18177210))	

4.4 Other modifications relevant for tc_6_2_1_1

TTCN object	tsc_CipheringMode	Command_Msg_Type					
Reference ATS	IR_U_wk20.mp [3]	R_U_wk20.mp [3]					
Change Label	inge Label WA#2G3RRC0210						
Reason for change	Incorrect coding of	Incorrect coding of GSM message type.					
Summary of change	Change the value to '35'O.						
Other affected objects	tsc_CipheringMode	Complete_Msg_Type					
ETSI comment							
R&S conclusion							
tsc_CipheringModeCommand_Msg_Ty	pe 01	35'0	Message type for CIPHERING MODE COM MAND WAR293RRC0210				

4.4.1 tsc_CipheringModeCommand_Msg_Type

4.4.2 tsc_CipheringModeComplete_Msg_Type

TTCN object	tsc_CipheringModeComplete_Msg_Type						
Reference ATS	IR_U_wk20.mp [3]	₹_U_wk20.mp [3]					
Change Label	ange Label WA#2G3RRC0210						
Reason for change	Incorrect coding of	Incorrect coding of GSM message type.					
Summary of change	Change the value t	Change the value to '32'O.					
Other affected objects	sc_CipheringModeCommand_Msg_Type						
ETSI comment							
R&S conclusion							
tsc_CipheringModeComplete_Msg_Typ	e 01	32'0	Message type for ciphering mode complet eWw#203RRC0210				

4.4.3 tcv_AcceptDetachFromPreviousCell

TTCN object	tcv_AcceptDetachFromPreviousCell					
Reference ATS	New					
Change Label						
Reason for change						
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						
Tors_AcceptDistactProm/Previous Cell	BOOLEAN	PALEE	Set to TRUE when the UE to adjoined to leave a provide the interest UTRAN and dippoint as the set of bango, and w is dead an RRC_Consector/Reg message with same to Pack in this case. [VMP2032RC032]			

4.4.4 ts_G_RR_Con_Est

TTCN object		ts_G_RR_Con_Est				
Reference AT	rence ATS IR_U_wk20.mp [3]					
Change Label	nge 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	Summary of change In line 2 in constraint cabr_G_L2_ACCESS_IND in the list of actual parameters replace th last '?' by 'c_G_ChannelReq_Any'.					
Other affect	ed objects	ts_Reg_UMTS_or_GSM				
ETSI commen	t					
Change Label		WA#2G3RRC0292				
Reason for	change	previously used UTRAN ce	ff to insert a new USIM card, this leads to II. The UE will send an RRC_Connection rrently not accepted in the test cases and	Re	q message with	
Summary of	f change	'IntersystemDef'. This make cause 'detach'.	Est', which currently has no default, gets a es it possible to accept an RRC_Connect			
Other affect	ed objects	tc_6_2_1_1, tcv_AcceptDe	etachFromPreviousCell, IntersystemDef			
ETSI commen	t					
Change Label WA#2G3RRC0293						
Reason for	change	Timeout of t_CampRespon changing from GSM to UTF	seTimer occurs before the UE responds o	on	UTRAN, when	
Summary of	f change	The timeout value of t_CampResponseTimer is increased.				
Other affect	ed objects	ts_Reg_UMTS_or_GSM				
ETSI commen	t					
R&S conclusion	on					
Test Step Group Ref. IdleU Objective: Defaults: Milet	_RR_Con_Dat (p_C vill potater exitem.Def 203RRC0292	HE : PUTE ORIN)	Test Step			
1 START1_CompRe		Naviour Desception	Constraint Por	V.	Commonts Start times for compine.	
2 0_L210_L2_A0	L2_ACCESS_ND (try_CMRequest > 0_L2_ACCESS_IND benil)	teler_0_L3_ACCESS_HC (#_CellH, bs:_PhyCh0, 1, ?, ?, t_0_Chae teleTele_Am)		WAR203PRO203 Receive Crockets REGUEST message MS.comped.co.cett	
3 (NCRR_RA>(1 4 0_L210_L2_UN		avest.estCauRandon/Ref()))	Hes_0_L2_UNITORTA_REDG(s_Cellis_Nr_PWCH8.3_15c_0_RPN_0 Intint_intention/signment(Nv_0_CellConfights SCCP_Pres_Int_ _RPN_PR_N_NR_RR_RP1))		VMP203FRC0198 Send Immediate assignment mess e gisk ER1812 skog	
0_L3_L3Estab_N tov_RR_SAP1 = 0_L3_L3Estab_N 1	DIELLOBIICATIER, BAU DIELLOBIICATIER, BAU DisabChaneel,	PPF_Substratement =	rar_0_L2_L2Extab_IND (p_Cellid, cr_0_LacationUpdatingRequentU)	m		
CANCEL L T3101	ISE CANCELLT	21.01		d)		
7 0_L2?0THERM 9 9TIMEOUT1_T2				6)		

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 It_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	

IL CMM_Registration		
33 Dr. 91890, Deteint (trv_TrapMachTeg/DU > HRG_Deteind.mag, trv_Trap31= trv_TrapMachTeg/DU atternType.hype, trv_Stat > HRG_Deteint.stat()	car, PB_hviDinecfTransfer(dsc_CellDeticsted, tsc_PBB), cr_AttechTransfer(sc_MobiletAire_)cr_PAI_Aire_s; c_AttechTransfer(sc_Mo	ATTACH REQUEST - Extract Altach type requested <u>Gran T1-031835</u> and T1-63452 singletae 20349068207
34 • R_OMM_RegistrationContinue		

...

4.4.6 ts_G_ChannelRelease

	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				
	lease (p_Celld:INTEGER)				
	Behaviour Description Constraint Ref		Comments		
Objective: Defaults:	Behaviour Description Constraint Ref cas_G_L2_0ATA_REQ (p_) ellid, trv_RR_SAPI, isc_Phy h0, kx_RR_Channel, c_0_RF	C V 4	Comments Send Channel Release		
Objective: Defaults: Comments:	cas_G_L2_DATA_REQ (p_ eliid, txy_RR_SAP1, tsc_Phy h0, txy_RR_ChannelType, ts _RR_Subchannel, c_O_RFh _Omit, c_G_ChReleaseNor al)	C 4 4	Send Channel Release		
Objective: Defaults: Comments: 1 G_L21G_L2_DATA_REQ	er(33) cr_G_CL2_DATA_REQ (p_ elite, trv_RR_SAP1, tsc_Phy h0, tcv_RR_Channel(rype, tc _RR_Subchannel, c_0_RF1 _Omit, c_G_ChReleaseNor al) cr_G_CL2_Release_IND (p	C 4 4	Send Channel Release		

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	
	Test Step

	Shep Id:	ts_Reg_UMTS_or_GEM (p_Cellid : INTEGER.p_G_Cellid : INTEGER)			
Dewr		RRCm_ateModelspecific/			
Dentas		interruptem Dief			
	neends:	THE OPENING			
		Refer to a Reservation	developed Bud	Ter.	1
Nr		Behavisur Description	CunstraintRef	٧	Comments
2		ChristoleCantighto (p. 0. Catter) CampResponseTeme <mark>(</mark> (23)			Start timer for camping. WM#203RRC0283
3	to: RR_R	LL2_ACCESS_ND (FN = 6_L2_ACCESS_ND/m ,tx_ChRequest = 6_L2_ACCESS_ND/burst) _CompResponseTimer	Exter G. L.2. ACCESS, MD (p.G., Cellis, Inc., PhyCho, 1, 7, 7 8.5) (Charael Deg., Ang)	3	Receive CHAMPEL REQUEST message MS camped on cell WAR2038RC0182
6	ktov_RR	_R4 = (BIT_T0_NT(to_CtrRequestestCauRandomRef)))			
5		JTT'remperated	Hes_D_L2_UNITERTA_RESIDE_Cells_Net_PhyCRO_3.15.0_0F PN_Omit_Is_Immediatesignment City_D_ColConfigurit_BCCH_ Proc. Not_RPL_R6, Not_RPL_RFN()		Sand Immediate accignment moss an @sk EP1012 sci@
5		1.12101			
7	tv_RR_0 0_L3_L3 0_L3_L3 tv_RR_0 0_L3_L3 1_CANCES	2vtet_UND.sAP1 _t_T2101	car_0_12_L2Estab_HD (p_0_Cellit, cr_0_LacaticeUpdalingRequ extU)	(P)	Service Request (Location Updating Request)
3	-tt_0	_Authentication (p_0_Cellit)			Send Authentication Request and re eive Authentication Response
9	+84_6	_Ciptering_Mode_Swifing (p_0_Cellid)			Send Ciphering Mode Command as directive Ciphering Mode Complete
10	+10_0	c_UpdathgAccept(#_0_CeMd)			Send Location Updating Accept and eceive TMM Reallocation Complete
11	*ts_	0_ChannetRelease (p_0_Cellid)			Send Channel Release and receivy Release Date Link Indication Web/2038960295
12		OTHERWISE CANCEL (_T211)		(F)	
12		SUTE_TINH		(\overline{P})	
4	114_M-84	S_TH_DATA_IND C ALE_M > RLC_TR_DATA_IND BA_message Al_CCCH_Mossage ressage reCoree(5 ISNBAUE_RENTR)	<pre>set_PFPC_ConeMee BLCellet, tet_PFBL.ibs_108_PFPC_ConeMee C registration 10</pre>		
15	CANCEL	LCampResponseTimer			
16		d_ConnSetUp			
17		RC_ReceiveCannibetupCrept (p_Cellid)			
18		5_Megistration (p_Cellid)			
19	?TIMD DU	T LCompResponseTimer		(F)	

...

4.4.8 IntersystemDef

TTCN	object	IntersystemDef				
Refere	ence ATS	IR_U_wk20.mp [3] WA#2G3RRC0292 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.				
Chang	ge Label					
Reas	son for change					
Sum	nmary of change	The default is extended to accept RRC_ConnectionReq messages with cause 'detach', if TC Variable tcv_AcceptDetachFromPreviousCell is TRUE.				
Othe	er affected objects	tc_6_2_1_1, tcv_AcceptDetachFromPreviousCell, ts_G_RR_Con_Est				
ETSI c	comment					
R&S c	onclusion					
			Default			
Default Id Default 0x0 Objective Comments	IntersystemDef sug Ref. InterSystemi r					
Nr Labe	el Dehavisa	Description	Constraint Ref	¥.,	Comments	
1 DEE1	and a second sec)	car_CRLC_integrit/Fail	P		
2	TH 1 RLC_TR_DATA_IND (b)_Acc	pfDetachFromPreviousCell = TRUE)	car_RR0_ConnReq (7, txc_R00, cbr_100_RR0_ConnReq (detach))		Accept RRO_Com/Req mag indicating detach of a pro- result cell, if allowed. Incerto018801220	
4	RETURN				WARDOORRC0292	

...

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.

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]

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

		CHANGE		UES	ST			CR-Form-v7
ж	34.123-3	CR 400	ж rev	- 6	¥	Current vers	^{ion:} 3.5.1	ж
For <mark>HEL</mark>	_P _on using this fo	rm, see bottom of thi	s page or l	look ai	t the	pop-up text	over the ¥ syı	mbols.
Proposed change affects: UICC apps# ME Radio Access Network Core Network								
Title:	援 Correction	s to RRC test case 6	6.2.1.6					
Source:	₩ <mark>Rohde⪼</mark> code: ₩ N/A	chwarz				Date: ೫	15/06/04	
work item c	:00e: њ <mark>IN/А</mark>					Date: њ	15/06/04	
Category:	F (cor A (cor B (add C (fun D (edi Detailed ex	the following categorie rection) responds to a correctio dition of feature), ictional modification of torial modification) planations of the above 3GPP <u>TR 21.900.</u>	on in an ear feature)		ease	2 P) R96 R97 R98 R99	R99 the following rel (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	
Reason for	change: ж То ad	d corrections to GCF	- package	3 RRC	C tes			been

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:	策 The Test case will not operate properly.
Clauses affected:	策 N/A
Other specs affected:	Y N % X Other core specifications % X Test specifications X O&M Specifications
Other comments:	光

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm.</u> 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 <u>ftp://ftp.3gpp.org/specs/</u> 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

ж**T1s040349**

01 Jan - 31 Dec 2004

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).

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3 Verification Test Summary

Test Case:	tc_6_2_1_6
Test Group:	DualldleMode/
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 DualldleMode 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):

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

TTCN object:	TTCN	ifier(s) of one or more TTCN objects having a global context in the ATS. Typically only one TTCN object occurs. More than one object is only, when:		
	a) b)	All objects belong to the same TTCN Object Class; and 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:		ATS containing the referred TTCN object(s), relative to which the nt 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:	Textu	al description of the reason why the change is proposed.		
Summary of change:	Short	description of what is proposed for change.		
Other affected objects	assig	of one or more GOTO fields, pointing to other TTCN objects having ned the same Change Label, i.e. all other objects being affected by the em giving rise to the current Change Label.		
ETSI comment:	curre	field may be used by ETSI colleagues giving a dedicated reply to the nt CR document. Otherwise it is filled by the R&S 2G3 group when her kind of response is received from ETSI.		
R&S conclusion:		by the R&S 2G3 group when the ETSI answer does not indicate otance 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 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	
	Test Case

		Text Case		
Text Case i		1.6.2.1.8		
fest 0 ioug	Reference:	DualideMode/		
тиренк		1. To verify final,		
		1.1 the UE searches for a HPLMVRAT according to the HPLMN Selector with Access Technology — sala field on the USBR in priority online		
		1.2 If no RMT on the first is available, the UE bios to obtain registration on the same PLMN using after UE-supported RMTs.		
Configanétic Defaults:	on:	interprotem Def		
Converseds.		Batt Trads		
Nr Label	-		_	Carvaverts
THE LOW T	STARTE		-112	Cartanta
2	DK_RAT			FOD specific behaviour
3	+8_1084			Construction of the second
4		Sceld/SEL_3As34hdulo		
5		Create Cell/ACHEsc. CellA		Configure lower teater for cell.A
8		ndDeflighted_FLMH_FO/Tptc_CwHP		Sends the default system information in CellA
r	+11_8	_Creweck##ACHdsk_Cell8		Configure lower locker sell 8 VMP20 3RRC0113
5	*ts_5	excDefSystets_PLMN_PAT(ex_Cell2)		Sends the default system information in Cell 5 VM#203899C0113
9	•ts_0	reateCell_OSM_Combitst_OSM_CellA(
10		SeedCwEips Into SEM_WBY/SE2SeeJac_GEM_CHEM.ter_PhyChill, IVI_TO_BIT (bry_CellintoA.frequencyInto modelEpecificints Stat. aartor_DL;14(),IVI_TO_BIT Into RequencyInto modelEpecificinto Stat. uartor_DL;14(),IXI_O_GERENC1,100FR,000FR)		
11	+13_	Ciolal Col_08M_Camadox_08M_Call80		
12		SendDeBysinb05M_Web3S2ardsc_06M_CeBDsc_PhyCh8_NT_T0_BT dov_CeBnbA hequencyints modeSpecificinto.tkd.uertm_DL_14,UNT_T0_BF http://www.ncinto.modeSpecificinto.tkd.uertm_DL_14,dsc_0_05eexch_(19807B,08778)		
12		LocalText		
14	+9	L_Cannedar/And38_Rels		To release all the configured but not o eleased cells
16	-1	P0_0_55_Relevies		To release all the configured but net r eleased OSM roles
16 ERRI		144 (Jan 1997)		TOD specific behaviour
17 ERR2			1	
LLocattes				
18 185		lody=T8UE)		
19	-11_AM	Cred (*Please inset USIMA card (see 8.3 1.8.4 is 34.123-17)		Request to inset the USIM A in the U 5 TEST STEP A VM#203RRC0114
20		(Intel ("Please switch on the UE")		Requestion with row the mobile . (Te ST STEP B)
21		MNAACT-THUS		
22	<ts_nermaregistration (toc_cella)<="" td=""><td></td><td>(TEST STEP C) wait for RA reg from UE</td></ts_nermaregistration>			(TEST STEP C) wait for RA reg from UE
22	-1,54			
24		MINACTICALSE]		
25	Hs_Re	LUNTS_IF_DSM dst_CeRA tst_DSM_CeRA		

26	for_AcceptDetachFromPteriousCell := TRUE)	Allow acceptance of RRC_ContRec with cause 'detach' if a UTRAN cell to an been accessed providually. WA#203RRC0382
27	+6_Statest	
LINNE		
20	<pre>vis_H0_RecentFACH_TeFACH(bsc_CellAbsc_CellB)</pre>	Prepare SS
29	-b_MM_Cred ("Please switch of the UP")	Request to Manually select PLMN 3
		(TEST STEP D)
30	START_CONTONIO	Process any 0_12_Access_lads for MSI detach in the detault whilst wait
31	TIMEOUTLERY	g for timer expiry WM/DG3RRC0286 WM/203RRC0285
32	via 50 Feitra Celli)	cell A switched off
22	Htt_MM_Cmd (Please relation to UP)	Request to switch on the mobile. (T ST STEP D)
34	+N_SSM_NorvalRegistation(N+_SSM_CellA)	(TEST STEP E)
35	+ts_MM_Cred ("Please switch of the UE")	Preparent to Hamually select PLMN 3
		(TEST STEP P)
36	START L DW/000D	Process any 0_L2_Access_Indu for
		MSI detach in the default whilst wait
		g for Brown appin 204420389700298
27	9TheEOUT1_DIY	WH#2G3RRC0386
383	Brv_Actes/Delart#ronsPrencesCell > PALSE)	Do nat any more allow acceptance a RRC_CamPleg with cause tielacty Very 0.3RR C0192
39	*b_HML_Cred C*Flaste Inset1/SBH 8 card (see 5.2.1.8.4 in 34.123-17)	Request to insert the USM 8 in the I
		8-(TEST-STEP F)
		VM#20389C0114
40	<pre>*to_MML_Cred ("Please switch on the UE")</pre>	Request to switch on the mobile . (1 ST STEP 0)
41	+tz_GGM_NormalRegistration(tsz_GGM_Cell#)	(TEST STEP H)
42 786		
UNIVE		
42	vib_RPO_InfVirtubleOptil_FACH	mitializes the Variables depending
	+8_SGM_Initiative_TwoCells	in the GGM Band under usage For all Cells.
85	+ F_ITU_BandpetifishBalang	
45	dec_CellinbAmechte_MCO_PLMR23ex_CellinbAmmentec_HNO_PLMR23ex_CellinbAlacenter_LAC_PLMR23ex_CellinbAracenter_TAC_PLMR23ex_CellinbA attenuationLaval.etex_CellinbApowersCPDCH=TL3ex_CellinbA atting = tex_ABOxi	Initialize CELL A Variable as the test case demands
47	(cv_Colimb@reconte_MOO_PLMN3.tx_Colimb@reconte_MOO_PLMN3.tx_Colimb@lacontex_LAC_PLMN3.tx_Colimb@recontex_RAC_PLMN3.tx_Colimb@lacontex_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_LAC_PLMN3.tx_	Initialize CELL 9 Variable as the test case demands
69	(b)	Initiatize CELL A Variable as the test case demands WAR20 3RRC0375
49	Dis. 0. CellMMB records _MCC_PLIN3Ux_0_CellMMB records _MNC_PLIN3Ux_0_CellM0B3ac-bsc_LAC2_PLIN3Ux_0_CellM0B downlowPowerLevel x8x_0_DL_PowerLevel_S3EMP)	INDIAGO CELL 8 VIRGINI AS THE INC.
1. PO. 0	05 Palesson	
50	-to_GGM_GG_CellRatestre_GGM_Cell()	(TEST STEP F) G cell A switched off
51	145_008_88_C08Fwiascedsc_008_C080	(TEST STEP P) 0 set 8 switched off
UTU_B	ke dSpecificht alzhig	
52	(ps_0peratoriliandSupp = 1)	
63	(tor_Cellintia = L_CellintiCelf) htt_Cella, pt_Protome_	
54	htc_URA_jdCeBA_tts_CRNT, ps_TCeBA_tts_SFN_OffeeA, c_FreqisteCtrt, ps_UL_ScrawblingCade () On_Cellment 9 + C_CellmentOffic bs_Coll_Coll_Coll_Coll_Coll_Coll_Coll_Col	
	N4_CHER, (CpL/F83HmCode + 93) MOD 512, N4_URA_J4Cell8, N1_CRNT, pL_TCell8, NL_SPA_Ofbel8, I_Frequench2, (pL_33_BirandelegCode +1080; MOD 18777216).)	
95	Inc. Construction and Construction (according to Construct the Construction (Construction) (Construction (Construction))	
56	(%)_OslinkA.vic_OslinkOf(isc_OslinkA.vic_OslinkOf(isc_Oslik_ps_PRSprenCode,	
57	br_URA_(#CellA, br_CRWT), pr_TCellA, br_BFN_OffselA, c_FreejinfsCh1_Band2, pr_UL_ScremblingCode () dor_CellintsR = c_CellintsDiff(
	trc_Oelik, ((pc_Pri3cm/code + 59) MOD 512), trc_URA_jsCvHB, trc_ORHT, pc_TCelik, trc_SRN_OffseB, r_FreqhtloCh2_Band3, (pc_UL_ScramblingCode +1080; MOD 16777216).)	
58	Ipi_Operation@andBackgop = 31	
59	(by_CelletsA > r_CelletsD#) br_Cells, br_Pristmicols.	
80	NE_UPA_IRCALN_CENTL_M_TCOM_NL_EPALOTION.CENTL_BINDL_K_LCL_SHOPMINGCOM	
50	(dov_CellintsD = c_CellintsDH)(fst_CellB, (Cpt_PHStmrCode = 50) HOD 512),	
	tor, URA, InCoRD, tor, CRNTL, pr. TOHID, tor, STN. OfficeD, I. PrephroChil. Bandil, Ide, U., StrambingCode +1000 MOD 18777216(1)	

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.

Change Labels	Affected TTCN Objects	Ref. ATS	CR Docld
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]

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

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.

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]

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

									CR-Form-v7		
ж	TS 3	<mark>4.123-3</mark>	CR	401	жrе	v -	ж	Current vers	ion:	3.5.0	ж
For <mark>HEL</mark>	LP on u	sing this foi	rm, see	bottom of t	this page	or looi	k at the	pop-up text	over	the	nbols.
Proposed o	change a	affects:	UICC a	pps೫	ME	X Ra	adio Ac	cess Networ	k 📃	Core Ne	etwork
Title:	æ	Correctio	<mark>n to Ap</mark>	proved RR	C Packaç	<mark>je 1 T(</mark>	<mark>8.3.4</mark> .	2			
Source:	ж	Ericsson									
Work item	code: Ж	TEI						<i>Date:</i> ೫	21/0	06/2004	
Category:	ж	F (cor A (cor B (ado C (fun D (edi	rection) respond dition of ctional i torial me planatio	wing categor Is to a correct feature), modification (odification) ns of the abo <u>R 21.900</u> .	ction in an of feature)			R97 R98 R99	the fol (GSM (Relea (Relea (Relea (Relea (Relea	lowing rele Phase 2) ase 1996) ase 1997) ase 1998) ase 1999)	pases:
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.											

	to check that the UE is in Cell_FACH.
	 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 V 0.8M Specifications					
Other comments:	X O&M Specifications 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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.

Tor	t Casa N	Jame	tc_8_3_4_2
		1aiiie	RRC/RRC_ActSetUpdate/
Group Purpose			 To confirm that the UE continues to communicate with the SS on the remaining radio link after radio link removal on the active set. To confirm that the UE is not using the removed radio link to communicate with the SS.
Cor	nfigurat	ion	
Def	ault		RRC_Def1
Cor	nments		
Sele	ection R	ef	FDD_Mode
Des	cription	1	Active set update in soft handover: Radio Link removal
Nr	Label	Beha	aviour Description
1		STAR	T <u>t_Guard</u>
2		+1	t_RRC_InitVariables
3			+pr_GotoState6_9_Or6_10_MO (tsc_CellA)
4			+ <u>ts_SS_CreateCellDCH(tsc_CellB</u>)
5			+ <u>ts_SendDefSysInfo(tsc_CellB</u>)
6			(<u>tcv_TestBody</u> :=TRUE)
7			+lt_TestBody
8		<u> </u>	(<u>tcv_TestBody</u> :=FALSE)
9			+ts_SHO_ReleaseDL_DPCH (tsc_CellE)
	–		
10			+po_ConnectionAndSS_Rels
			'estBody
11		+ <u>ts</u> _	<u>SS_IncrementCellPowerLevel</u> (<u>tsc_CellB</u> ,15)
28	TBP4		<u>AM</u> ? <u>RLC_AM_DATA_IND</u> EL <u>t_WaitMS</u>

tc_8_3_4_2

29		+ts_SHO_ReleaseDL_DPCH (tsc_CellA)					
Det	Detailed Comments						

Before:

Tes	t Case N	Name <u>tc_8_3_4_2</u>
Gro	oup	RRC/RRC_ActSetUpdate/
Purpose		 To confirm that the UE continues to communicate with the SS on the remaining radio link after radio link removal on the active set. To confirm that the UE is not using the removed radio link to communicate with the SS.
Coi	nfigurat	tion
Def	ault	RRC_Def1
Coi	nments	
Sel	ection R	tef FDD_Mode
Des	scription	Active set update in soft handover: Radio Link removal
Nr	Label	Behaviour Description
1		START <u>t_Guard</u>
2		+lt_RRC_InitVariables
3		+pr_GotoState6_9_Or6_10_MO(tsc_CellA)
4		+ <u>ts_SS_CreateCellDCH</u> (<u>tsc_CellB</u>)
5		+ <u>ts_SendDefSysInfo</u> (<u>tsc_CellB</u>)
6		(<u>tcv_TestBody</u> :=TRUE)
7		+lt_TestBody
0		(tcv_TestBody:=FALSE)
8	<u> </u>	(cov_researcher)

tc_8_3_4_2

		lt_TestBody	
11		+ <u>ts_SS_IncrementCellPowerLevel</u> (<u>tsc_CellB</u> ,15)	
28	TBP4	AM ? RLC_AM_DATA_IND CANCEL t_WaitMS	
30		AM ! RLC_AM_DATA_REO	
Det	ailed Co	omments	

CHANGE REQUEST						
^ж ТS 34.	<mark>123-3</mark> CR	<mark>402</mark> ж г	ev - ^ж	Current version:	3.5.0 [#]	
For <u>HELP</u> on using	g this form, see	bottom of this pag	e or look at th	e pop-up text ove	er the # symbols.	
Proposed change affe	ects: UICC a	pps೫ <mark> </mark>	E 🗙 Radio A	ccess Network	Core Network	
Title: % C	Correction to Ap	proved RRC Packa	age 2 TC 8.2.4	1.3		
Source: ೫ E	ricsson					
Work item code: ೫ T	El			Date: 윎 2	9/06/2004	
De	 <u>one</u> of the follo <i>F</i> (correction) <i>A</i> (correspond <i>B</i> (addition of <i>C</i> (functional <i>D</i> (editorial m 	ds to a correction in a feature), modification of featur odification) ns of the above cates	e)	Use <u>one</u> of the 2 (GS e) R96 (Re R97 (Re R98 (Re R99 (Re Rel-4 (Re Rel-5 (Re	el-5 following releases: SM Phase 2) elease 1996) elease 1997) elease 1998) elease 1999) elease 4) elease 5) elease 6)	
Reason for change:	Stre anno origi Call	ex L.1 table L.1.1 th	originatingStre here is no valic all, it should ins e correct PICS	eamingCall, but a l establishment c stead use Origina s value to check f	according to 24.008 cause called ating Conversational	
		st step ts_CC_Rcv not set for the Stre		p the transaction	identifiers and RAB	
	`00`	everal BCAP const B but according to served.			" is hardcoded to 008: the value ´00´B	
Summary of change:		blishment cause cl		inating Conversa	ational Call, pics	
	2. Corr	ect setting of Trans	action Identifi	ers and RAB id a	dded.	
	3. BCA	P constraints chan	ged to wildcar	ds for the value of	of "intermRate".	
Consequences if not approved:	TC will fail	a conformant UE.				
Clauses affected:	₩ <mark>tc_8_2_4_3</mark>					
Other specs	X Test	core specifications specifications Specifications	s #			

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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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.
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- 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.

ts_RRC_InitVariablesCS

Tes	t Step]	Name	ts_RRC_InitVariablesCS				
Gro	oup		BasicM_General_Steps/				
Obj	jective		Initialisation of Testcase	and Testsuite	variab	les for <u>RRC</u> testcases	
Def	ault		RRC_Def1				
Cor	nment	5					
Des	criptio	n					
			viour Description	Constraints Ref	Verdict	Comments	
1			InitVariables				
2		(<u>t</u>	<pre>ccv_CN_Domain := cs_domain, RAB_Id := tsc_RAB_DefCS)</pre>				
3		-	- lt_RRC_InitServVarCS				
		lt_RF	RC_InitServVarCS				
4			<pre>px_RRC_CS_ServTested = ch) AND pc_Conversational</pre>				
5		cell_ tcv_F termi tcv_F origi tcv_F	<pre>cv_RRC_RAB_Type := _DCH_Speech, RRC_PagingCau := .natingConversationalCall, RRC_EstCauMO := .natingConversationalCall, RRC_EstCauMT := .natingConversationalCall)</pre>				
б		conve	<pre>px_RRC_CS_ServTested = ersational_64k) AND pnversational]</pre>				
7		cell_ tcv_F termi tcv_F origi tcv_F	<pre>ccv_RRC_RAB_Type := DCH_64kCS_RAB_SRB, RRC_PagingCau := natingConversationalCall, RRC_EstCauMO := natingConversationalCall, RRC_EstCauMT := natingConversationalCall)</pre>				
8		strea	<pre>>x_RRC_CS_ServTested = aming_57_6k) AND prversational]</pre>				
9		cell_ tcv_F termi tcv_F origi	<pre>cv_RRC_RAB_Type := DCH_57_6kCS_RAB_SRB, RRC_PagingCau := natingStreamingCall, RRC_EstCauMO := natingStreamingCall, RRC_EstCauMT :=</pre>				

		terminatingStreamingCall)		
10	ERR1	[TRUE]	I	Programming or parame error
Det	ailed C	Comments		

ts_RRC_InitVariablesCS

Tes	t Step]	Name	ts_RRC_InitVariablesCS			
Gro	oup		BasicM_General_Steps/			
Obj	jective		Initialisation of Testcase	and Testsuite	variab	les for <u>RRC</u> testcases
Default RRC_Def1						
Cor	nment	5				
Des	criptio	n	n			
_	_	1	viour Description	Constraints Ref	Verdict	Comments
1			InitVariables			
2			<pre>ccv_CN_Domain := cs_domain, RAB_Id := tsc_RAB_DefCS)</pre>			
3		-	+ lt_RRC_InitServVarCS			
		lt_RF	RC_InitServVarCS			
4			<pre>px_RRC_CS_ServTested = ch) AND pc_Conversational</pre>			
5		cell_ tcv_F termi tcv_F origi tcv_F	<pre>ccv_RRC_RAB_Type := DCH_Speech, RRC_PagingCau := inatingConversationalCall, RRC_EstCauMO := inatingConversationalCall, RRC_EstCauMT := inatingConversationalCall)</pre>			
6		conve	<pre>px_RRC_CS_ServTested = ersational_64k) AND pnversational]</pre>			
7		cell_ tcv_F termi tcv_F origi tcv_F	<pre>cv_RRC_RAB_Type := DCH_64kCS_RAB_SRB, RRC_PagingCau := inatingConversationalCall, RRC_EstCauMO := inatingConversationalCall, RRC_EstCauMT := inatingConversationalCall)</pre>			
8		strea	<pre>Dx_RRC_CS_ServTested = aming_57_6k) AND reaming]</pre>			
9		(<u>t</u>	ccv_RRC_RAB_Type :=			

Det	ailed (Comments			
10	ERR1	[TRUE]	I	L	Programming or parame error
		tcv_RRC_EstCauMT := terminatingConversationalCall)			
		<pre>terminatingConversationalCall, tcv_RRC_EstCauMO := originatingConversationalCall,</pre>			
		<pre>cell_DCH_57_6kCS_RAB_SRB, tcv_RRC_PagingCau :=</pre>			

ts_CC_RcvSetupOrEsetup

Tes	Fest Step Name ts_CC_RcvSetupOrEsetup (p_CellId : INTEGER)				
Group L3M_CC_Steps/					
<u> </u>	Objective To manage Setup Mobile Originated.				
Objective To manage Setup Mobile Originated. Default NAS_OtherwiseFail					
Der			n ESETTID message in case of emergency		
	nments	NOTE: The BCAP is a highly stru constraint re-usable, so the ke	Receipt of a SETUP message or an <u>ESETUP</u> 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.		
Des	cription				
Nr	Label Beh	aviour Description	Constraints Ref		
1	tsc tcv	<pre>tcv_ActiveService = _SrvEmgCall) OR (_ActiveService = _SrvTelephony)]</pre>			
2	+	lt_CC_TelephonyMO			
3		+ lt_InitCC_tcv			
4		<u>cv_ActiveService</u> = _SrvAltSpeechFax]			
5	+	lt_CC_TS61_MO			
6		+ lt_InitCC_tcv			
7	<u>tsc</u> (<u>t</u> (<u>t</u> <u>tsc</u> (<u>t</u> <u>tsc</u> (<u>t</u> <u>tsc</u> (<u>t</u> <u>tsc</u> (<u>t</u> <u>c</u> 0R	<pre>tcv_ActiveService = _Srv31kHz) OR cv_ActiveService = _SrvV110) OR cv_ActiveService = _SrvV120) OR cv_ActiveService = _SrvPIAFS) OR cv_ActiveService = tsc_SrvFTM) cv_ActiveService = tsc_SrvX31)</pre>			

		(<u>tcv_ActiveService</u> = <u>tsc_SrvBTM</u>) OR	
		(tcv_ActiveService =	
		tsc_SrvMmediaCall)]	
8		[px_BcapSyncAsync = tsc_BcapASync]	
9		+ lt_CC_BS20_MO	
10	İ	+ lt_InitCC_tcv	
11		<pre>[px_BcapSyncAsync = tsc_BcapSync]</pre>	
12		+ lt_CC_BS30_MO	
13		+ lt_InitCC_tcv	
		lt_InitCC_tcv	
14		<pre>[tcv_ActiveService = tsc_SrvEmgCall]</pre>	
15		<pre>(tcv_TI_R := tcv_ESetupr.ti , tcv_TI_S := tcv_TI_R , tcv_TI_S.tiFlag := '1'B, tcv_RAB_Id := tsc_RAB_DefCS)</pre>	
16		[<u>tcv_ActiveService</u> = tsc_SrvTelephony]	
17		<pre>(tcv_TI_R := tcv_SetupMOr.ti , tcv_TI_S := tcv_TI_R , tcv_TI_S.tiFlag := '1'B, tcv_RAB_Id := tsc_RAB_DefCS)</pre>	
	İ	lt_CC_TelephonyMO	
18		<pre>[tcv_ActiveService = tsc_SrvEmgCall]</pre>	
19		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_ESetupr</u> := <u>RRC_DataInd</u> .msg)	<pre>car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_ESetup (cr_BcapSpeechMO))</pre>
20		[<u>tcv_ActiveService</u> = tsc_SrvTelephony]	
21		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cr_BcapSpeechMO, cr_LLC_Any))</pre>
22	ERR1	[TRUE]	
		lt_CC_TS61_MO	
23		$[(\underline{px}_BcapFNUR = \underline{tsc}_Bcap9600) OR (\underline{px}_BcapFNUR = \underline{tsc}_Bcap14400)]$	
24		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>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 ,</pre>

			<pre>tsc_BcapOtherMT_None), cr_LLC_Any))</pre>
		[(px_BcapFNUR <> tsc_Bcap9600)	
25	ERR1	AND (<u>px_BcapFNUR</u> <> <u>tsc_Bcap14400</u>	
	<u> </u>)]	
		lt_CC_BS20_MO	
26		+ lt_BS20_CheckPixit	
27		[<u>tcv_ActiveService</u> =	
27		tsc_Srv31kHz]	
28		<pre>[tcv_BcapCE = tsc_BcapCE_NT]</pre>	
			car_UplinkDirectTransfer (
			tsc_CellDedicated,
			tsc_RB3, cr_SetupMO (
		Dc ? RRC_DataInd	cbr_BcapMO_7_AsyncNT (
29		(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg	<pre>tsc_BcapITC_31kHz, tsc_BcapRA_No ,</pre>
			tsc_BcapSACP_I440450 ,
			px_BcapModemType,
			<pre>px_BcapOtherModemType), cdr_LLC_BS20_31kHzA))</pre>
2.0			CUT_LLC_BSZ0_SIKHZA //
30	1	[<u>tcv_BcapCE</u> = <u>tsc_BcapCE_T</u>]	
			car_UplinkDirectTransfer (
			tsc_CellDedicated,
		Dg 2 PPC DataInd	tsc_RB3,cr_SetupM0 (cbr_BcapM0_AsyncT (
31		<u>Dc</u> ? <u>RRC_DataInd</u> (tcv_SetupMOr := RRC_DataInd.msg	tsc_BcapITC_31kHz, tsc_BcapRA_No ,
			tsc_BcapSACP_I440450 ,
			px_BcapModemType,
			px_BcapOtherModemType),
			cdr_LLC_BS20_31kHzA))
32	ERR2	[TRUE]	
		[1102]	
1		[tcv_ActiveService =	
33			
1		[tcv_ActiveService =	car_UplinkDirectTransfer (
1		[tcv_ActiveService =	car_UplinkDirectTransfer (tsc_CellDedicated,
1		[tcv_ActiveService =	
1		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapM0_5a_AsyncNT (
33		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other,</pre>
1		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapSACP_I440450,</pre>
33		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupMO (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_Spare,</pre>
33		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd</pre>	<pre>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,</pre>
33		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd</pre>	<pre>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</pre>
33		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapM0_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS,</pre>
33		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd</pre>	<pre>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</pre>
33 34 35		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [tcv_ActiveService = tsc_SrvFTM]</pre>	<pre>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</pre>
33		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>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</pre>
33 34 35		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [tcv_ActiveService = tsc_SrvFTM]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapM0_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))</pre>
33 34 35		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapM0_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)) car_UplinkDirectTransfer (</pre>
33 34 35		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [tcv_ActiveService = tsc_SrvFTM] [px_BcapITC = tsc_BcapITC_IntUDI]</pre>	<pre>tsc_CellDedicated, tsc_RB3, cr_SetupM0 (cbr_BcapM0_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))</pre>
33 34 35		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapM0_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any)) car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupM0 (</pre>
33 34 35 36		<pre>[tcv_ActiveService = tsc_SrvPIAFS] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [tcv_ActiveService = tsc_SrvFTM] [px_BcapITC = tsc_BcapITC_IntUDI]</pre>	<pre>tsc_CellDedicated, tsc_RB3, cr_SetupM0 (cbr_BcapM0_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))</pre>
33 34 35 36		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any)) car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_AsyncNT (tsc_BcapITC_UDI,</pre>
33 34 35 36		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any)) car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupMO (cdr_BcapMO_AsyncNT (tsc_BcapITC_UDI, tsc_BcapRA_X31, tsc_BcapSACP_I440450,</pre>
33 34 35 36 37		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))</pre>
33 34 35 36		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))</pre>
33 34 35 36 37 38		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))</pre>
33 34 35 36 37		<pre>[tcv_ActiveService = tsc_SrvPIAFS]</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cbr_BcapMO_5a_AsyncNT (tsc_BcapITC_UDI , tsc_BcapRA_Other, tsc_BcapOtherITC_Spare, tsc_BcapOtherRA_PIAFS, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))</pre>

)	tsc_RB3,cr_SetupMO (
			cbr_BcapMO_5a_AsyncNT (
			tsc_BcapITC_Other, tsc_BcapRA_X31,
			tsc_BcapSACP_1440450,
			tsc_BcapOtherITC_RDI,
			tsc_BcapOtherRA_Spare,
			<pre>tsc_BcapMT_None, tsc_BcapOtherMT_None</pre>
), <u>cr_LLC_Any</u>))
		[(px_BcapITC <>	
		tsc_BcapITC_IntRDI) AND (
40	ERR3	<pre>px_BcapITC <> tsc_BcapITC_IntUDI)</pre>	
		$\frac{p_{x_{bcapile}}}{1} \leftrightarrow \frac{c_{bcapile_{11}}}{c_{bcapile_{11}}} $	
	<u> </u>		
41		[<u>tcv_ActiveService</u> = <u>tsc_SrvV110</u>	
]	
42		[tcv_BcapCE = tsc_BcapCE_NT]	
	1		car_UplinkDirectTransfer (
			tsc_CellDedicated,
			tsc_RB3, cr_SetupMO (
		Dc ? RRC_DataInd	cbr_BcapMO_7_AsyncNT (
43		(tcv_SetupMOr := RRC_DataInd.msg	tsc_BcapITC_UDI, tsc_BcapRA_V110,
			tsc_BcapSACP_1440450,
		ľ	tsc_BcapMT_None,
1			
1			tsc_BcapOtherMT_None),
	<u> </u>		cbr_LLC_BS20_UDI_V110))
44		$\begin{bmatrix} tcv_BcapCE = tsc_BcapCE_T \end{bmatrix}$	
44]]	
	1		car_UplinkDirectTransfer (
			tsc_CellDedicated,
		Dc ? RRC DataInd	tsc_RB3,cr_SetupMO (
45		(tcv_SetupMOr := RRC_DataInd.msg	<u>cbr_BcapMO_AsyncT</u> (<u>tsc_BcapITC_UDI</u> ,
173		(<u>cev_secupmor</u> ·- <u>kkc_bacarnu</u> .msg	tsc_BcapRA_V110,
			tsc_BcapSACP_I440450,
			tsc_BcapMT_None, tsc_BcapOtherMT_None
), cbr_LLC_BS20_UDI_V110))
10		[TRUE]	
46	ERR4		
47		[<u>tcv_ActiveService</u> = <u>tsc_SrvV120</u>	
1 1]	
	1	[px_BcapITC =	
48		tsc_BcapITC_IntUDI]	
	<u> </u>		
			car_UplinkDirectTransfer (
1			<pre>tsc_CellDedicated, tsc_RB3,</pre>
			cr_SetupMO (cr_BcapMO_5ab7_V120 (
		Dc ? RRC_DataInd	tsc_BcapITC_UDI,
49		(tcv_SetupMOr := RRC_DataInd.msg	tsc_BcapSACP_1440450,
1		(<u></u>	
1		1	tsc_BcapOtherITC_Spare,
1			tsc_BcapASync, tsc_BcapMT_None,
1			<pre>tsc_BcapOtherMT_None),</pre>
			<pre>cdr_LLC_BS20_UDI_V120))</pre>
		[px_BcapITC =	
50		tsc_BcapITC_IntRDI]	
-			l
1			car_UplinkDirectTransfer (
1			tsc_CellDedicated,
1			tsc_RB3,cr_SetupMO (
		Dc ? RRC_DataInd	<u>cr_BcapMO_5ab7_V120</u> (
51	1	(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg	tsc_BcapITC_Other,
121			TOOL DOUPTIO OCHEL,
JT			
			tsc_BcapSACP_1440450,
51			<pre>tsc_BcapSACP_I440450, tsc_BcapOtherITC_RDI, tsc_BcapASync,</pre>
51			tsc_BcapSACP_I440450,

	1	1	
			tsc_BcapOtherMT_None) ,
<u> </u>	<u> </u>		<pre>cdr_LLC_BS20_RDI_V120))</pre>
52	ERR5	[(<u>px_BcapITC</u> <> <u>tsc_BcapITC_IntUDI</u>) AND (<u>px_BcapITC</u> <> <u>tsc_BcapITC_IntRDI</u>)]	
53	ERR1	[TRUE]	
	1	lt_BS20_CheckPixit	
54	ERR6	[(px_BcapITC <> tsc_BcapITC_IntUDI) AND (px_BcapITC <> tsc_BcapITC_IntRDI) AND (px_BcapITC <> tsc_BcapITC_Int31kHzA)]	
55	1	[TRUE]	
56	ERR7	[px_BcapSACP <> tsc_BcapSACP_I440450]	
57		[TRUE]	
		lt_CC_BS30_MO	
58		+ lt_BS30_CheckPixit	
59		<pre>[tcv_ActiveService = tsc_Srv31kHz]</pre>	
60		+ lt_BS30_31kHz	
61		<pre>[tcv_ActiveService = tsc_SrvV110]</pre>	
62		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cdr_BcapM0_SyncT (tsc_BcapITC_UDI, tsc_BcapRA_V110, tsc_BcapSACP_I440450, tsc_BcapMT_None, tsc_BcapOtherMT_None), cbr_LLC_BS30_UDI_V110))</pre>
63		[<u>tcv_ActiveService</u> = <u>tsc_SrvX31</u>]	
64		Dc ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>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))</pre>
65		[<u>tcv_ActiveService</u> = <u>tsc_SrvV120</u>]	
66		[px_BcapITC = tsc_BcapITC_IntUDI]	
67		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_SetupMO (cr_BcapMO_5ab7_V120 (tsc_BcapITC_UDI, tsc_BcapSACP_X32, tsc_BcapOtherITC_Spare, tsc_BcapSync , tsc_BcapOtherMT_None, tsc_BcapOtherMT_None) , cdr_LLC_BS30_UDI_V120))</pre>
68		[<u>px_BcapITC</u> = tsc_BcapITC_IntRDI]	

69		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>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))</pre>
70	ERR4	[TRUE]	
71		[<u>tcv_ActiveService</u> = <u>tsc_SrvBTM</u>]	
72		[(<u>px_BcapFNUR</u> = <u>tsc_Bcap56000</u>)]	
73		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cdr_BcapM0_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))</pre>
74		[(<u>px_BcapFNUR</u> = <u>tsc_Bcap64000</u>)]	
75		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cdr_BcapM0_SyncT (tsc_BcapITC_UDI, tsc_BcapRA_N0, tsc_BcapSACP_I440450, tsc_BcapMT_None, tsc_BcapOtherMT_None), cr_LLC_Any))</pre>
76	ERR5	[TRUE]	
77		[<u>tcv_ActiveService</u> = tsc_SrvMmediaCall]	
78		+ lt_BS30_Mmedia	
79	ERR1	[TRUE]	
		lt_BS30_31kHz	
80		$\begin{bmatrix} px_BcapSACP = \\ tsc_BcapSACP_1440450 \end{bmatrix}$	
81		<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cdr_BcapM0_SyncT (tsc_BcapITC_31kHz, tsc_BcapRA_No , tsc_BcapSACP_I440450 , px_BcapModemType, px_BcapOtherModemType), cdr_LLC_BS30_31kHzA))</pre>
82		$[px_BcapSACP = tsc_BcapSACP_X32]$	
83		[(<u>tcv_BcapCE</u> = <u>tsc_BcapCE_NT</u>)]	
84		Dc ? RRC_DataInd (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3,cr_SetupM0 (</pre>

Image: State Stat		1		
Image: Second				cdr_BcapMO_7_SyncNT (
px_BcapOtherModemType), odr_LLC_BS30_31kHzA)) 85 [(tcv_BcapCE = tsc_BcapCE_T)] 86 Dc ? RRC_DataInd Dc ? RRC_DataInd.msg 86 [tcv_SetupMOT := RRC_DataInd.msg) 87 ERR2 [TRUE] 88 ERR3 [TRUE] 89 [(px_BcapFNUR = tsc_Bcap28800) OR Cdr_LLC_BS30_31kHzA)) 89 [(px_BcapFNUR = tsc_Bcap38600) OR Cdr_LLC_BS30_31kHzA)) 89 [(px_BcapFNUR = tsc_Bcap3860) OR Cdr_LLC_BS30_31kHzA)) 90 [dc ? RRC_DataInd Cdr_BcapA0.tbcr, tsc_Bcap3600) I 90 [dc ? RRC_DataInd (tcv_SetupMOT := RRC_DataInd.msg 91 [(px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOT := RRC_DataInd.msg 91 [(px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOT := RRC_DataInd.msg 92 [dc ? RRC_DataInd (tcv_SetupMOT := RRC_DataInd.msg 91 [(px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOT := RRC_DataInd.msg 92 [dc ? RRC_DataInd (tcv_SetupMOT := RRC_DataInd.msg 93 [(px_BcapFNUR = tsc_Bcap32000) I 94 [dc ? RRC_DataInd (tcv_SetupMOT := RRC_DataInd.msg 95 [(px_BcapFNUR = tsc_Bcap3600) I 96 [dcs_Ra3_drs_SetupMOT (tsc_Ra3_drs_SetupMOT (tsc_Ra3_drs_SetupMOT (tsc_Ra3_drs_SetupMOT (tsc_Ra3_drs_SetupMOT) = RRC_Da				
edr_LLC_BS30_31kHzA)) 85 [(tcv_BcapCE = tsc_BcapCE_T)] 86 Dc ? RRC_DataInd 86 Dc ? RRC_DataInd 87 ERR2 (tcv_SetupMOr := RRC_DataInd.msg 88 ERR3 [TRUE] 88 PRR3 [TRUE] 89 [(px_BcapFNUR = tsc_Bcap28600) OR (px_BcapFNUR = tsc_Bcap3600)] 89 [(px_BcapFNUR = tsc_Bcap28600) OR (px_BcapFNUR = tsc_Bcap3600)] 90 [(px_BcapFNUR = tsc_Bcap28600) OR (px_BcapFNUR = tsc_Bcap3600)] 91 [(px_BcapFNUR = tsc_Bcap3600) OR (px_BcapFNUR = tsc_Bcap3600)] 91 [(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg) 91 [(px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg) 92 [(px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg) 93 [(px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg) 94 Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) 93 [(px_BcapFNUR = tsc_Bcap56000)] 94 Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)				
85 [(tev_BcapCE = tsc_BcapCE_T) 86 [cev_SetupMOr := RRC_DataInd.msg 86 (tev_SetupMOr := RRC_DataInd.msg 87 BRR2 [TRUE] 88 RRR3 [TRUE] 88 RRR3 [TRUE] 88 RRR3 [TRUE] 89 [(px_BcapFNUR = tsc_Bcap28800) OR (tev_SetupMOr := RRC_DataInd.msg 90 [(px_BcapFNUR = tsc_Bcap28800) OR (tev_SetupMOr := RRC_DataInd.msg 91 [(px_BcapFNUR = tsc_Bcap33600)] 92 [(px_BcapFNUR = tsc_Bcap32000) OR (tev_SetupMOr := RRC_DataInd.msg 91 [(px_BcapFNUR = tsc_Bcap32000) OR (tev_SetupMOr := RRC_DataInd.msg 92 [(px_BcapFNUR = tsc_Bcap32000) OR (tev_SetupMOr := RRC_DataInd.msg 93 [(px_BcapFNUR = tsc_Bcap32000) OR (tev_SetupMOr := RRC_DataInd.msg 94 [Dc ? RRC_DataInd (tev_SetupMOr := RRC_DataInd.msg 93 [(px_BcapFNUR = tsc_Bcap52000) I (tev_SetupMOr := RRC_DataInd.msg 94 [Dc ? RRC_DataInd (tev_SetupMOr := RRC_DataInd.msg				
85 1 Car. UplinkDirectTransfer (86 Dc ? RRC_DataInd Car. UplinkDirectTransfer (86 (tcv_SetupMOr := RRC_DataInd.msg) (tac.RB3,cr_SetupMO (cdr.BcapMO_S)) 87 DRR2 [TRUE] 88 RR3 [TRUE] (tac.BcapTC131kHz, tsc.BcapAModemTyrp, px_BcapOtherModemTyrp, px_BcapOther				
86 Dc ? RRC_DataInd Etc_CellDedicated, tsc_RB3,cr_SetupMO (ofr_BcapMO_Sy 86 (tcv_SetupMOr := RRC_DataInd.msg (tsc_BcapIC 31KHz, tsc_BcapAA M 87 BRR2 [TRUE] (tsc_BcapIC 31KHz, tsc_BcapAA M) 88 BRR3 [TRUE] (tsc_BcapIC 31KHz)) 87 BRR3 [TRUE] (tsc_BcapIC 31KHz)) 88 PRR3 [TRUE] (tsc_BcapIM and tsc_Bcap33600) 0 89 [(px_BcapFNUR = tsc_Bcap33600) 1 (tsc_CallDedicated, tsc_BstupMO (cdr_BcapMO_Sa_SymcT (tsc_BcapIC 31KHz, tsc_BcapAO tsc_BstupMO (cdr_BcapMO_Sa_SymcT (tsc_BcapIC 440450, tsc_BcapAO tsc_BstupMO (cdr_BcapMO_Sa_SymcT (tsc_BcapIC 440450, tsc_BcapOtherNT V34), cr_LLC_Any 91 [(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) 0 (tsc_CallDedicated, tsc_RB3, cr_SetupMO (tsc_RBapAO tsc_BstupMO (tsc_BcapTC 440450, tsc_BcapOtherNT V34), cr_LLC_Any 91 [(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) 0 (tsc_RB3, cr_SetupMO (tsc_RBapAO t	85		$\begin{bmatrix} (\underline{\text{tev}}_{\text{BeapCE}} = \underline{\text{tse}}_{\text{BeapCE}} T \end{bmatrix}$	
88 ERR3 [TRUE] 1 lt_BS30_Mmedia 89 [(px_BcapFNUR = tsc_Bcap28800) OR (px_BcapFNUR = tsc_Bcap33600)] 90 [dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg 91 [(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg 92 [0 C ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg 93 [(px_BcapFNUR = tsc_Bcap56000) 1 93 [(px_BcapFNUR = tsc_Bcap56000) 1 94 [0 c ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg 94 [0 c ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg	86		<pre>(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u>.msg)</pre>	<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cdr_BcapM0_SyncT (tsc_BcapITC_31kHz, tsc_BcapRA_No, tsc_BcapSACP_X32, px_BcapModemType, px_BcapOtherModemType),</pre>
1t_BS30_Mmedia 89 [(px_BcapFNUR = tsc_Bcap28800) OR (px_BcapFNUR = tsc_Bcap33600)] 90 Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg 91 [(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap4000)] 92 [(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap64000)] 92 [(px_BcapFNUR = tsc_Bcap56000)] 93 [(px_BcapFNUR = tsc_Bcap56000)] 93 [(px_BcapFNUR = tsc_Bcap56000)] 94 [Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) 94 [Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)	87	ERR2	[TRUE]	
89 I (px_BcapFNUR = tsc_Bcap28800) OR (px_BcapFNUR = tsc_Bcap33600)] 90 I (px_BcapFNUR = tsc_Bcap33600)] 90 I (tcv_SetupMOr := RRC_DataInd.msg 91 I (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg 91 I (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg 92 I (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg 93 I (px_BcapFNUR = tsc_Bcap56000)] 93 I (px_BcapFNUR = tsc_Bcap56000)] 93 I (px_BcapFNUR = tsc_Bcap56000)] 94 I (tcv_SetupMOr := RRC_DataInd.msg 95 I (px_BcapFNUR = tsc_Bcap56000)] 94 I (px_BcapFNUR = tsc_Bcap56000)]	88	ERR3	[TRUE]	
89 I (px_BcapFNUR = tsc_Bcap28800) OR (px_BcapFNUR = tsc_Bcap33600)] 90 I (car_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_SetupMO (cdr_BcapMO_5a_SynCT ((tsc_BcapTC_31kHz, tsc_BcapCherK_123),) 91 I (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOT := RRC_DataInd.msg) 92 I I (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOT := RRC_DataInd.msg) 92 I I (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOT := RRC_DataInd.msg) 93 I (px_BcapFNUR = tsc_Bcap56000) I 93 I (px_BcapFNUR = tsc_Bcap56000) I 94 Dc ? RRC_DataInd (tcv_SetupMOT := RRC_DataInd.msg) car_UplinkDirectTransfer (tsc_CellDedicated, tsc_BcapOtherRA_H223, tsc_BcapOtherRA_H223, tsc_BcapOtherRA_H223, tsc_BcapOtherRA_H223, tsc_BcapTC_Other, tsc_BcapTC_Other, tsc_BcapTC_Other, tsc_BcapTC_Other, tsc_BcapTC_Other, tsc_BcapTC_Other, tsc_BcapTC_Other, tsc_BcapOtherRA_H223, tsc_BcapOtherRA_H223, tsc_BcapOtherRA_H223, tsc_BcapOtherRA_H223, tsc_BcapOtherRA_H223,			lt BS30 Mmedia	
<pre>89 (px_BcapFNUR = tsc_Bcap33600] 90 (Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) 91 [(px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (px_BcapFNUR = tsc_Bcap32000) OR (tcv_SetupMOr := RRC_DataInd.msg) 92 [(tcv_SetupMOr := RRC_DataInd.msg) 93 [(px_BcapFNUR = tsc_Bcap56000)] 94 [Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) 95 [(px_BcapFNUR = tsc_Bcap56000)] 96 [(px_BcapFNUR = tsc_Bcap56000)] 97 [(tcv_SetupMOr := RRC_DataInd.msg) 98 [(px_BcapFNUR = tsc_Bcap56000)] 99 [(tcv_SetupMOr := RRC_DataInd.msg] 90 [(tcv_SetupMOr := RRC_DataInd.msg] 91 [(px_BcapFNUR = tsc_Bcap56000)] 92 [(tcv_SetupMOr := RRC_DataInd.msg] 93 [(px_BcapFNUR = tsc_Bcap56000)] 94 [C ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg] 95 [C ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg] 96 [C ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg] 97 [C ? RRC_DataInd (tsc_BcapInC_ODLER, tsc_BcapOtherMT_N), cr_LLC_ANY)) 98 [C ? RRC_DataInd (tsc_BcapInC_ODLER, tsc_BcapOtherMT_N), cr_SetupMO (cdr_BcapMO_Sa_SyncT (tsc_BcapInC_ODLER, tsc_BcapOtherRA, H223, t</pre>				
90	89			
91 (px_BcapFNUR = tsc_Bcap64000)] 92 (px_RC_DataInd) (tcv_SetupMOr := RRC_DataInd.msg) (ar_UplinkDirectTransfer) (tcv_SetupMOr := RRC_DataInd.msg) (ar_BcapMO_5a_SyncT) (tcv_SetupMOr := RRC_DataInd.msg) (browned) 93 [(px_BcapFNUR = tsc_Bcap56000)] 94 (browned) 94 (browned) 94 (browned) 95 [(px_RC_DataInd) 94 (browned) 95 [(px_RC_DataInd) 96 [(px_RC_DataInd) (tcv_SetupMOr := RRC_DataInd) [(px_RC_DataInd) (tcv_SetupMOr := RRC_DataInd) [(browned) (tcv_S	90			<pre>tsc_CellDedicated, tsc_RB3,cr_SetupM0 (cdr_BcapM0_5a_SyncT (tsc_BcapITC_31kHz, tsc_BcapRA_Other, tsc_BcapSACP_I440450, tsc_BcapOtherITC_Spare,</pre>
92 bc ? RRC_DataInd(tcv_SetupMOr := RRC_DataInd.msg tsc_RB3, cr_SetupMO(cdr_BcapMO_5a_SyncT(tsc_BcapITC_UDI, tsc_BcapRA_Othtsc_BcapOtherITC_Spare,tsc_BcapOtherITC_Spare,tsc_BcapMT_None, tsc_BcapOtherMT_N), cr_LLC_Any)) 93[(px_BcapFNUR = tsc_Bcap56000)]94(bc ? RRC_DataInd(tcv_SetupMOr := RRC_DataInd.msgcar_UplinkDirectTransfer (tsc_BcapITC_Other,tsc_BcapTC_Other,tsc_BcapTC_Other,tsc_BcapTC_Other,tsc_BcapAD_ther,tsc_BcapAD_ther,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,tsc_BcapOtherITC_RDI,	91			
94 (<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	92			<pre>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</pre>
94 (<u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	93		$[(px_BcapFNUR = tsc_Bcap56000)]$	
	94			<pre>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</pre>
95 ERR6 [TRUE]	95	ERR6	[TRUE]	
lt_BS30_CheckPixit		İ	lt BS30 CheckPixit	
[(px_BcapITC <>				I
96 ERR7 <u>tsc_BcapITC_IntUDI</u>) AND (px_BcapITC <> tsc_BcapITC_IntRDI)	96	ERR7	tsc_BcapITC_IntUDI) AND (
Image: Image:			PATPOARTIC >> CBC_DCARTIC_THERDI)	<u> </u>

		AND (px_BcapITC <>	
		<pre>tsc_BcapITC_Int31kHzA)]</pre>	
97		[TRUE]	
98	ERR8	[(px_BcapSACP <> tsc_BcapSACP_I440450) AND (px_BcapSACP <> tsc_BcapSACP_X32)]	
99		[TRUE]	
Det	tailed (Comments	

ts_CC_RcvSetupOrEsetup

Test	Step Nam	<pre>g ts_CC_RcvSetupOrEsetup (p_CellId : INTEGER)</pre>			
Group		L3M_CC_Steps/			
Obje	ective	To manage Setup Mobile Originated.			
Defa	ult	NAS_OtherwiseFail			
Comments		Receipt of a SETUP message or an <u>ESETUP</u> message in can NOTE: The BCAP is a highly structured information ele constraint re-usable, so the key fields of the BCAP s parameters are used for the BCAP constraints.	ement with 69 fi		
Desc	ription		iı.		
Nr	Label Bel	naviour Description	Constraints Ref		
1		<u>tcv_ActiveService</u> = <u>tsc_SrvEmgCall</u>) OR (<u>ActiveService</u> = <u>tsc_SrvTelephony</u>)]			
2	+	lt_CC_TelephonyMO			
3		+ lt_InitCC_tcv			
4	[<u>t</u>	<pre>cv_ActiveService = tsc_SrvAltSpeechFax]</pre>			
5	+	lt_CC_TS61_MO			
6		+ lt_InitCC_tcv			
7		tcv_ActiveService=tsc_Srv31kHz)ORcv_ActiveService=tsc_SrvV110)ORcv_ActiveService=tsc_SrvV120)ORcv_ActiveService=tsc_SrvPIAFS)ORcv_ActiveService=tsc_SrvFTM)ORcv_ActiveService=tsc_SrvX31)ORcv_ActiveService=tsc_SrvBTM)ORcv_ActiveService=tsc_SrvBTM)ORcv_ActiveService=tsc_SrvBTM)ORcv_ActiveService=tsc_SrvBTM)OR			
8		px_BcapSyncAsync = tsc_BcapASync]			
9		+ lt_CC_BS20_MO			

10		L lt Init CC tour	
		+ lt_InitCC_tcv	
11		[px_BcapSyncAsync = tsc_BcapSync]	
1.0		1 1+ 00 PC20 MO	
12		+ lt_CC_BS30_MO	
13		+ lt_InitCC_tcv	
1.5			
		lt_InitCC_tcv	
14	<u> </u>	[<u>tcv_ActiveService</u> = <u>tsc_SrvEmgCall</u>]	
		(<u>tcv_TI_R</u> := <u>tcv_ESetupr</u> .ti ,	
15		<u>tcv_TI_S</u> := <u>tcv_TI_R</u> , tcv_TI_S.tiFlag := '1'B,	
15		tcv_RAB_Id := tsc_RAB_DefCS	
)	
16		[tcv_ActiveService = tsc_SrvTelephony]	
			_
		(<u>tcv_TI_R</u> := <u>tcv_SetupMOr</u> .ti ,	
		$\underline{tcv_TI_S} := \underline{tcv_TI_R},$	
17		<pre>tcv_TI_S.tiFlag := '1'B,</pre>	
		tcv_RAB_Id := tsc_RAB_DefCS	
18		<pre>[tcv_ActiveService = tsc_Srv31kHz]</pre>	
		(tcv_TI_R := tcv_SetupMOr.ti ,	
19		$tcv_TI_S := tcv_TI_R$,	
		<pre>tev_TI_S.tiFlag := '1'B,</pre>	
	<u> </u>	<pre>tcv_RAB_Id := tsc_RAB_DefCS)</pre>	
20		[TRUE]	
		lt_CC_TelephonyMO	
21		[tcv_ActiveService = tsc_SrvEmgCall]	
22		Dc ? RRC_DataInd	tsc_CellDedic
22		(<u>tcv_ESetupr</u> := <u>RRC_DataInd</u> .msg)	tsc_RB3, cr_ES
			cr_BcapSpeech
23		[<u>tcv_ActiveService</u> = <u>tsc_SrvTelephony</u>]	
			car_UplinkDir
		Dc ? RRC_DataInd	tsc_CellDedic
24		(tcv_SetupMOr := RRC_DataInd.msg)	tsc_RB3, cr_Se
			cr_BcapSpeech
0.5))
25	ERR1	[TRUE]	
	<u> </u>	lt_CC_TS61_MO	
26		$[(\underline{px}_BcapFNUR] = \underline{tsc}_Bcap9600) OR (\underline{px}_BcapFNUR] =$	
		<u>tsc_Bcap14400</u>)]	
			car_UplinkDir
			tsc_CellDedic
			tsc_RB3,cr_Se cr_BcapSpeech
			cdr_BcapMO_As
27		Dc ? RRC_DataInd	tsc_BcapITC_F
·		(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	tsc_BcapRA_No
			tsc_BcapSACP_
			tsc_BcapMT_No
			tsc_BcapOther
			cr_LLC_Any))

28	ERR1 [(<u>px_BcapFNUR</u> <> <u>tsc_Bcap9600</u>) AND (<u>px_BcapFNUR</u> tsc_Bcap14400)]	IUR <>
	lt_CC_BS20_MO	
29	+ lt_BS20_CheckPixit	
30	[tcv_ActiveService = tsc_Srv31kHz]	
31	[tcv_BcapCE = tsc_BcapCE_NT]	
32	Dc ? RRC_DataInd (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .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	<pre>Dc ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u>.msg)</pre>	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	<pre>Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)</pre>	<pre>car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cbr_BcapM0_5a tsc_BcapITC_U tsc_BcapRA_Ot tsc_BcapACP_ tsc_BcapOther tsc_BcapOther tsc_BcapOther tsc_BcapOther cr_LLC_Any))</pre>
38	[tcv_ActiveService = tsc_SrvFTM]	
39	[px_BcapITC = tsc_BcapITC_IntUDI]	
40	Dc ? RRC_DataInd (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapM0_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 (<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se

			cbr_BcapMO_5a
			tsc_BcapITC_0
			tsc_BcapRA_X3
			tsc_BcapSACP_
			tsc_BcapOther
			tsc_BcapOther
			tsc_BcapMT_No
			tsc_BcapOther
			<u>cr_LLC_Any</u>))
43	ERR3	[(<u>px_BcapITC</u> <> <u>tsc_BcapITC_IntRDI</u>) AND (
13	ERRS	<pre>px_BcapITC <> tsc_BcapITC_IntUDI)]</pre>	
44		[tcv_ActiveService = tsc_SrvV110]	
45			
45	_	[<u>tcv_BcapCE</u> = <u>tsc_BcapCE_NT</u>]	
			car_UplinkDir
			tsc_CellDedic
			tsc_RB3,cr_Se
			cbr_BcapM0_7_
10		Dc ? RRC_DataInd	tsc_BcapITC_U
46		(tcv SetupMOr := RRC DataInd.msg)	tsc_BcapRA_V1
			tsc_BcapSACP_
			tsc_BcapMT_No
			tsc_Bcap0ther
			cbr_LLC_BS20_
47		<pre>[tcv_BcapCE = tsc_BcapCE_T]</pre>	
			car_UplinkDir
			tsc_CellDedic
			tsc_RB3,cr_Se
			cbr_BcapMO_As
		Dc ? RRC DataInd	tsc_BcapITC_U
48		(tcv_SetupMOr := RRC_DataInd.msg)	tsc_BcapRA_V1
		(<u>ccv_secupior</u> · - <u>kkc_bacariu</u> .msg)	
			tsc_BcapSACP_
			tsc_BcapMT_No
			<u>tsc_BcapOther</u>
			cbr_LLC_BS20_
49	ERR4	[TRUE]	cbr_LLC_BS20_
49 50	ERR4		<u>cbr_LLC_BS20_</u>
50	ERR4	[<u>tcv_ActiveService</u> = <u>tsc_SrvV120</u>]	
	ERR4		
50	ERR4	[<u>tcv_ActiveService</u> = <u>tsc_SrvV120</u>]	
50	ERR4	[<u>tcv_ActiveService</u> = <u>tsc_SrvV120</u>]	car_UplinkDir tsc_CellDedic
50	ERR4	[<u>tcv_ActiveService</u> = <u>tsc_SrvV120</u>]	
50	ERR4	[<u>tcv_ActiveService</u> = <u>tsc_SrvV120</u>]	car_UplinkDir tsc_CellDedic
50	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI]</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab
50	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U
50	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI]</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_
50	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther
50	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther tsc_BcapASync
50	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther tsc_BcapASync tsc_BcapMT_No
50	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther tsc_BcapASync tsc_BcapMT_No tsc_BcapOther
50 51 52	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther tsc_BcapASync tsc_BcapMT_No
50	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther tsc_BcapASync tsc_BcapMT_No tsc_BcapOther
50 51 52	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)</pre>	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_
50 51 52	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapSACP_ tsc_BcapOther tsc_BcapASync tsc_BcapASync tsc_BcapOther cdr_LLC_BS20_ car_UplinkDir
50 51 52	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapACP_ tsc_BcapASync tsc_BcapMT_No tsc_BcapOther cdr_LLC_BS20_ car_UplinkDir tsc_CellDedic
50 51 52	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg)</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapACP_ tsc_BcapASync tsc_BcapASync tsc_BcapOther tsc_BcapOther cdr_LLC_BS20_ car_UplinkDir tsc_RB3,cr_Se
50 51 52 53	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [px_BcapITC = tsc_BcapITC_IntRDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapACP_ tsc_BcapACP_ tsc_BcapASync tsc_BcapMT_NO tsc_BcapOther cdr_LLC_BS20_ car_UplinkDir tsc_RB3,cr_Se cr_BcapMO_5ab
50 51 52	ERR4	<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [px_BcapITC = tsc_BcapITC_IntRDI]</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapACP_ tsc_BcapASync tsc_BcapASync tsc_BcapOther tsc_BcapOther cdr_LLC_BS20_ car_UplinkDir tsc_RB3,cr_Se cr_BcapMO_5ab tsc_RB3,cr_Se cr_BcapITC_0
50 51 52 53		<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [px_BcapITC = tsc_BcapITC_IntRDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapACP_ tsc_BcapOther tsc_BcapOther tsc_BcapOther tsc_BcapOther cdr_LLC_BS20_ car_UplinkDir tsc_RB3,cr_Se cr_BcapMO_5ab tsc_RB3,cr_Se cr_BcapMO_5ab tsc_BcapITC_O tsc_BcapSACP_
50 51 52 53		<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [px_BcapITC = tsc_BcapITC_IntRDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapOther tsc_BcapOther tsc_BcapOther tsc_BcapOther cdr_LLC_BS20_ car_UplinkDir tsc_RB3,cr_Se cr_BcapMO_5ab tsc_CellDedic tsc_RB3,cr_Se cr_BcapMO_5ab tsc_BcapITC_O tsc_BcapOther
50 51 52 53		<pre>[tcv_ActiveService = tsc_SrvV120] [px_BcapITC = tsc_BcapITC_IntUDI] Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) [px_BcapITC = tsc_BcapITC_IntRDI] Dc ? RRC_DataInd</pre>	car_UplinkDir tsc_CellDedic cr_SetupMO (cr_BcapMO_5ab tsc_BcapITC_U tsc_BcapOther tsc_BcapOther tsc_BcapOther tsc_BcapOther cdr_LLC_BS20_ car_UplinkDir tsc_RB3,cr_Se cr_BcapMO_5ab tsc_CellDedic tsc_RB3,cr_Se cr_BcapMO_5ab tsc_BcapITC_O tsc_BcapSACP_

cdr.LiC.B: cdr.LiC.B: 55 ERR5 [[px_BcapITC <> tac_BcapITC_IntUDI] AND (px_BcapITC <> tac_BcapITC_IntUDI] AND (px_BcapITC <> tac_BcapITC_IntUDI] AND (px_BcapITC <> tac_BcapITC_ 56 ERR1 [TRUE] 57 ERR6 Eac_BcapITC_IntIDI] AND (px_BcapITC <> tac_BcapITC <> tac_BcapITC <> tac_BcapITC <> tac_BcapITC <> tac_BcapITC_IntIDI] AND (px_BcapITC <> tac_BcapITC = 58 [TRUE]			1	
55 ERR5 [(] X_BCapITC <> tsc_BCapITC IntRDI)] 56 ERR1 [TRUE]				tsc_BcapOther
53 px_BeapITC <> tsc_BcapITC_IntRDI)] 56 BRRI [TRUE] 57 ERR6 [L BS20_CheckPixit 57 ERR6 [L C BS20_CheckPixit 58 [TRUE] 59 BRR7 [Pz_BcapEACP <> tsc_BcapEACP 1440450] 60 [TRUE] 61 + 1t_BS30_MO 62 [tcv_ActiveService = tsc_Srv31kHz] 63 + 1t_BS30_31kHz 64 [tcv_ActiveService = tsc_Srv10] 65 Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) (tsc_Baac) tsc_BaapI tsc_B				car_LLC_BS20_
11_BS20_checkPixit 11_BS20_checkPixit 11_BS20_checkPixit 11_BS20_checkPixit 11_BS20_checkPixit 11_DXD([px_BcapITC]) 11_BS20_checkPixit 11_DXD([px_BcapITC]) 11_BS20_checkPixit 11_DXD([px_BcapITC]) 11_CC_DS30_MO 11_CC_DS30_MO 11_CC_DS30_MO 11_CC	55	ERR5		
57 ERR6 [(px_BcapITC intcDI) AND (px_BcapITC <> tsc_BcapITC intCDI) 58 [TRUE]	56	ERR1	[TRUE]	
57 ERR6 [(px_BcapITC intcDI) AND (px_BcapITC <> tsc_BcapITC intCDI) 58 [TRUE]			lt BS20 CheckPixit	
59 ERR7 [$px_BcapSACP \leftrightarrow tsc_BcapSACP_1440450]$ 60 [I TRUE]	57	ERR6	[(<u>px_BcapITC</u> <> <u>tsc_BcapITC_IntUDI</u>) AND (<u>px_BcapITC</u> <> <u>tsc_BcapITC_IntRDI</u>) AND (<u>px_BcapITC</u> <>	
60 I TRUE] IIICC_BS30_MO 61 + It_BS30_CheckPixit III 62 I tov ActiveService = tsc_Srv31kHz] IIII 63 + It_BS30_31kHz IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	58		[TRUE]	
60 I TRUE] III	59	ERR7	[px BcapSACP <> tsc BcapSACP 1440450]	
1t_CC_BS30_MO 61 + 1t_BS30_CheckPixit 62 [tcv_ActiveService = tsc_Srv31kHz] 63 + 1t_BS30_31kHz 64 [tcv_ActiveService = tsc_SrvV110] 65 Dc ? RRC_DataInd 65 Dc ? RRC_DataInd 66 [tcv_ActiveService = tsc_SrvX31] 66 [tcv_ActiveService = tsc_SrvX31] 66 [tcv_ActiveService = tsc_SrvX31] 67 Dc ? RRC_DataInd (tcv_SetupMor := RRC_DataInd.msg) 68 [tcv_ActiveService = tsc_SrvX31] 69 [tcv_ActiveService = tsc_Srv120] 69 [tcv_ActiveService = tsc_Srv120] 69 [tcv_ActiveService = tsc_Srv120] 70 Dc ? RRC_DataInd (tcv_SetupMor := RRC_DataInd.msg) 70 Dc ? RRC_DataInd (tcv_SetupMor := RRC_DataInd.msg) 71 [tcv_ActiveService = tsc_Srv120] 72 Dc ? RRC_DataInd				
61 + lt_BS30_CheckPixit 62 [tcv_ActiveService] = tsc_Srv31kHz] 63 + lt_BS30_31kHz 64 [tcv_ActiveService] = tsc_Srv110] 65 [tcv_ActiveService] = tsc_Srv110] 65 [tcv_ActiveService] = tsc_Srv31kHz] 65 [tcv_ActiveService] = tsc_Srv31] 65 [tcv_ActiveService] = tsc_Srv31] 66 [tcv_ActiveService] = tsc_Srv31] 67 [tcv_ActiveService] = tsc_Srv31] 67 [tcv_ActiveService] = tsc_Srv120] 68 [tcv_ActiveService] = tsc_Srv120] 69 [tcv_ActiveService] = tsc_Srv120] 69 [tcv_ActiveService] = tsc_Srv120] 70 [tcv_ActiveService] = tsc_BcapITC_IntUDI] 70 [tcv_SetupMor := RRC_DataInd].msg] 71 [px_BcapITC] = tsc_BcapITC_IntRDI] 72 [px_BcapITC] = tsc_BcapITC_IntRDI]				
62 I tcv_ActiveService = tsc_Srv31kHz 1 63 + lt_BS30_31kHz 64 I tcv_ActiveService = tsc_Srv1101 65 Dc ? RRC_DataInd (tcv_SetupMor := RRC_DataInd.msg) car_Uplin tsc_RapM (tsc_BcapM (tsc_BcapM tsc	C 1	_		
63 + lt_BS30_31kHz 64 [tcv_ActiveService = tsc_SrvV110] 65 [tcv_ActiveService = tsc_SrvV110] 65 [tcv_SetupMOr := RRC_DataInd.msg] 66 [tcv_ActiveService = tsc_SrvX31] 66 [tcv_ActiveService = tsc_SrvX31] 67 [tcv_ActiveService = tsc_SrvX31] 67 [tcv_ActiveService = tsc_SrvX31] 68 [tcv_ActiveService = tsc_SrvV120] 69 [tcv_ActiveService = tsc_SrvV120] 69 [tcv_ActiveService = tsc_SrvV120] 69 [tcv_ActiveService = tsc_SrvV120] 70 [tcv_SetupMor := RRC_DataInd .msg] 71 [tcv_SetupMor := RRC_DataInd .msg] 72 [tcv_ReapITC = tsc_BcapITC_IntRDI]	-			
64 [tcv_ActiveService = tsc_SrvV110] 65 Image: Control of the stat	-			
65 	63		+ lt_BS30_31kHz	
65	64		[<u>tcv_ActiveService</u> = <u>tsc_SrvV110</u>]	
67	65			<pre>car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se cdr_BcapMO_Sy (tsc_BcapIT tsc_BcapRA_V1 tsc_BcapSACP_ tsc_BcapOther cbr_LLC_BS30_</pre>
67	66		[<u>tcv_ActiveService</u> = <u>tsc_SrvX31</u>]	
69 [px_BcapITC = tsc_BcapITC_IntUDI] 70 <u>Dc</u> ? <u>RRC_DataInd</u> (<u>tcv_SetupMOr</u> := <u>RRC_DataInd.msg</u>) <u>Isc_BcapITC</u> = <u>tsc_BcapITC_IntRDI</u>] <u>T1</u> [px_BcapITC = tsc_BcapITC_IntRDI] <u>Dc</u> ? <u>RRC_DataInd</u> [tsc_BcapITC_IntRDI] <u>T2</u> <u>Dc</u> ? <u>RRC_DataInd</u> [tsc_CallDo	67		(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	<pre>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))</pre>
70 Dc ? RRC_DataInd (tcv_SetupMOr := RRC_DataInd.msg) car_Uplind tsc_BcapI tsc_BcaPI tsc_BcaP	68		[<u>tcv_ActiveService</u> = <u>tsc_SrvV120</u>]	
70 Dc ? RRC_DataInd tsc_Cellbe 70 Dc ? RRC_DataInd tsc_BcapI (tcv_SetupMOr := RRC_DataInd.msg) tsc_BcapS 71 [px_BcapITC = tsc_BcapITC_IntRDI] cdr_LLC_BS 72 Dc ? RRC_DataInd car_Uplind	69		[<u>px_BcapITC</u> = <u>tsc_BcapITC_IntUDI</u>]	
Dc ? RRC_DataInd car_Uplinition	70			<pre>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_</pre>
Dc ? RRC_DataInd car_Uplinities	71		[px_BcapITC = tsc_BcapITC_IntRDI]	
I I I tay SetupMor := RRC DataInd mga)	72			car_UplinkDir tsc_CellDedic tsc_RB3,cr_Se

	_		
			cr_BcapMO_5ab
			tsc_BcapITC_0
			tsc_BcapSACP_
			tsc_BcapOther
			tsc_BcapSync
			tsc_BcapMT_No
			tsc_BcapOther
		I	cdr_LLC_BS30_
73	ERR4	[TRUE]	
74		[tcv_ActiveService = tsc_SrvBTM]	
75		$[(px_BcapFNUR = tsc_Bcap56000)]$	
			car_UplinkDir
			tsc_CellDedic
			tsc_RB3,cr_Se
			cdr_BcapMO_5a
			(<u>tsc_BcapITC</u>
76		Dc ? RRC_DataInd	tsc_BcapRA_Ot
10		(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	tsc_BcapSACP_
1			tsc_BcapOther
			tsc_BcapOther
			tsc_BcapMT_No
			tsc_BcapOther
			cr_LLC_Any))
77		$[(\underline{px}\underline{BcapFNUR} = \underline{tsc}\underline{Bcap64000})]$	
			car_UplinkDir
			tsc_CellDedic
			tsc_RB3,cr_Se
			cdr_BcapMO_Sy
78		Dc ? <u>RRC_DataInd</u>	tsc_BcapITC_U
/ 0	(tcv_SetupMOr := RRC_DataInd.msg)	(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	tsc_BcapRA_No
			tsc_BcapSACP_
			tsc_BcapMT_No
			tsc_BcapOther
			cr_LLC_Any))
79	ERR5	[TRUE]	
80		<pre>[tcv_ActiveService = tsc_SrvMmediaCall]</pre>	
81		+ lt_BS30_Mmedia	
82	ERR1	[TRUE]	
		lt_BS30_31kHz	
83		[px_BcapSACP = tsc_BcapSACP_I440450]	
	-	<u> </u>	 car_UplinkDir
1			tsc CellDedic
1			tsc_RB3,cr_Se
1			cdr_BcapMO_Sy
		Dc ? RRC_DataInd	tsc_BcapITC_3
84		(tcv_SetupMOr := RRC_DataInd.msg)	tsc_BcapRA_No
			tsc_BcapSACP_
			px_BcapModemT
1			px_BcapOtherM
			cdr_LLC_BS30_
85	-	[px_BcapSACP = tsc_BcapSACP_X32]	
86		[(tcv_BcapCE = tsc_BcapCE_NT)]	
00			The liter later
		Da 2 PPC DataInd	car_UplinkDir
87		Dc ? <u>RRC_DataInd</u>	tsc_CellDedic
		(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	tsc_RB3, cr_Se
			cdr_BcapMO_7_

	-		
			tsc_BcapITC_3
			tsc_BcapRA_No
			tsc_BcapSACP_
			px_BcapModemT
			px_BcapOtherM
		1	cdr_LLC_BS30_
88		[(<u>tcv_BcapCE</u> = <u>tsc_BcapCE_T</u>)]	
			car_UplinkDir
			tsc_CellDedic
			tsc_RB3,cr_Se
			cdr_BcapMO_Sy
89		Dc ? RRC_DataInd	tsc_BcapITC_3
69		(<u>tcv_SetupMOr</u> := <u>RRC_DataInd</u> .msg)	tsc_BcapRA_No
			tsc_BcapSACP_
			px_BcapModemT
			px_BcapOtherM
			cdr_LLC_BS30_
90	ERR2	[TRUE]	
91	ERR3	[TRUE]	
		lt_BS30_Mmedia	
		[(px_BcapFNUR = tsc_Bcap28800) OR (px_BcapFNUR =	
92		$\frac{1}{1 \text{ (} \underline{px}_{b} \underline{caprnok} - \underline{csc_{b} \underline{cap28800}} \text{) or (} \underline{px}_{b} \underline{caprnok} - \underline{csc_{b} \underline{cap28800}} \text{) } $	
			car_UplinkDir
			tsc_CellDedic
			tsc_RB3,cr_Se
			cdr_BcapMO_5a
		Dc ? RRC DataInd	(<u>tsc_BcapITC</u>
93		(tcv_SetupMOr := RRC_DataInd.msg)	tsc_BcapRA_Ot
		(<u></u> <u></u> ,	tsc_BcapSACP_
			tsc_BcapOther
			tsc_BcapOther
			tsc_BcapOther
			cr_LLC_Any))
94		[(<u>px_BcapFNUR</u> = <u>tsc_Bcap32000</u>) OR (<u>px_BcapFNUR</u> = tsc_Bcap64000)]	
			car_UplinkDir
			tsc_CellDedic
			tsc_RB3,cr_Se
			cdr_BcapMO_5a
			(tsc_BcapITC
		Dc ? RRC_DataInd	tsc_BcapRA_Ot
95		(tcv_SetupMOr := RRC_DataInd.msg)	tsc_BcapSACP_
			tsc_BcapOther
			tsc_BcapOther
			tsc_BcapMT_No
			tsc_BcapOther
			cr_LLC_Any))
96		[(px_BcapFNUR = tsc_Bcap56000)]	
-			
1			tsc_CellDedic
1			cr_SetupMO (
			cdr_BcapMO_5a
		Dc ? RRC DataInd	(tsc_BcapITC
97		(tcv_SetupMOr := RRC_DataInd.msg)	tsc_BcapRA_Ot
		(<u>cor_coupler</u> - <u>muc_curd</u> .mpg)	tsc_BcapSACP_
1			tsc_BcapOther
			tsc_BcapOther
1			tsc_BcapMT_No
1	1	1	

			<pre>tsc_BcapOther cr_LLC_Any))</pre>
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]	
Deta			

cbr_BcapMO_5a_AsyncNT

cp : <u>B3</u> ; p_C
Non transpar with 69 field rametrised. T
> ue
et 3

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_Na p_Sacp	 I.440/I.450
extBit5a	<u>'1'B</u>	no extension
OherItc	p_OtherItc	
OtherRateAdapt	p_OtherRa	
spare3	'000'B	
extBit5b		
L	_	
rateAdaptHeader multiFrame	-	
	-	
mode	-	
logLinkId	-	
assignorAssignee	-	
inBandOutBand		
sparel	-	
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
<mark>intermRate</mark>	'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				

cbr_BcapMO_5a_AsyncNT

Constraint Name	<pre>cbr_BcapMO_5a_AsyncNT (p_Itc : B3 ; p_Ra: B2; p_Sacp : B3 ; p_C p_ModemType : B5; p_OtherModemType : B2)</pre>				
Structured Type	Bcap				
Derivation Path					
Encoding Variation	n				
		Base Bearer capability with an Asynchronous mode and Non transpar containing octets 3, 4, 5 , 5a, 6, 6a, 6b, 6c and 6d .			
Comments	make the com	nstraint re-usable, so the	ation element with 69 field key fields of the BCAP sha e 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			

cbr_BcapMO_7_AsyncNT

Constraint Name	<pre>cbr_BcapMO_7_AsyncNT (p_Itc : B3 ; p_RA: B2 ; p_Sacp : B3 ; p_Mo p_OtherModemType : B2)</pre>		
Structured Type	Bcap		
Derivation Path			
Encoding Variation	1		
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	1
sacp	p_Sacp	1
extBit5a		
OherItc		
OtherRateAdapt	-	
spare3		
extBit5b		
rateAdaptHeader	_	
multiFrame	-	
mode	-	
logLinkId	-	
assignorAssignee	-	
inBandOutBand	-	
sparel	-	
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
<mark>intermRate</mark>	'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	*	1

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

cbr_BcapMO_7_AsyncNT

Constraint Name	<pre>cbr_BcapMO_7_AsyncNT (p_Itc : B3 ; p_RA: B2 ; p_Sacp : B3 ; p_Mo p_OtherModemType : B2)</pre>			
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		1
sacp	p_Sacp		1
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, '0100'B,		spare
	'0110'B)		
extBit6b			extension
extBit6b intermRate	'0110'B)		extension <mark>spare</mark>
	'0110'B) '0'B	 	
intermRate	'0110'B) '0'B <mark>'??'B</mark>		spare
<mark>intermRate</mark> nicTx	'0110'B) '0'B <mark>'??'B</mark> '0'B		<mark>spare</mark> spare
<mark>intermRate</mark> nicTx nicRx	'0110'B) '0'B <mark>'??'B</mark> '0'B '0'B		<mark>spare</mark> spare
<mark>intermRate</mark> nicTx nicRx parity	'0110'B) '0'B '??'B '0'B '0'B ?		<mark>spare</mark> spare spare
intermRate nicTx nicRx parity extBit6c connectElem	'0110'B) '0'B '??'B '0'B '0'B ? '0'B ? '0'B '01'B		<mark>spare</mark> spare spare extension
intermRate nicTx nicRx parity extBit6c connectElem modemType	'0110'B) '0'B '??'B '0'B '0'B ? '0'B		spare spare spare extension Non Transparent
intermRate nicTx nicRx parity extBit6c connectElem	<pre>'0110'B) '0'B '2?'B '0'B '0'B '0'B ? '0'B '0'B '0'B '0'B</pre>		<mark>spare</mark> spare spare extension
intermRate nicTx nicRx parity extBit6c connectElem modemType extBit6d	<pre>'0110'B) '0'B '0'B '0'B '0'B ? '0'B ? '0'B '0'B</pre>		spare spare spare extension Non Transparent
intermRate nicTx nicRx parity extBit6c connectElem modemType extBit6d OtherModemType	<pre>'0110'B) '0'B '0'B '0'B '0'B '0'B ? '0'B ? '0'B '01'B p_ModemType * p_OtherModemType IF_PRESENT px_BcapFNUR</pre>		spare spare spare extension Non Transparent
<pre>intermRate nicTx nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e</pre>	<pre>'0110'B) '0'B '0'B '0'B '0'B '0'B '0'B '0'B</pre>		spare spare spare extension Non Transparent
intermRate nicTx nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e acceptChCoding	<pre>'0110'B) '0'B '0'B '0'B '0'B '0'B '0'B ? '0'B '0'B</pre>		spare spare spare extension Non Transparent
<pre>intermRate nicTx nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e</pre>	<pre>'0110'B) '0'B '0'B '0'B '0'B '0'B '0'B '0'B</pre>		spare spare spare extension Non Transparent

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

Before:

cbr_BcapMO_AsyncT

	abr DaapMO Aarman		$p D \cdot D \cdot p \cdot p Cogn \cdot D \cdot p Mo$
Constraint Name	p_OtherModemType		p_RA: <u>B2</u> ; p_Sacp: <u>B3</u> ; p_Mo
Structured Type	Bcap		
Derivation Path			
Encoding Variation			
Comments	containing octets The BCAP is a high make the constra	3, 4, 5 , 6, 6a, hly structured inf int re-usable, so	nchronous mode and transparent 6b, 6c, and 6d. Formation element with 69 field the key fields of the BCAP sha s 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
	'00'B		
accessId			[
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
			extension bit, octet ba
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	*	<u> </u>	
extBit6f	*		1
uIMI	*	 	I
	*		
wAIUR	*		
extBit6g		<u> </u>	

Detailed Comments	т <u>.</u>	r	-	
userInfoLayer2	-			
layer2id	-			
extBit7	-			
spare2	*			
asymInd	*			
acceptChCodingExt	*			

After:

cbr_BcapMO_AsyncT

Constraint Name	<u>cbr_BcapMO_AsyncT</u> p_OtherModemType		p_RA: <u>B2</u> ; p_Sacp : <u>B3</u> ; p_Mo			
Structured Type	Всар					
Derivation Path						
Encoding Variation						
CommentsBase Bearer capability with an Asynchronous mode and transpa containing octets 3, 4, 5, 6, 6a, 6b, 6c, and 6d. The BCAP is a highly structured information element with 69 make the constraint re-usable, so the key fields of the BCAP 						
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		1.110/1.130
OherItc		
OtherRateAdapt		
spare3		
extBit5b		
rateAdaptHeader		
multiFrame		
mode		
logLinkId		
assignorAssignee		
inBandOutBand		
	-	
sparel extBit6	- '0'B	extension
	'0'B	Default
layer1Id		 <u>Default</u>
userInfoLayer1	'0000'B	 - 1
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
	'0'B ?	spare
nicRx		spare extension
nicRx parity	?	
nicRx parity extBit6c	? '0'B	extension
nicRx parity extBit6c connectElem	? '0'B '00'B	extension
nicRx parity extBit6c connectElem modemType	? '0'B '00'B p_ModemType	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d	<pre>? '0'B '00'B p_ModemType * p_OtherModemType</pre>	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d OtherModemType	<pre>? '0'B '00'B p_ModemType * p_OtherModemType IF_PRESENT px_BcapFNUR</pre>	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate	<pre>?</pre>	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e	<pre>? '0'B '00'B p_ModemType * p_OtherModemType IF_PRESENT px_BcapFNUR IF_PRESENT * </pre>	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e acceptChCoding	<pre>? ? '0'B '00'B p_ModemType * p_OtherModemType IF_PRESENT px_BcapFNUR IF_PRESENT * </pre>	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e acceptChCoding maxNumTrafficCh	<pre>? ? '0'B '00'B p_ModemType * p_OtherModemType IF_PRESENT px_BcapFNUR IF_PRESENT * * *</pre>	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e acceptChCoding maxNumTrafficCh extBit6f	<pre>? ? '0'B '00'B p_ModemType * p_OtherModemType IF_PRESENT px_BcapFNUR IF_PRESENT * * * * *</pre>	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e acceptChCoding maxNumTrafficCh extBit6f uIMI	<pre>? ? '0'B '00'B p_ModemType * p_OtherModemType IF_PRESENT px_BcapFNUR IF_PRESENT * * * * * *</pre>	extension Transparent
nicRx parity extBit6c connectElem modemType extBit6d OtherModemType FixedNtwUserRate extBit6e acceptChCoding maxNumTrafficCh extBit6f uIMI wAIUR	<pre>? ? '0'B '00'B p_ModemType * p_OtherModemType IF_PRESENT px_BcapFNUR IF_PRESENT * * * * * * * * * * * * * * * * * * *</pre>	extension Transparent

spare2	*		
extBit7	-		
layer2id	-		
userInfoLayer2	-		
Detailed Comments			

									005 7
			(CHANGE	E REQ	UESI	Г		CR-Form-v7
æ	TS 3	<mark>4.123-</mark>	B CR	403	жrev	- [#]	Current vers	^{ion:} 3.6.0	ж
For <mark>HE</mark>	LP on u	ising this fo	orm, see	bottom of th	is page or	look at th	ne pop-up text	over the X sy	mbols.
Proposed o	change	affects:	UICC a	pps₩	ME <mark>X</mark>	Radio A	Access Networ	k Core N	etwork
Title:	ж	Correcti	on to Ap	proved RRC	Package 2	1 TC 8.3.	4.3		
Source:	ж	Ericssor	า						
Work item	code: ଝ	TEI					<i>Date:</i> ೫	06/07/2004	
Category:	¥ 	F (cc A (cc B (au C (fu D (eu	orrection) orrespond ddition of Inctional ditorial m xplanatio	modification of odification) of not of odification)	on in an eai feature)		2	Rel-5 the following re (GSM Phase 2) (Release 1996, (Release 1997, (Release 1998, (Release 1999, (Release 4) (Release 5) (Release 6))))
Reason for	r change		set t swite coul ente prev 2. The calc mes the I 3. At st 1: U	o value 640m ched in SS, th d lead to that rs Monitored ent this, Time value of DPC ulated from th sage. Thereford MR is receive the 4b in spece E may option	ns. At step nis switch of a UE send set and ha eToTrigger CH frame of ne IE Cell s ore the cor ed. cific messa ally include	4a in exp could tak ds a MR as sufficient for even offset in A synchron offiguratio age content e Cell me	with the TimeT pected sequent e longer time to with event 1 a ent power) dur it 1 a should be active Set Update isation information n of the DPCH ents of prose of easured results ombination of	the power than 640ms, w for Cell 2 (as 0 ing this time. I a set to value 5 ate message s ation in the MF I cannot be do f TC a note sa s IE for Cell 1	is /hich Cell2 n order to 5000ms. should be cone before hys: "Note and 2".
Summary o	of chang	ye: #	TTC Cell 1. Loca	N. This MR c B. al test step ac	could conta	in only C	inge TimeToTi uires a change	A and NOT in	cluding It 1a to

- 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

		Υ	Ν			
Other specs	ж		Χ	Other core specifications #	B	
affected:		Х	X	Test specifications O&M Specifications	-	TS 34.123-1
Other comments:	Ж	Α	ffec	ts R99, Rel4 and Rel5 UEs.		
Other comments:	ж	A	ffec	ts R99, Rel4 and Rel5 UEs.		

How to create CRs using this form:

- 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 <u>ftp://ftp.3gpp.org/specs/</u> 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:

Tes	st Case	Name	tc_8_3_4_3							
Gr	oup		RRC/RRC_ActSetUpdate/							
Pu	rpose		1. To confirm that the UE continues to communicate with the SS on t removes radio link which exists prior to the execution of active se							
Co	nfigura	tion								
Def	fault		RRC_Def1	RC_Def1						
Co	mments	5								
Sel	ection I	Ref	FDD_Mode							
Des	scriptio	n	Active set update in soft handover	: Combined radio link	add	ition and				
Nr	Label	Beha	viour Description	Constraints Ref	Ve rd ict	Comment				
1		START	[<u>t_Guard</u>	-						
2		+lt	_RRC_InitVariables		_	Initial 1				
3			<pre>pr_GotoState6_9_Or6_10_MO (CellA)</pre>			Initial (PS or CS <mark>7.4</mark>				
4			+ <u>ts_SS_CreateCellDCH(tsc_CellB</u>)			Create ce				
<u> </u>		<u></u>								
21			SS_IncrementCellPowerLevel _CellC ,20)			Step 1;				
22			BHO_ConfigureAdditionalDL_DPCH (CellC)	-		To confi <u>c</u> (downlinł				
23		+lt_F	ReceiveMeasurementReportCellC_ela	-		Step 2. N				
24			<pre>TransmitActiveSetUpdateAdd_Remove(CellC, tcv_CellInfoB.priScrmCode)</pre>			Step 3 . including Informat: "Radio L: cell A ((
				car_MeasurementReport	_					
<mark>67</mark>	TBPS3		? <u>RLC_AM_DATA_IND</u> L t_WaitMS	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFre qPeriodic2cell_elb (1, tcv_CellInfoA.priScrm Code, OMIT, tcv_CellInfoB.priScrm</pre>	(P)	Cell A, H <mark>040243 s:</mark>				

tc_8_3_4_3

	Code, c_CellSynchron Information, tcv_CellInfoC Code))	
Detailed C	omments	

After:

tc_8_3_4_3

Tes	st Case	Name	tc_8_3_4_3			
Gr	oup		RRC/RRC_ActSetUpdate/			
<u> </u>	rpose		1. To confirm that the UE continues t link which exists prior to the execut			
Co	nfigura	tion				
Def	fault		RRC_Def1			
Co	mment	S				
Sel	ection]	Ref	FDD_Mode			
Des	scriptio	n	Active set update in soft handover: (Combined radio link	add	ition and
Nr	Label	Beha	viour Description	Constraints Ref	Ve rd ict	Comment
1			[<u>t_Guard</u>			
2		+1t	_RRC_InitVariables			Initial :
3			-lt_GotoState6_9_Or6_10_MO (Local tre intra fre Initial c according
4			+ <u>ts_SS_CreateCellDCH</u> (<u>tsc_CellB</u>)		<u> </u>	Create ce
21		+ <u>ts_</u> ,20)	SS_IncrementCellPowerLevel (tsc_CellC			Step 1;
22		+lt_F	ReceiveMeasurementReportCellC_ela			Step 2. 1
23			SHO_ConfigureAdditionalDL_DPCH (CellC)			To config (downlin)
		<u> </u>				
48			AM ! RLC_AM_DATA_REQ	<pre>cas_UE_CapabilityI nfoCnfAM (tsc_CellDedicated, tsc_RB2,</pre>		Step 11.

		1		
		<pre>cs_108_UE_Capabili tyInfoCnfAM (tcv_CellIndInfo.dl _IntegrityCheckInf o, tcv_RRC_Ti))</pre>		
	lt_GotoState6_9_Or6_10_MO (p_CellId :INTEGER)			
49	[px_RAT=fdd]			FDD spec:
50	+ <u>ts_SS_CreateCellDCH</u> (p_CellId)			Configure
51	<pre>+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))</pre>			Sends the for spec: Special & measureme additiona
52	+ts_IdleUpdated (p_CellId)			Idle Upda release t
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)	•		
74 TBPS		<pre>car_MeasurementRep ort (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntra FreqPeriodic2cell_ elb (1, tcv_CellInfoC.priS crmCode, OMIT, tcv_CellInfoA.priS</pre>	(P)	Cell C,

<pre>tcv_CellInfoA.priS crmCode))</pre>		
larmCode OMIT	·	Cell C, sic@
<pre>car_MeasurementRep ort (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntra FreqPeriodic2cell_ elb (1, tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoB.priS crmCode, c_CellSynchronisat ionInformation, tcv_CellInfoC.priS crmCode))</pre>	(P)	Cell A, H
	<pre>crmCode)) car_MeasurementRep ort (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntra FreqPeriodic3cell_ elb (1, tcv_CellInfoC.priS crmCode, OMIT, tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoA.priS crmCode,) c_CellSynchronisat ionInformation, tcv_CellInfoA.priS crmCode)) car_MeasurementRep ort (tsc_RB2, cr_MeasReportIntra FreqPeriodic2cell elb (1, tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoA.priS crmCode, c_CellSynchronisat elb (1, tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoB.priS crmCode, OMIT, tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoB.priS crmCode, c_CellSynchronisat ionInformation, tcv_CellInfoB.priS</pre>	crmCode))()car_MeasurementRep ort (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntra FreqPeriodic3cell_ elb (1, tcv_CellInfoC.priS crmCode, OMIT, tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoB.priS crmCode, c_CellSynchronisat ionInformation, tcv_CellInfoA.priS crmCode))()car_MeasurementRep ort (tsc_RB2, cr_MeasReportIntra FreqPeriodic2cell elb (1), tcv_CellInfoA.priS crmCode, OMIT, tcv_CellInfoA.priS crmCode))()

New constraint:

cb_SIB11_TimeToTrigger

Constraint Name	<pre>cb_SIB11_TimeToTrigger (p_ActiveCellInfo, p_IntraCellInfo2, p_In p_IntraCellInfo5, p_InterCellInfo6, p_InterCellInfo7, p_InterCell p_ttt_elb, p_ttt_elc : <u>TimeToTrigger</u>)</pre>
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 ela : {
          triggeringCondition monitoredSetCellsOnly,
          reportingRange 5,
          w 1,
          reportDeactivationThreshold t2,
          reportingAmount ra4,
          reportingInterval ri4
        },
        hysteresis 0,
        timeToTrigger p_ttt_ela,
        reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
      },
      {
        event elb : {
          triggeringCondition activeSetCellsOnly,
          reportingRange 5,
```

```
forbiddenAffectCellList OMIT,
            w 1},
          hysteresis 0,
          timeToTrigger p_ttt_elb,
          reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
        },
        {
          event elc : {
            replacementActivationThreshold t3,
            reportingAmount ra4,
            reportingInterval ri4
          },
          hysteresis 0,
          timeToTrigger p ttt elc,
          reportingCellStatus withinActiveAndOrMonitoredUsedFreg : 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_{\rm i}
        }
      },
        interFreqCellID p_InterCellInfo8.cellId,
        frequencyInfo OMIT,
        cellInfo {
          cellIndividualOffset OMIT, -- default value
          referenceTimeDifferenceToCell OMIT,
          modeSpecificInfo fdd : {
            primaryCPICH_Info { primaryScramblingCode p_InterCellInfo8.pri;
            readSFN_Indicator FALSE,
```

Detailed Comments

Other comments:

ж

Tdoc #T1s040367

		CR-Form-v7
	CHANGE REQUEST	
ж <mark>34</mark>	<mark>4.123-3</mark> CR 404 ⋇rev - ^ℋ Current ve	ersion: 3.6.1 [#]
For <u>HELP</u> on us	sing this form, see bottom of this page or look at the pop-up te	ext over the X symbols.
Proposed change a	affects: UICC apps೫ ME 🗙 Radio Access Netw	vork Core Network
Title: ೫	Regression error corrections to wk17, wk20 and wk23.	
	MCC task160	
		07/07/0004
Work item code: ೫	N/A Date:	₩ <mark>07/07/2004</mark>
	FRelease:Use one of the following categories:Use oneF (correction)2A (corresponds to a correction in an earlier release)R96B (addition of feature),R97C (functional modification of feature)R98D (editorial modification)R99Detailed explanations of the above categories canRel-4be found in 3GPP TR 21.900.Rel-5Rel-6	
Reason for change.	 # There were the TTCN regression tests to iWD-TVB2003 23 /26. A number of error reports were received. The err in order to get the concerned TCs working. This CR inclu- necessary documentation. 	or corrections were done
Summary of change	re: # Three Excell sheets ErrorList_wk17.xls, ErrorList_wk20.: are included. The three lists can also be found in the TTO TVB2003-03_D04wk20, wk23 and wk26.	
Consequences if not approved:	Comparison Comparison <thcomparison< th=""> Comparison Comparis</thcomparison<>	S.
Clauses affected:	x	
Other specs affected:	YN%XAOther core specificationsXTest specificationsXO&M Specifications	

CR page 1

T1S #04037403xxxx

	CHANGE REQUEST		CR-Form-v7
* ATS	$\frac{\text{RRC}}{1} \text{CR} \frac{03 \times 2 \times 2}{405} $$ \text{$$ \text{$$ \text{$$ \text{$$ \text{$$ \text{$$ \text{$	Current versi	on: 3.6.0 ¥
For <u>HELP</u> Proposed chai	on using this form, see bottom of this page or look at the nge affects: UICC apps # ME Radio Acc	pop-up text	
Title: Source:	# TTCN Correction to GCF P2 IR_U 8.3.7.1 & 8.3.7.4 # Anritsu Ltd	1	
Work item cod	e:೫ <mark>N/A</mark>	Date: ೫	09/07/04
Category:	 F Use <u>one</u> 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 <u>TR 21.900</u>. 	Use <u>one</u> of t 2 R96 R97 R98 R99 Rel-4 Rel-5	R99 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)

Reason for change: ೫	Missing tcv assignment in test step, ts_G_ChannelRelease
Summary of change: ೫	
	For more details see below.
Consequences if # not approved:	Test case will fail

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

How to create CRs using this form:

- 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 <u>ftp://ftp.3gpp.org/specs/</u> 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 tc_8_3_7_1 & tc_8_3_7_4 required for approval
Source:	Anritsu Ltd.
Agenda Item:	TTCN Issues
Document for: Contact:	Approval Dan Fox (Anritsu) <u>dan.fox@eu.anritsu.com</u> Tel: +44 1582 433357

Table Of Contents

1	Overview	. 4
2	New Tables Added	. 5
	Tables Modifed 2.2 ts_G_ChannelRelease	

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

New Tables Added 2

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 Ste	p Id:	ts_G_ChannelReleas	se (p_CellId : INTEGER;	p_PhyId	PhysicalChId)
Test Ste	p Group Ref:				
Objectiv	e:				
Defaults	:	IntersystemDef			
Comments	:	@sic ER1825 sic@ s	send Channel Release ti U	E on app	ropriate channel
		•			
Nr Label	Behavio	ur Description	Constraint Ref	Verdict	Comments
1	+lt SendChR				
2		ceiveMessageTimer			
-	(5)				
3		CL2_Release_IND ceiveMessageTimer	cr_G_CL2_Release_IND (p_CellId)	(P)	Release Data Link
4	?TIMEOUT t_ReceiveMe	ssageTimer			CL2_Release_IND is optional
lt_SendC	hRelease				
5	[p_PhyId =	tsc_PhyCh0]			
6	(tcv_RR_SA	PI := tsc_SAPI_0)			
7	_G_L2 ! G_3	L2_DATA_REQ	<pre>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)</pre>		Send Channel Release
8	[TRUE]				
9	(tcv_RR_SA	PI2 := tsc_SAPI_0)			
10	G_L2 ! G_:	L2_DATA_REQ	<pre>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)</pre>		Send Channel Release

			(CHANG	ERE	QU	ES1	-			CR-Form-v7
ж	TS 3	<mark>34.123-3</mark>	CR	406	жre ۱	/	ж	Current ver	rsion:	3.6.1	ж
For <u>HE</u>	LP on u	ising this for	m, see	bottom of tl	his page (or loo	k at th	ne pop-up te	t over	r the	nbols.
Proposed	change	affects:	JICC a	pps#	ME	<mark>X</mark> R	adio A	Access Netwo	ork	Core Ne	etwork
Title:	æ			kage 2 NAS is powered			ases 9).4.8; for ren	noval	of <i>'USIM</i> i	removal
Source:	Ħ	Anite									
Work item	code: Ж	N/A						Date:	€ <mark>9/0</mark>	7/2004	
Category:	¥	F (cor A (cor B (ado C (fun D (edi	rection) respond dition of ctional torial m planatio	ds to a correct feature), modification c odification) ns of the abo	tion in an e of feature)			2	of the fo (GSI (Relo (Relo (Relo (Relo (Relo (Relo	9 0//owing rele M Phase 2) ease 1996) ease 1997) ease 1998) ease 1999) ease 4) ease 5) ease 6)	eases:
Reason for change: # TS 34.123-1 section 9.4.8.4 specifies											

Reason for change. a	13 34.123-1 Section 9.4.0.4 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.

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:	x

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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 :

It_Reconfigure	+ts_MM_IMSI_DetachWithIMSI(tsc_CellA, tsc_USIM_ NeedRmm)	Steps 9-9c: IMSI Detach @SIC EW T1-040305 SIC@

23	+ts_MM_Pwr0rUSIM_On(tsc_USIM_NeedRmv)	Step 12 Activation of the UE in autom atic network selection mode
----	---------------------------------------	---

After change:

It_Reconfig	ure	
18	+ts_MM_IMSI_DetachWithIMSI(tsc_CellA, tsc_USIM_ In)	Steps 9-9c: IMSI Detach @SIC EW T1-040305 SIC@

<< End of document>>

CR-Form-v7					
^ж TS 3	<mark>4.123-3</mark> CR <mark>407</mark> жrev - ^ж	Current version: 3.6.1 [#]			
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the	e pop-up text over the X symbols.			
Proposed change	affects: UICC apps# ME Radio Ac	ccess Network Core Network			
Title: #	Correction to RRC TC 8.3.2.4 on value of the wait mode.	timer started for the UE to enter Idle			
Source: ೫	Anite				
Work item code: ೫	N/A	Date:			
Category: ⊮	 F Use <u>one</u> 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 <u>TR 21.900</u>. 	Release: %R99Use one 2of the following releases: 22(GSM Phase 2)9)R96R97(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	2: ₩ 1. TS 34.123-1 defines that at step 2b of test time of (T305 + T307) + 10% for the UE to TTCN uses a value of 33 seconds as the of T307 given in the UTRAN MOBILITY IN	o enter Idle mode. However, the wait time for T307 wait but the value			
Summary of chang	ge: ℜ 1. Modified line #28 of tc_8_3_2_4, to increa 55000 (T307 + 10%).	se the value of t_UpperBound to			
Consequences if not approved:	* Test case may PASS in a non-complaint UE.				
Clauses affected:	ж				
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications				
Other comments:	¥				

How to create CRs using this form:

- 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 <u>ftp://ftp.3gpp.org/specs/</u> 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	It_TestBody of tc_8_3_2_4
Reason for change	 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 IRLC_AM_DATA_REQ	cas_RRC_UtranMobilityInfo(tst_CellD edicated, tst_RB2, cds_UTRAN_Mobil ityInfoTimer (tcv_RRC_Ti, tcv_CellInd Info.dl_IntegrityCheckInfo, OMIT, OMIT))		Step 0a . SS sends UTR AN MOBILITY INFORMAT ION message to allocate T305 to 5Mins
13		START L_WaitS			
14	TBF1	? TIMEOUT t_WaitS		(F)	
15	T8P1	AM ? RLC_AM_DATA_IND CANCEL1_WellS	IIDedicated, tsc_RB2, cr_108_UTRAN _MobilityInfoCnf (tcv_RRC_Ti))		Step 0b . UE sends UTR AN MOBILITY INFORMAT ION CONFIRM message
16		+ts_TransitToURA_PCH_P17_P18 (tsc_Ce IA)			Step 0c. Bring UE to URA _PCH status
17		+ts_SS_ReconfDCH_ToFACH(tsc_CellA)			Physical Channel reconfi guration in SS to Cell_FA CH @sic Jitendra CR# T1-30 1825 sic@
18		+It_SetOndevmin_AndSend			Step 1a-1b : To set Min q -rdev in SIB3 and SIB4
19		(tcv_TmpAtt := tcv_CellinfoA.attenuationLe et)	v		Remember current atten uator settings
20		START t_UpperBound (330000)			@sit Jitendra CR≢ T1-30 1825 sit@
21	TBF1a	? TIMEOUT t_UpperBound		(F)	
22	T8P1a	TM ? RLC_TR_DATA_IND CANCEL 1_U perBound	a car_URA_Update(tsc_CellA, tsc_RB0 , cr_108_URA_Update(tcv_CellInfoA.uRNTI, periodicURAUpd ate, noEmor:NULL))	(P)	Step 1c. UE sends URA UPDATE with "URA upda te cause" set to "Periodic URA update".
23		UM I 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 p ower 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 [_] pperBound	Ucar_URA_Update(tsc_CellA, tsc_RB 0, cr_108_URA_Update (tcv_Cellinf oAuRNTI, *, noError:NULL))	(F)	UE should not Initiate Ur a update
27	TBP2	?TIMEOUT t_UpperBound		(P)	
28		START t_UpperBound (tsc_T307_Ma	c]		
29	TBF3		car_URA_Update(tsc_CellA, tsc_RB 0, cr_108_URA_Update (tsv_Cellinf oA.uRNTL, *, noError:NULL))	(F)	UE should not Initiate Ur a update
30	TBP3	?TIMEOUT t_UpperBound		(P)	UE should move to idle s tate after expiry of T307
31		(tov_CellinfoA.cellConfig = cell_FAC H_NoConn)			

After:

It_TestBody			•		
12		AM IRLC_AM_DATA_REQ	cas_RRC_UtranMobilityInfo(tst_CellD edicated, tst_RB2, cds_UTRAN_Mobil th/infoTimer (tcv_RRC_Ti, tcv_CellInd Info.dl_integrityCheckInfo, OMIT, OMIT))		Step 0a . SS sends UTR AN MOBILITY INFORMAT ION message to allocate T305 to 5Mins
13		START L WaitS			
14	TBF1	? TIMEOUT t_WaitS		(F)	
15	T8P1	AM ? RLC_AM_DATA_IND CANCEL 1_WellS	car_RRC_UtranMobilityInfoCnf(tsc_Ce IDedicated, tsc_RB2, cr_108_UTRAN _MobilityInfoCnf(tcv_RRC_Ti))		Step 0b . UE sends UTR AN MOBILITY INFORMAT ION CONFIRM message
16		+ts_TransitToURA_PCH_P17_P18 (tsc_Ce IA)			Step 0c. Bring UE to URA _PCH status
17		+ts_SS_ReconfDCH_ToFACH(tsc_CellA)			Physical Channel reconfi guration in SS to Cell_FA CH @sic Jitendra CR# T1-30 1825 sic@
18		+it_SetOndevmin_AndSend			Step 1a-1b : To set Min q -ndev in SIB3 and SIB4
19		(icv_TmpAtt = tcv_CellinfoA.attenuationLe et)	v		Remember current atten uator settings
20		START (_UpperBound (330000)			@sic Jitendra CR≢ T1-30 1825 sic@
21	TBF1a	? TIMEOUT t_UpperBound		(F)	
22	T8P1a	TM ? RLC_TR_DATA_IND CANCEL t_U perBound	a car_URA_Update(tsc_CellA, tsc_RB0 , cr_108_URA_Update(tcv_CellInfoA.uRNTI, periodicURAUpd ate, noError:NULL))	(P)	Step 1c. UE sends URA UPDATE with "URA upda te cause" set to "Periodic URA update".
23		UMIRLC_UM_DATA_REQ	cas_URA_UpdateCnf(tsc_CellA, tsc_ R80, cs_108_URA_UpdateCnfCCCH (tcv_CellIndinfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_CellInfoA.uRNTI, OMIT, Uma_PCH, OMIT))		Step 1d @sic Jitendra T1-040302 sic@
24		+ts_SebAttenuationLevel (tsc_CellA, 20)			Step 2. SS configures its downlink transmission p ower 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 [] pperBound	<pre>Jcar_URA_Update(tsc_CellA, tsc_RB 0, cr_108_URA_Update (tcv_Cellinf oAuRNTI, *, noError:NULL))</pre>	(F)	UE should not Initiate Ur a update
27	TBP2	?TIMEOUT t_UpperBound		(P)	
28		START (_UpperBound (55000)			Just wait T307 (50 Sec + 10% tolerances)
29	TBF3	TM ? RLC_TR_DATA_IND CANCEL t	<pre>car_URA_Update(tsc_CellA, tsc_RB 0, cr_108_URA_Update (tcv_Cellinf oAuRNTL *, noError:NULL))</pre>	(F)	UE should not initiate Ur a update
30	TBP3	?TIMEOUT t_UpperBound		(P)	UE should move to idle s tate after expiry of T307
31		(tcv_CellinfoA.cellConfig = cell_FAC H_NoConn.)			

CR-Form-v7 CHANGE REQUEST													
ж	TS 3	<mark>84.1</mark>	<mark>23-3</mark>	CR	408	жre	v	- 9	ff (Current vers	ion:	3.6.1	ж
For <u>H</u>	ELP on u	ising	this for	m, see	bottom of	this page	or loc	ok at	the	pop-up text	over tl	ne 🛱 sym	ibols.
Propose	Proposed change affects: UICC apps # ME X Radio Access Network Core Network												
Title:	æ				C Package to FACH.	2 TC 8.2	.1.9 to	o har	ndle	cell update	before	configurii	ng radio
Source:	H	Anit	е										
Work ite	m code: ∺	N/A								Date: ೫	09/0	7/2004	
	for change	Deta be fo	F (con A (cor B (add C (fun D (edi iled exp ound in 1. A U ha U 4. A 4. A 4. A 4. A 4. A 4. A 4. A 4.	rection) respond dition of ctional in torial m blanatio 3GPP 1 fter set onfigure E. Mea as to b pdate f new te efined t ith no (SetU	e state from anwhile the be handled irst and the est step ts o receive (C-RNTI. of It_Local ⁻	io Bearer m DCH to bove catego io Bearer io	Setup FAC FAC s to F mmec ure the AB_PS te afte odified	an D me H an ACH diatel e loc: S_D0 S_D0 S_D0 I to ir H_Ti	ease) essag d tho l sta ly. T al en CH	Release: # Use <u>one</u> of 2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6 ge with no en waits for te and send the SS should from DCH ToFACH_T g Radio Bea e test step Poll_8219.	the follo (GSM) (Relea (Relea (Relea (Relea (Relea (Relea (Relea (Relea C-RNT a Cell ds a Cell d	Phase 2) se 1996) se 1997) se 1998) se 1999) se 4) se 5) se 6) I, the SS Update 1 ell Update it to rece CH.	tries to from the e, which eive Cell is
Consequ not appr		ж	Test	case m	ay fail a co	omplaint l	JE.						
Clauses	affected:	ж	N.A.										
Other sp affected:		X	YN X X X	Test	core spec specificatio Specificati	ons	₽	€					
Other co	mments:	ж											

How to create CRs using this form:

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

			Tes	t Step				
Test Step Id:	t	p_CellId : If p_SetUp : [3_PS_DCH_ToFACH_TimerPoll_81: NTEGER; DL_DCCH_Message; II:TimerPoll)	29 (
Test Step Group Ref:		RRC_General/						
Objective:		To setup a Radio Bearer from cell_DCH to FACH for PS 64k.						
Defaults:		RRC_Deft						
Comments:		@sic 0G 07/	01/04 T1-031842 sic@					
Nr		Label	Behaviour Description	Constraint Ref	Verdict	Comments		
1			AMIRLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, p_SetUp)				
2			+ts_RRC_ReceiveCellUpdateNon Periodic (tsc_CellA, cbr_108_Cell Update (tcv_CellInfoA uRNT), cellReselection), 15000)					
3			+ts_SS_2_FACH_1_RACH_Modif y (p_Cellid , c_TrLogMappingRACH _DTCH, c_TrLogMappingPCH_FA CH_PS)					
4			+ts_SS_RB20_AM_PS_CfgTimer Poll (320, p_TimerPoll)					

Change 2:

Local Tree and Test step	Local tree It_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	 Line #1 of It_LocalTest is modified to invoke test step ts_SetUpRAB_PS_DCH_ToFACH_TimerPoll_8219. Line #2 of It_LocalTest is removed. 				
Source of change	New change				

TTCN before change:

It_LocalTo				
10	TBS	(ttv_TestBody:=TRUE)		
11		+ts_SetUpRA8_PS_DCH_ToFAC H_TimerPoll (tsc_CellA, cbs_108_R8_SetUpDCH_ToFAC H (tcv_CellIndinfo.dl_IntegrityChe ckinfo, tcv_RRC_Ti, tcv_CellInfoA.fr equencyInfo, tcv_RA8_Id, tcv_CellI nfoA.prlScrmCode, OMIT), tcv_TimerPoll_)	Step 3 @sic 0 31842 :	3 07/01/04 T1-0 iic@
12	\langle	+ts_RRC_ReceiveCellUpdateNo nPeriodic (tsc_CellA, cbr_108_C ellUpdate (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.u RNTI, tsc_New_CRNTI)		
15		(1sc_CellDe 1sc_R81, cbs_108_C CCH (ellUpdateCnfD dInfo.dl_Integrit TI, CRNTI, 4,	

TTCN after change:

.

It_LocalT	est			
10	TBS	(tcv_TestBody:=TRUE)		
11		+ts_SetUpRAB_PS_DCH_ToFAC H_TimerPoll_8129 (tsc_CellA, cbs_108_RB_SetUpDCH_ToFAC H (tcv_CellIndinfo.dl_IntegrityChe ckInfo, tcv_RRC_Ti, tcv_CellInfoA.fr equencyInfo, tcv_RAB_Id, tcv_Cel InfoA.prlScrmCode, OMIT), tcv_TimerPoll)		Step 3 & 4 @sit: OG 07/01/04 T1-0 31842 sit:@
12		(tov_CellInfoA.cellConfig ≔ cell_F ACH_PS)		
13		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uR NTI, tsc_New_CRNTI)		
14		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfD CCH (tcv_CellIndInfo.dl_Integrit yCheckInfo, tcv_RRC_TI, OMIT, tsc_New_CRNTI, cell_FACH, OMIT, OMIT, OMIT))	Step 5

CHANGE REQUEST									
^೫ TS 3	<mark>4.123-3</mark> CR <mark>409</mark>	¥rev - ^ع	Current version: 3.6.1	Ħ					
For <u>HELP</u> on u	ing this form, see bottom of	f this page or look at th	he pop-up text over the X symb	bols.					
Proposed change	Proposed change affects: UICC apps ME X Radio Access Network Core Network								
<i>Title:</i> भ	Correction to RRC TC 8.2.6 CELL_PCH/URA_PCH	6.19 and 8.2.6.20 to ad	d delay before switching to						
Source: ೫	Anite								
Work item code: Ж	N/A		Date:						
	suspended and hence entities to be RESET.	rection in an earlier releas n of feature) bove categories can to CELL_PCH/URA_I no status PDUs are se Therefore a delay is a gurationRequest to allo	R97(Release 1997)R98(Release 1998)R99(Release 1999)Rel-4(Release 4)Rel-5(Release 5)Rel-6(Release 6)	re					
Summary of chang	e: # A delay of 500 ms is a PhysicalChannelConfi		he						
Consequences if not approved:	# Test case 8_2_6_19 a	and 8_2_6_20 will fail s	ometimes.						
Clauses affected:	ж								
Other specs affected:	YNXOther core specificationXTest specificationXO&M Specification	ons							
Other comments:	ж <mark>аналарының аларылар</mark> ы								

How to create CRs using this form:

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downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> 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	 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	 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_D CH)			Initial Test Case Variables
4		+pr_GotoState6_9_Or6_10_MO (t st_CellA)			Init and Step 1 Goto State 5-10
5	TBS	(tcv_TestBody:=TRUE)			
6		+It_LocalTest			
7		+ ts_C4_CheckCeIPCH (tsc_C eIA)			Step 4
8	TBE	(trv_TestBody:=FALSE)			
9		+po_ConnectionAndSS_Rel(tsc CellA)			
10	ERR1	[px_RAT=tdd]		1	TDD specific behaviour
11	ERR2	[TRUE]		1	
It_LocalTest					
12		AMIRLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfDCH_To PCH (tcv_CellIndinfo.dl_Integrit yCheckInfo, tcv_CellInfoA.frequencyInf 0, tcv_CellInfoA.priScrmCod e, OMIT))		step 1
13	T8P1	 ts_RRC_ReceivePhyChReconform pl(tsc_CellA, tcv_CellInfoA.cellConf ig) 			step 2
14		(tov_CellinfoA.dRX_CycleLength.uT RAN_DRX_CycleLength := 3)			
15		+ts_SS_ReconfDCH_ToFACH (tso CellA)			SS reconfigure the Physi cal Channel

After Change:

Ind	Label	Behaviour Description	Constraint Ref	Verdict	Comments
0		START L_Guard			
1		(px_RAT=10d)			FDD specific behaviour
2		+ts_RRC_InitVariablesPS (cell_DCH)			Initial Test Case Variables
3		+pr_GotoState6_9_Or6_10_MO (tst_ CellA)			Init and Step 1 Goto State 6-10
4	(+ ts_RRC_Delay (500)			A delay of 500 ms is added befor e sending the PhysicalChannelR econfigurationRequest to allow a ny of the outstanding acknowledg ements to be received.
6	TBS	(Icv_TestBody:=TRUE)			
6		+It_LocalTest			
7		+ ts_C4_CheckCellPCH (tsc_Cell A)			Step 4
8	TBE	(tov_TestBody:=FALSE)			
9		*po_ConnectionAndSS_Rel(tsc_ CellA)			
1	ERR1	[px_RAT=1dd]		1	TDD specific behaviour
1	ERR2	[TRUE]		1	
It_Loca	Test				
0		AMIRLC_AM_DATA_REG	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfDCH_ToPCH (txv_CellIndinfo.dl_IntegrityCheckInfo, txv_RRC_Ti, txv_CellInfoA.trequencyInfo, txv_CellInfoA.priScrmCode, OMIT))</pre>		step 1
1	TBP1	+ts_RRC_ReceivePtyChReconfCmpl (tsc_CellA, tcv_CellInfoA, cellConfig)			step 2
2		(tcv_CellinfoA.dRX_CycleLength.uTR AN_DRX_CycleLength := 3.)			
3		+ts_SS_ReconfDCH_ToFACH (tsc_			SS reconfigure the Physical Chan

Local Tree and Test step	It_LocalTest of tc_8_2_6_20	
Reason for change	 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	 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 1_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_C eIIA)			Init and Step 1 Go to State 6-10
5	TBS	(tcv_TestBody:=TRUE)			
6		+It_LocalTest			
7		+ts_C5_CheckURA_PCH (tsc_CellA)			Step 4
8	TBE	(tcv_TestBody:=FALSE)			
9		+po_ConnectionAndSS_Rel(tsc_C ellA)			
10	ERR1	[px_RAT=tdd]		1	TDD specific behaviour
11	ERR2	[TRUE]		1	
t_Local	Test				
12		AMIRLC_AM_DATA_REQ	<pre>cas_PhyChReconf (tsc_CellDedicated, tsc_R82, cds_PhyChReconfDCH_ToURA_P CH_URA_Id_1 (tov_Cellindinfo.dl_integrityCheck info, tov_RRC_Ti, tov_CellinfoA.frequencyInfo, tov_CellinfoA.priScrmCode, OMIT))</pre>		step 1 @sic 00 16/12/03 T1-031787 sic@
13	TBP1	+ts_RRC_ReceivePhyChReconfCmpl (t sc_CellA, tzv_CellInfoA.cellConfig)			step 2
14		(tcv_CellinfaA.dRX_CycleLength.uTRAN _DRX_CycleLength >= 3)			
15		+ts_SS_ReconfDCH_ToFACH (tsc_Ce			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)	1		Initial Test Case Variables
3		+pr_GotoState6_9_Or6_10_MO (tsc Cell4)			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		+It_LocalTest			
7		+ts_C5_CheckURA_PCH(tsc_Ce			Step 4
8	TBE	(tcv_TestBody:=FALSE)			
9		+po_ConnectionAndSS_Rel (tsc _CellA)			
1	ERR1	[px_RAT=tdd]		1	TDD specific behaviour
1	ERR2	[TRUE]		1	
It_Loc	alTest				
0		AMIRLC_AM_DATA_REQ	<pre>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) }</pre>		step 1 @sic OG 16/12/03 T1-031787 sic@
1	TBP1	+ts_RRC_ReceivePhyChReconfCmp I (tsc_CellA, tcv_CellInfoA.cellConfig)			step 2
2		(tcv_CellinfoA.dRX_CycleLength.uTR AN_DRX_CycleLength = 3)			

[CR-Form-v7		
CHANGE REQUEST				
^ж TS 3	<mark>4.123-3</mark> CR <mark>410</mark> ⊯rev	✓ ⁻ [#] Current version: 3.6.1 [#]		
For <u>HELP</u> on u	sing this form, see bottom of this page o	or look at the pop-up text over the $#$ symbols.		
Proposed change a	affects: UICC apps೫ ME	X Radio Access Network Core Network		
<i>Title:</i> ⊮	Correction to Package 3 RAB test case the dI_TxPower in DL DPCH Info during	e 14.2.27, 14.2.29, 14.2.31.1and 14.2.32.1 for ng Radio Bearer Setup at the SS.		
Source: अ	Anite			
Work item code: ೫	N/A	Date:		
	SS during Radio Bearer Setup is r DL. As per 3G PP TS 25.101 Table: 8. For a data rate of 144KBPS the D	R97(Release 1997)R98(Release 1998)R99(Release 1999)ries canRel-4Rel-5(Release 4)Rel-6(Release 5)Rel-6(Release 6)		
Summary of chang	In the constraint c_DL_DPCH tsc_DL_TxPower_DPCH to 0 2. Change for Test Case 14. Created a new constraint c_D The same is used in test step ts_SS_2DCH_ModifyInteractE 3. Change for Test Case 14. Created a new constraint c_D The same is used in test step	1_128K changed the value of dl_TxPower from .2.29: DL_DPCH_144K in which dl_TxPower is set to 0. Backg_64k_144kPS at row 2. .2.31.1: DL_DPCH_256K in which dl_TxPower is set to 5.		

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:	策 Test case may fail conformant UE.
Clauses affected:	策 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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.
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- 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_OPCH_InfoPerf pCPICH_UsageF dpch_FrameOffset dl_Channelisatio sf_AndCodeNu)), tpc_Combination), powerOffsetOffFC powerOffsetOfFPC powerOffsetOfFPL(orChannelEst mayBeUsed, et 0, nCodeList { {secondaryScramblingCode tsc_DL_DPCH1_2ndScrC, imber tsc_Sfc16 Index 0 L_PO1 tsc_DPCH_PowerOffsetTFCI, _PO2 tsc_DPCH_PowerOffsetTFC, DT_PO3 tsc_DPCH_PowerOffsetPILOT, L_TxPower_DPCH_	

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_DPCH_InfoPeri pCPICH_UsageF dpch_FrameOffsi dl_Channelisatio sf_AndCodeNu)), tpc_Combination), powerOffsetOfTFC powerOffsetOfTFC	orChannelEst mayBeUsed, et 0, nCodeList { {secondaryStramblingCode tsc_DL_DPCH1_2ndStrC, mber tsc_Sfc16 Index 0 I_PO1 tsc_DPCH_PowerOffsetTFCI, _PO2 tsc_DPCH_PowerOffsetTFC,)T_PO3 tsc_DPCH_PowerOffsetPILOT,		

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 dI_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
d_DPCH_InfoPer pCPICH_UsageF dpch_FrameOffs DPCH-FrameO Actual value DP Actual value De	orChannelEst mayBeUsed, et (((tsc_DefaultDPCH_OffsetValue*512) MOD 38400) / 256), ffset = DefaultDPCH-OffsetValueFDD MOD 38400 °CH-FrameOffset = IE value * 258 faultDPCH-OffsetValueFDD = IE value * 512 nCodeList ({ secondaryScramblingCode 1, mber p_sf Index 0 LPO1 0, _PO2 0, DT_PO3 0,

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:

			Te	st Step		
Test Step Id:		p_Celli p_ActT p_DL	2DCH_ModifyInteractBackg_64k_14 Id : INTEGER; Time : ActivationTime; L_CommonInformation : DL_Comm DPCH_Info : UL_DPCH_Info			
Test Step Gro	up Ref:	RB_St	eps/RB_Configuration/			
Objective:		4 on to	gure physical channel DPCH1 and c the DCH5 transport channel and ma teractive or Background / unknown /	ap DTCH(subflow#1) to the DC		
Defaults:		RRC_I	Deft			
Comments:						
Nr	L	abel	Behaviour Description	Constraint Ref	Verdict	Comments
1			[px_RAT = fdid]			
2			CPHYICPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_Cellid, tsc_DL_DPCH 1;c_DL_DPCH_AMR_0sc _Sfc16, p_DL_Commoni nformation) .p_ActTime)		1.
3			CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Celli d, tsc_DL_DPCH1)		

After change:

			Tes	st Step		
Test Step Id:		p_Cellid p_ActTin p_DL_	DCH_ModifyInteractBackg_64k_14 : INTEGER; ne : ActivationTime; CommonInformation : DL_Commo PCH_Info : UL_DPCH_Info			
Test Step Gro	oup Ref:	RB_Step	s/RB_Configuration/			
Objective:						
Defaults:		RRC_De	ri –			
Comments:						
Nr	L	abel	Behaviour Description	Constraint Ref	Verdict	Comments
1	1		[px_RAT = fdd]			
2			CPHYICPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_Cellid, tsc_DL_DPCH 1;C_DL_DPCH_144K@sc _Sfc16, p_DL_CommonI nformation) ,p_ActTime)		1.
3			CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Celli d, 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 dI_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					
dI_DPCH_InfoPeri pCPICH_UsageF dpch_FrameOffsi DPCH-FrameO Actual value DF Actual value De	orChannelEst mayBeUsed, et (((tsc_DefaultDPCH_OffsetValue*512) MOD 38400) / 256), ffset = DefaultDPCH-OffsetValueFDD MOD 38400 CH-FrameOffset = IE value * 256 faultDPCH-OffsetValueFDD = IE value * 512 nCodeList { (secondaryScramblingCode 1, mber p_sf Index 0 L_PO1 0, PO2 0, DT_PO3 0,					

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:

				Tes	st Step		
Test St	tep Id:		ts_SS_2	DCH_ModifyInteractBackg_64k_25	6kPS_10(
			p_CellId	: INTEGER;			
			p_ActTir	ne : ActivationTime;			
			p_DL_	CommonInformation : DL_Commo	onInformation;		
			p_UL_DI	PCH_Info : UL_DPCH_Info			
)				
Test St	tep Groi	up Ref:	RB_Step	s/RB_Configuration/			
Objecti	ive:		to config	ure physical channel DPCH1 and c	onnect DCH1 and DCH5 to	the physical chan	inel, then map Di
			4 on to th	ie DCH5 transport channel and ma	ip DTCH(subflow#1) to the I	DCH1 transport ch	nannel 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							
	15.		RRC_DE	et1			
Comm			KKU_DE	211			
	ients:	L	abel	Behaviour Description	Constraint Ref	Verdict	Commen
Comm	ients:	L:		1	Constraint Ref	Verdict	Commen
Comm	ients:	L		Behaviour Description	Constraint Ref	Verdict	Commen
Comm	ients:	L		Behaviour Description [px_RAT = fdd]		Verdict	
Comm	ients:	L		Behaviour Description [px_RAT = fdd]	ca_DL_DPCH_ModifyInfo	Verdict	
Comm	ients:	L		Behaviour Description [px_RAT = fdd]	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH	Verdict	
Comm	ients:	L		Behaviour Description [px_RAT = fdd]	ca_DL_DPCH_ModifyInfo (p_Cellid, tsc_DL_DPCH 1,cc_DL_DPCH_AMR_ttsc	Verdict	
Comm	ients:	Ŀ		Behaviour Description [px_RAT = fdd]	ca_DL_DPCH_ModifyInfo (p_CellId, tsc_DL_DPCH 1.cc_DL_DPCH_AMR_(tsc _Sfc8, p_DL_CommonInf	Verdict	

After change:

		Tes	st Step			
Test Step Id:	p_CellId p_ActTir p_DL_	DCH_ModifyInteractBackg_64k_25 : INTEGER; me : ActivationTime; _CommonInformation : DL_Commo PCH_Info : UL_DPCH_Info				
Test Step Group F	Ref: RB_Step	is/RB_Configuration/				
Objective:	4 on to the	to configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then ma 4 on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respe d for Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/				
Defaults:	RRC_De	eff .				
Comments:						
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments	
1		[px_RAT = fdd]				
2		CPHYICPHY_RL_Modify_REQ	ca_DL_DPCH_ModifyInfo (p_Cellid, tsc_DL_DPCH 1,c_DL_DPCH_258K (ts c_Sfc8, p_DL_Commoni 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_DPCH_infoPeri pCPICH_UsageF dpch_FrameOffsi DPCH-FrameO Actual value DF Actual value De	orChannelEst mayBeUsed, st (((tsc_DefaultDPCH_OffsetValue*512) MOD 38400) / 256), ffset = DefaultDPCH-OffsetValueFDD MOD 38400 'CH-FrameOffset = IE value * 256 faultDPCH-OffsetValueFDD = IE value * 512 nCodeList { (secondaryScramblingCode 1, imber p_sf Index 0 L_PO1 0, PO2 0, DT_PO3 0,					

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:

			Te:	st 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 Gro	oup Ref.	RB_Ste	ps/RB_Configuration/				
Objective:		to configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH 4 on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respectively. U d for Interactive or background / UL:84 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/10 ms 1					
Defaults:		RRC_D	ef1				
Comments:							
Nr	L	abel	Behaviour Description	Constraint Ref	Verdict	Comments	
1			[px_RAT = fdd]				
2			CPHYICPHY_RL_Modify_REQ	cs_DL_DPCH_ModifyInfo (p_Cellid, tsc_DL_DPCH 1,t_DL_DPCH_AMR dsc _Sfc8, p_DL_CommonInf ormation) ,p_ActTime)		1.	
3			CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Celll d, tsc_DL_DPCH1)			

After change:

Test Step										
Test Step Id:		p_Cellid p_ActTin p_DL_	DCH_ModifyInteractBackg_64k_38 INTEGER; te : ActivationTime; CommonInformation : DL_Commo PCH_Info : UL_DPCH_Info	_						
Test Step Gro	oup Ref.	RB_Step	s/RB_Configuration/							
Objective:		4 on to th	configure physical channel DPCH1 and connect DCH1 and DCH5 to the physical channel, then map DCCH1- on to the DCH5 transport channel and map DTCH(subflow#1) to the DCH1 transport channel respectively. Use for Interactive or background / UL:64 DL:384 ktps / PS RAB + UL:3.4 DL: 3.4 ktps SRBs for DCCH/10 ms TTI							
Defaults:		RRC_De	n							
Comments:										
Nr	L	abel	Behaviour Description	Constraint Ref	Verdict	Comments				
1			[px_RAT = fdd]							
2	2		CPHY!CPHY_RL_Modify_REQ	REQ ca_DL_DPCH_ModifyInfo (p_Cellid, tsc_DL_DPCH 1, c_DL_DPCH_384K tts c_Sfc8, p_DL_Commoni nformation), p_ActTime)		1.				
3			CPHY?CPHY_RL_Modify_CNF	ca_RL_ModifyCnf(p_Celli d, tsc_DL_DPCH1)						

			CHANGE	EREQ	UEST	-		CR-Form-v7
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For <u>HELP</u>	on using	this form, se	e bottom of thi	s page or	look at th	e pop-up text	over the X sy	mbols.
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Category: Reason for ch	Deta be fo	F (correctio A (correspo B (addition C (functiona D (editorial bund in 3GPF	nds to a correction of feature), al modification of modification) tions of the above	on in an ear feature) e categories while exect hile exect	s can uting the t	2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the following relification of the following relification of the following relification of the following relification of the following relification of the following relies (Release 1999) (Release 4) (Release 5) (Release 6)	ССРСН
Summary of c	hange: ₩	1. Te Pa sa ts_ 2. In "te ts_ 3. In	AB is establishe st step ts_RB_I igingCause and me is passed to RRC_ConnEst the test case bo rminatingIntera RB_InitTest_15 the test case b rminatingBackg RB_InitTest_15	nitTest_1 Establish test step as input p ody in It_Ir ctiveCall" SCCPCH. ody in It_E groundCal	SCCPCH mentCau ts_RRC_ paramete nteractive as an inp Backgroun " as an ir	is parameter ise as an inpu PagType1_P r at row 6 and at row 2, pas ut parameter	ized to take it parameter ar 2_TMSI_Cause 7 respectively sed to the test step	and
Consequence not approved:			may fail to test	conformar	nt UE.			
Clauses affect Other specs affected:	ted:	X Tes	er core specific t specifications M Specifications		ж			

Other comments:

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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_ISCCPCH								
Test Step Group Ref. RB_Steps/Initialization/								
Ob	jective:	c	To setup the environement for PS test cases					
De	faults:		RRC_Deft					
Co	mmen	its:						
	L.,		Behaviour Description			Comments		
1		*ts_SS_Cr	eateCellFACH (tsc_CellA)			Configuration has to be changed		
2		+ ts_SetTr	npCellinfo (tsc_CellA.)			Fetch record corresponding to current cell		
3		+ts_Send	DefSysInfo(tsc_CellA)					
4		+ts_Idlei	Updated (tsc_CeIIA)					
5	TBS	(tcv_Tes	(Body:=TRUE)					
6		+ts_RR tiveCall)	C_PagType1_P_TMSI_Cause (tsc_CellA, px_PTMSI_Def, terminatingInterac					
7		+ ts_RF	RC_ConnEst(tsc_CellA, est_MT, terminatingInteractiveCall)]		Steps 2-5		

After:

	Test Step										
Te	Test Step Id: (ts_RB_InifTest_1SCCPCH(p_PagCause: PagingCause; p_EstCause: EstablishmentCause)										
Tes	st Step Group Ref. RB_Steps/Initialization/										
Ob	jective:		To setup the environement for PS test cases								
De	faults:		RRC_Def1								
Co	Comments:										
	L.,		Behaviour Description Comments								
1		*ts_SS_Cr	eateCellFACH (tsc_CellA)			Configuration has to be changed					
2		+ ts_SetTr	npCellInfo (tsc_CellA.)			Fetch record corresponding to current cell					
3		+ts_Send	DefSysInfo(tsc_CeIIA.)								
4		+ ts_idlet	Jpdated (tsc_CeIIA)								
5	TBS	(tcv_TestBody=TRUE)									
6		+ts_RR(C_PagType1_P_TMSI_Cause (tsc_CellA, px_PTMSI_Def, p_PagCause)								
7		+ ts_RF	C_ConnEst(tsc_CellA, est_MT, p_EstCause))		Steps 2-5					

1.2 Change 2

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

Before:

it_interactive							
6	[pc_interactive]						
7	(+ts_RB_InifTest_1SCCPCH	@sic T1s040047 sic@					
8	(tov_CellinfoA.cRNTI := tsc_New_CRNTI2)						

After:

It_Inte	ractive	
6	[pc Interactive]	
7	+ts_RB_initTest_1SCCPCH(terminatinginteractiveCall,terminatinginteractiveCall)	@sic T1s040047 sic@
8	(tcv_CellinfoAcRNTI := tsc_New_CRNTI2)	

1.3 Change 3

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

Before:

It_Bat	skground	
19	[pc_Background]	
20	(+ts_RB_InifTest_1SCCPCH	@sic T1s040047 sit@
21	(tcv_CellinfoA.cRNTI := tsc_New_CRNTI2)	

After:

It_Back	ground	
20	[pc_Background]	
21	(+ts_RB_InitTest_1SCCPCH(terminatingBackgroundCall,terminatingBackgroundCall)	@sic T1s040047 sic@
22	(tov_CellinfoA.cRNTI >= tsc_New_CRNTi2)	

											CR-Form-v7
			С	HANG	E REQ	UE	ST				
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Reason for	change:		SDU's . Test s	s received. step "ts_Re	It should re ceiveFirstS	eturn a	after _RB [·]	10" does not receving on 13" does not receving on	e SDI chec	J. k for the i	
Summary o	of change	: ₩ 1.		ve the loop in line nun		a". So	rem	ove line nun	nber 5	5. Add "CA	NCEL

2.	Remove the loop "Get_Data". So remove line number 5. Add "CANCEL
	t_Dly" in line number 3.

Consequences if	ж	Test case may fail conformant UE.
not approved:		

Clauses affected:	육 None
Other specs affected:	Y N X Other core specifications % X Test specifications % X O&M Specifications %
Other comments:	¥

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- 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:

		Te	st Step					
Test Step ld:	ts_ReceiveFirstSDUs	s_ReceiveFirstSDUs_RB10 (p_data : BITSTRING)						
Test Step Group Ref.	RB_Steps/RB_Subte	stsí						
Objective:								
Defaults:	RRC_Deft							
Comments:								
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comme			
1		START t_Dly (kv_max_Timer)			for TTCN Delay Step 15a.1			
2		(fcv_Receive_RB10 := 0)						
3	Get_Data	TM ? RLC_TR_TestDataind	car_RLC_DataInd (tsc_CelDedi cated, tsc_RB10, c_TrD_Data(p_ data))		15b.1			
4		(0cv_Receive_RB10:=tcv_Receive_RB1 0=1)						
5		-> Get_Data						
6		7TIMEOUT LOIV						

After change:

		Te	st Step				
Test Step Id:	ts_ReceiveFirstSDUs	ReceiveFirstSDUs_RB10 (p_data : BITSTRING)					
Test Step Oroup Ref.	RB_Steps/RB_Subtes	tsr					
Objective:							
Defaults:	RRC_Defl						
Comments:							
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comm		
1		START 1_Dly (tzv_max_Timer)			for TTCN Delay Step 15a.1		
2		(tzv_Receive_RB10 >= 0)					
3		TM ? RLC_TR_TestDataind CANCEL 1_ Div	car_RLC_DataInd (tsc_CellDedi cated, tsc_RB10, c_TrD_Data(p_ data))		15b.1		
4		dcx_Receive_RB10:=tcx_Receive_RB1 0+1)					
5		?TIMEOUT1_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:

		Te	st Step				
Test Step ld:	ts_ReceiveFirstSDUs_R	ts_ReceiveFirstSDUs_RB13 (p_data:BITSTRING)					
Test Step Group Ref.	RB_Steps/RB_Subtests/	r					
Objective:							
Defaults:	RRC_Deft						
Comments:							
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comm		
1		START t_Dly (kv_max_Timer)			for TTCN Delay Step 15a.1		
2		(tov_Receive_RB13 := 0)					
3	Get_Data	TM ? RLC_TR_TestDataInd	car_RLC_DataInd (tsc_CellDedi cated, tsc_RB13, c_TrD_Data(p_ data))		15b.1		
4		(tcv_Receive_RB13:=tcv_Receive_RB1 3+1)					
5		-> Get_Data					
6		?TIMEOUT t_Dly					

After change:

		Te	st Step		
Test Step Id:	ts_ReceiveFirstSDUs_R	B13 (p_data : B(TSTRING)			
Test Step Group Ref.	RB_Steps/RB_Subtests/				
Objective:					
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comm
1		START t_Dty (trv_max_Timer)			for TTCN Delay Step 15a.1
2		(dcv_Receive_RB13 := 0)			
3		TM ? RLC_TR_TestDataind CANCEL1_ Div	car_RLC_Dataind (tsc_CellDedi cated, tsc_RB13, t_TrD_Data(p_ data))		15b.1
4		(trv_Receive_RB13:=trv_Receive_RB1 3+1)			
5		?TIMEOUT LDIV			

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Source:	'	೫ <mark>Anritsu L</mark>	td					
Work ite	em code:	<mark>೫ N/A</mark>				Date: ೫	09/07/04	

 <i>B</i> (addition of feature), <i>C</i> (functional modification of feature) <i>D</i> (editorial modification) 	R97 R98 R99	(Release 1997) (Release 1998) (Release 1999)	
Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u> .	Rel-4 Rel-5 Rel-6	(Release 4) (Release 5) (Release 6)	

Reason for change: ೫	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:	æ	N/A			
Other specs affected:	ж	X X	Other core specifications Test specifications O&M Specifications	ж	
Other comments:	ж				

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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 tc_8_4_1_1 required for appro-						
Source:	Anritsu Ltd.						
Agenda Item:	TTCN Issues						
Document for:	Approval						
Contact:	Dan Fox (Anritsu) Tel: +44 1582 433357	dan.fox@eu.anritsu.com					

Table Of Contents

1	Overview	. 4
_	New Tables Added	
	Tables Modifed .1 tc_8_4_1_1	

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				
<pre>measurementControl_r3 { rrc_TransactionIdentifier p_RRC_TI, measurementIdentity p_MeasurementId, measurementCommand setup : intraFrequencyMeasurement :</pre>					
{	eSpecificInfo fdd : rimaryCPICH_Info				
<pre> primaryScramblingCode p_PriScmbCode1 }, readSFN_Indicator FALSE, tx DiversityIndicator FALSE</pre>					
<pre>} }</pre>					
mode {	erenceTimeDifferenceToCell p_TCell, eSpecificInfo fdd : rimaryCPICH_Info				
	primaryScramblingCode p_PriScmbCode2				



readSFN_Indicator FALSE,
tx_DiversityIndicator FALSE
cellsForIntraFreqMeasList OMIT
<u> </u>
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 ela :
I
triggeringCondition monitoredSetCellsOnly,
reportingRange 16,
forbiddenAffectCellList OMIT,
w 0,
reportDeactivationThreshold t1,
reportingAmount ra_Infinity,
reportingInterval ri16
<u>}</u>
hysteresis 0,
timeToTrigger ttt5000,
reportingCellStatus OMIT
}
measurementReportingMode
measurementReportTransferMode acknowledgedModeRLC,
periodicalOrEventTrigger eventTrigger
First out out of the o
v390nonCriticalExtensions OMIT

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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
- 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)
- 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									
Те	Nest Case Id: tc.8.4.1.1									
Те	st Grou	p 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, a entered CELL_DCH state from idle mode. When the intra-frequency measurement reporting criteria specified in System Information Block type 11 or 12 messages h 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 Blo or 12 messages, after it has received a MEASUREMENT CONTROL message that specifies the measurement type to be "intra-frequency measurement" with the same measi 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.						messages have been ormation Block type 11				
Co	nfigura	tion:								
De	faults:		RRC_Def1							
Co	ments:									
Nr	Label		Behaviour Description	Constraint Ref	Verdict	Comments				
1		START t Guar	-							
2		[px_RAT =	fdd]			FDD specific behaviour				
3		+lt_InitVa	ariables							
4						Configure lower tester				
5 +ts_SendDef_sysInfo_MultiCellWithoutSIB12 (tsc_CellA)					Sends the default system information in CellC					
						Configure lower tester				
7		+ts_Se	endDef_sysInfo_MultiCellWithoutSIB12 (tsc_CellB)			Sends the default system information in				

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8		+ts_SS_CreateCellFACH (tsc_CellC)						Configure lower
								tester
9		+ts_SendDef_sysInfo_MultiCellWithoutSIB12 (tsc_CellC	2)					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
	ERR2	[TRUE]					I	
<u> </u>	LocalTe					F		
15	TBS	(tcv_TestBody := TRUE)						
16		<pre>+ts_SendModifiedIntI_SysInfo (tsc_CellA , c_SIBLI_ModifiedIntrafreqMeas (tcv_CellInfoA , tcv_CellInfoB, c_CellInfoDef (tsc_DummyCellC, (mx_PriscmcOde+10), tsc_URA_IdCellC, px_TCellC, tsc_SFN_OffsetC, c_FreqInfo (px_URAPCN_D_Mid - 950 , px_URAPCN_D_Mid), ((px_UL_ScramblingCode + 2000) MOD 16777216)), tcv_CellInfoD, tcv_CellInfoE, tcv_CellInfoF, tcv_CellInfoG, tcv_CellInfoH))</pre>				Step 1 in prose;		
17		+ts_ToStateMO_CS_6_9_PS_6_100r6_11 (tsc_CellA)				Step 2-4 in prose;		
18		+lt_Step5_to_6a				Local teststep to cover @sic Thomas T1-040651 si		6 and 6a;
19		AM IRLC AM DATA REQ	cas_MeasurementControl (t	sc_CellDedicated,		Step 7 in prose;		
			<pre>tsc_RB2, cs_MeasurementCor tcv_CellIndInfo.dl_Integri tcv_RRC_Ti, 1, tsc_Offset8_4_1_1,</pre>	stroleventle (styCheckInfo,		sending Measurement cont	rol com	and
20		0772077 + M-2+M0 (C4 + 1000)	tcv_cellinioc.priscrmcode,	, tcv_CellInfoA.priScrmCode))		Tuitialian thursda times		
	TBF4	START t_WaitMS (64 * 1000) AM ?RLC_AM_DATA_IND	car_MeasurementReport (ts	a CellDedicated	(F)	Initialize thewait timer Step 8 in prose;	LO 64 5	econds
21	IDP4	AN INCAN_DAIA_IND	tsc_RB2, cr_MeasReportIntr	aFreqPeriodicAddMeasResults ((1 001	
	TBP4	? TIMEOUT t_WaitMS	*, *, *, *))		(P)	Measurement report recie	ved Ther	1 FAIL
22	1BP4	<pre>/ tev CellInfoC.attenuationLevel :=</pre>			(P)	Stop 0 in proce		
23		<pre>(tev_cellinfoC.attenuationLevel →* tev_cellinfoC.powerpCPICH + 60 - / tev_CellInfoB.attenuationLevel →* tev_CellInfoB.powerpCPICH + 60 - /</pre>				Step 9 in prose; Initialise parameters su Tl can be configured.	ich that	power levels at time
24		<pre>(tov_CellInfoC.attenuationLevel := tov_CellInfoC.powerpCPICH + 64 tov_CellInfoB.attenuationLevel := tov_CellInfoB.powerpCPICH + 64)</pre>				<pre>Step 9 in prose: Initialise parameters such that power levels at time II can be configured. (tev_CellInfoC_attenuationLevel := tev_CellInfoC_powerpCPICH + 60 , tev_CellInfoB_powerpCPICH + 60)</pre>		
25		+ts_SetAttenuationLevel (tsc_CellC, tcv_CellInfoC.attenuationLevel)				Changing the power level at time T1	of cell	. C as given in Table
26		+ts_SetAttenuationLevel (tsc_CellB, tcv_CellInfoB.attenuationLevel)				Changing the power level at time T1	of cell	. B as given in Table
27		+lt_ReceiveMeasurementReportCell_ele				Step 10 in prose; Measur	ement re	mort recieved once
28		AM IRLC_AM_DATA_REQ	cas_MeasurementControl (t tsc_RB2, cs_MeasurementCon tcv_CellIndInfo.dl_Integri tcv_RRC_Ti, 1, tcv_CellInfoB.priScrmCode	ntrolModifyIntraFreq (ityCheckInfo,		Step 10a in prose; sending Measurement cont		
29	TBP7	+lt_ReceiveMeasurReport3Cell_EleCellB				Step 10b in prose;		
30		<pre></pre>				Step 11 in prose; Initialise parameters su T 2 can be configured.	ich that	power levels at time
31		<pre>(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 80, tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH + 64)</pre>				Step 11 in prose; Initialise parameters su T2 can be configured. (tcv_CellInfoB.attenuat tcv_CellInfoB.powerpCPIC	ionLevel	. :=
32		+ts_SetAttenuationLevel (tsc_CellB, tcv_CellInfoB.attenuationLevel)				Changing the power level at time T1	of cell	B as given in Table
33		<u>+ts_SetAttenuationLevel (tsc_CellC,</u> <u>tcv_CellInfoC.attenuationLevel)</u>						
34		-AM IRLC_AM_DATA_REQ	<pre>cas_MeasurementControl (t tsc_RB2, cs_MeasurementControlEvent tcv_CellIndInfo.dl_Integri tcv_RRC_Ti, 1, tsc_Offset8_4_1_1, tsc_CellInfoA.priScrmCode, tcv_CellInfoB.priScrmCode</pre>	t rolFventla :la_8411 (tyCheckInfo, /256 : 0,		Step 12 in prose; sending Measurement cont command <u>cas_MeasurementC</u> tcv_RR2_cs_MeasurementC tcv_RRC_Ti, 1, tsc_Offset8_4_1, tcv_Ce tcv_CellInfoB.priScrmCod	ntrol (ControlEx prityCheck Check	rentla_8411 (kInfo,
35		<pre>(tcv_CellInfoD.attenuationLevel += tcv_CellInfoD.powerpCPICH + 60 -, tcv_CellInfoC.attenuationLevel += tcv_CellInfoC.powerpCPICH + 60;</pre>				Step 13 in prose; Initialise parameters su T1 can be configured.	ich that	power levels at time
36		<pre>(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerpCPICH + 64 , tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpCPICH</pre>				Step 13 in prose; Initialise parameters su T1 can be configured.	ich that	power levels at time

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		<u>+ 64)</u>				(tcv_CellInfoB.attenuat tcv_CellInfoB.powerpCPI0 tcv_CellInfoC.attenuatio tcv_CellInfoC.powerpCPI0	M + 60 , mLevel :	
37						Changing the power level at time T1	of cell	. B as given in Table
38		-+ts_SetAttenuationLevel (tsc_CellC, tcv_CellInfoC.attenuationLevel)				Changing the power level at time T1	of cell	. C as given in Table
39								
40		_START t_WaitMS (5 * 1000 - tcv_Tolerance)				Initialize the wait time @sic Thomas T1s040279 si		econds ;
41		-? TIMEOUT t_WaitMS						
42		-(tcv_Tolerance := (16 * 1000) / 10)						
43		-START t_WaitMS (16 * 1000 + tcv_Tolerance)				Initialize the wait time	er to 16	seconds
44	TBF5	-? TIMEOUT t_WaitMS			(F)	Timer expires the test of	ase fail	S
45	TBP8	-AM ?RLC_AM_DATA_IND	<pre>car_MeasurementReport (ts tsc_RB2, cr_MeasReportIntr 1,ela , tcv_CellInfoB.priS</pre>	aFreqEventNoMeasuredResults ((P)	Step 14 in prose;		
46		-+ts_C3_CheckCellDCH (tsc_CellA)				Step 15 in prose;		
47		-(tcv_TestBody := FALSE)			(P)			
<u> </u>	nitVar	riables						
48 49		+ts_RRC_InitVariables (cell_DCH) (tcv_CellInfoA := c_CellInfoDiff (
		<pre>tsc_cellA, px_PriscrmCode, tsc_URA_IdCellA, tsc_CRNTI , px_TCellA, tsc_SFN_OffsetA, tcv_ px_UL_ScramblingCode))</pre>	FreqInfoMid,					
50		<pre>(tcv_CellInfoB := c_CellInfoDiff (tsc_CellB, ((px_PriScmCode + 50) MOD 512) , tsc_URA_IdCellB, tsc_CRNII , px_TCellB, tsc_SFN_OffsetB, tcv_ (px_UI_ScramblingCode +1000) MOD 16777216)))</pre>	FreqInfoMid, (
51		<pre>(tcv_CellInfoC := c_CellInfoDiff (tsc_CellC, ((px_PriScrmCode + 100) MOD 512), tsc_URA_IdCellC, tsc_CRNTI , px_TCellC, tsc_SFN_OffsetC, tcv_ (px_UL_ScramblingCode +2000) MD 16777216)))</pre>	FreqInfoMid, (
52		(tcv_CellInfoC.attenuationLevel := tcv_CellInfoC.powerpC	PICH + 80)					
53		(tcv_CellInfoB.attenuationLevel := tcv_CellInfoB.powerp	CPICH + 70)					
54		(tcv_CellInfoA.attenuationLevel := tcv_CellInfoA.power	pCPICH + 60)					
	Step5_t							
55 56		(tcv_Tolerance := (64 * 1000) / 10)						Initialize the wait
50		START t_WaitMS (64 * 1000 + tcv_Tolerance)						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
	Step6_6							
65	TBF1	? TIMEOUT t_WaitMS					(F)	Timer expires the test case fails
66		AM ?RLC_AM_DATA_IND (tov_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message. uL_DCCH_Message.message.measurementReport_measuredResults.int [0].modeSpecificInfo.fdd.cpich_RSCP)	raFreqMeasuredResultsList.	car_MeasurementReport (tsc_Cel: tsc_RB2, cr_MeasReportIntraFreq OMIT, tcv_CellInfoB.priScrmCode	Period	icAddMeasResults (1,	(P)	Step 6 or 6a in prose
67		AM ?RLC_M_DATA_IND (tov_Checkcpich_RSCP := RLC_AM_DATA_IND.aM_message. uL_DCCH_Message.message.measurementReport_measuredResults.int [1].modeSpecificInfo.fdd.cpich_RSCP)	<pre>car_MeasurementReport (tsc_CellDedicated , tsc_RB2, cr_MeasReportIntraFreqPeriodicAddMeasResultsTwoCells . (1, OMIT, OMIT, tcv_CellInfoA.priSermCode, tcv_CellInfoB.priSermCode, OMIT))</pre>				Step 6 or 6a in prose; @sic Thomas T1-040651 sic@	
lt_0	heckCF	PICH_RSCP					_	
68	TBP3	[((tcv_Checkcpich_RSCP - tsc_Cpich_RSCP_70dBm) >= tsc_cpich (tsc_Cpich_RSCP_70dBm - tcv_Checkcpich_RSCP) <= tsc_cpich_RSC					(P)	
69	TBF3	<pre>(tsc_cpicn_kscp_//dbm - tcv_cneckepicn_kscp) <= tsc_cpicn_ksc [TRUE]</pre>		<u> </u>			(F)	
		PeasurementReportCell_ele		·			1	
		AM ?RLC_AM_DATA_IND		car_MeasurementReport (tsc_Cel tsc_RB2, cr_MeasReportIntraFreq tcv_CellInfoA.priScrmCode, OMIT tcv_CellInfoC.priScrmCode, c_Ce OMIT, tcv_CellInfoC.priScrmCode	Eventl , ?, 0 llSync	e (1, OMIT, MIT,	(P)	Cell A, C order
71	TBP6	AM ?RLC_AM_DATA_IND		car_MeasurementReport (tsc_Cel tsc_RB2, cr_MeasReportIntraFreq tcv_CellInfoC.priScrmCode, c_Ce OMIT, OMIT, tcv_CellInfoA.priSc tur cllTafe uniS um ede))	Event1 11Sync	e (1, OMIT, hronisationInformation,	(P)	Cell C, A order

lt_ReceiveMeasurReport3Cell_EleCellB								
72	AM ?RLC_AM_DATA_IND	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1, tcv_CellInfoA.priScrmCode, OMTR, ?, tcv_CellInfoB.priScrmCode, c_CellSynchronisationInformation, OMTT, tcv_CellInfoC.priScrmCode,c_CellSynchronisationInformation, OMTT,ele,tcv_CellInfoB.priScrmCode))</pre>	(P)	Step 10b in prose; A,B,C order @sic Thomas ER1389 sic@				
73	AM ?RLC_AM_DATA_IND	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqBvent_ThreeCells_SyncInfo (1, tcv_CellInfoA.prisCrmCode, OMIT, ?, tcv_CellInfoB.prisCrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoB.prisCrmCode,c_CellSynchronisationInformation, OMIT,ele,tcv_CellInfoB.prisCrmCode))</pre>	(P)	Step 10b in prose; A,C,B order @sic Thomas ER1389 sic@				
74	AM ?RLC_AM_DATA_IND	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent InreeCells_SyncInfo (1, tcv_CellInfoB.prisCurnCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoB.prisCurnCode, OMIT, 7, tcv_CellInfoC.prisCurnCode, c_CellSynchronisationInformation, OMIT,ele,tcv_CellInfoB.prisCurnCode))</pre>	(P)	Step 10b in prose; B,A,C order @sic Thomas ER1389 sic@				
75	AM ?RLC_AM_DATA_IND	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1, tcv_CellInfoB.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoC.priScrmCode,c_CellSynchronisationInformation, OMIT, tcv_CellInfoB.priScrmCode, OMIT, ?, ele,tcv_CellInfoB.priScrmCode))</pre>	(P)	Step 10b in prose; B,C,A order @sic Thomas ER1389 sic@				
76	AM ?RLC_AM_DATA_IND	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1,tcv_CellInfoC.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoA.priScrmCode, OMIT, ?, tcv_CellInfoB.priScrmCode, OMIT, ele,tcv_CellInfoB.priScrmCode))</pre>	(P)	Step 10b in prose; C,A,B order @sic Thomas ER1389 sic@				
77	AM ?RLC_AM_DATA_IND	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cr_MeasReportIntraFreqEvent_ThreeCells_SyncInfo (1, tcv_CellInfoC.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoB.priScrmCode, c_CellSynchronisationInformation, OMIT, tcv_CellInfoB.priScrmCode, OMIT, ?, ele,tcv_CellInfoB.priScrmCode))</pre>	(P)	Step 10b in prose; C,B,A order @sic Thomas ER1389 sic@				
Detailed Comment:								

	CHANGE REQUEST								
æ	TS 34.1	<mark>23-3</mark> CR	413	жrev	- ¥	Current vers	sion:	3.6.1	ж
For <mark>HE</mark>	LP on using	this form, see	bottom of th	is page or	look at i	he pop-up text	t over t	he	nbols.
Proposed of	change affeo	ts: UICC a	pps#	ME	Radio	Access Netwo	rk	Core Ne	etwork
Title:	ж <mark>Cor</mark>	rection to GM	V Package 2	approved	TC 12.6	6.1.2 in handlin	ng Atta	ch proce	dure.
Source:	ដ <mark> Anit</mark>	e							
Work item	code:					Date: ೫	<mark>19-</mark> J	lul-04	
Category:	Deta	one of the follo F (correction) A (correspond B (addition of C (functional in D (editorial me ailed explanation bund in 3GPP 1	ls to a correction feature), modification of putification) ms of the above	on in an ear feature)		Release: # Use <u>one</u> of 2 se) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the foll (GSM) (Relea (Relea (Relea	lowing rele Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5)	eases:
Reason for	rchange: ₩	procedure - 1. In test ster connection p 2. In local tree ts_AT_Trigger case. 3. In It_Steps	p ts_GMM_A rocedure with e It_Attach_I erGMM_Attac s_18To20 loc andling t_Wa	AttachReje n cause 're n_New_Co ch needs to al tree, line	ct for au egistratio onnectio o be cal e#72 for	he following is to attached Mo on' is not handl on, the test step led only in Nor handling ATT. e not in the sar	odeC L ed. o auto a	JE case, attached REQUES	RRC UE F and
Summary o	of change:	 In ts_GMN connection to message. In local tree to be called co 3. To handle 	//_AttachReje est step need //_Attach_In_ nditionally bas ATTACH RE	ect, local tro ls to be cal New_Conni sed on pc_A QUEST ar	ee It_GI lled befo ection, te sutomation nd t_Wa	Is following cor <i>MMOnly_Trigge</i> ore handing AT est step <i>ts_AT_T</i> cattachSwitchON itS timer expiry to be decrease	erAttac TACH <i>riggerG</i> N. y corre	ch RRC REQUE CMM_Attai	
Consequer not approv		Test case wi	Il fail conform	ant UE.					
Clauses af	fected: ೫	TS 34.123-3	NAS ATS Te	est case to	_12_6_1	1_2			

Other specs affected:	Ħ	Χ	Other core specifications # Test specifications O&M Specifications	-	TS 34.123-3 NAS ATS
Other comments:	ж				

How to create CRs using this form:

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- 1) Fill out the above form. The symbols above marked **#** contain pop-up help information about the field that they are closest to.
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 - 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 It_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 attem pt PS attach
68	Dc ? RRC_Dataind (tcv_TmpAttachRegPDU := RRC_Dataind.msg, tcv_TmpB3:= tcv_TmpAttachRegPDU.attachType.type, tcv_Start := RRC_Dataind.start)	car_PS_InitDirectTransfer (tsc_CellDedi cated, tsc_RB3, cr_AttachReq (c_AttachTypeAny, c_MobileIdAny_N, c_R AI_Any_v, 7))	ATTACH REQUEST - Extract Attach type requeste d

After change:

67	[TRUE]		UE shall automatically atte mpt PS attach
68	+ts_RRC_ConnEst(p_Cellid, est_Reg, registration)		
69	Dc ? RRC_Dataind (tov_TmpAttachReqPDU := RRC_Dataind.msg, tov_TmpB3 = tov_TmpAttachReqPDU.attachType.type tov_Start := RRC_Dataind.start)	car_PS_InitDirectTransfer (tsc_CellDe dicated, tsc_RB3, cr_AttachReq (c_AttachTypeAny, c_MobileIdAny_lv, c_ RAI_Any_v, ?))	ATTACH REQUEST - Extract Attach type reques ted

Change 2.

Test step name	It_Attach_In_New_Connection
Reason for change	In local tree <i>It_Attach_In_New_Connection</i> , the teststep <i>ts_AT_TriggerGMM_Attach</i> needs to be called only in Non auto attached UE case.
Summary of change	In local tree <i>It_Attach_In_New_Connection</i> , test step <i>ts_AT_TriggerGMM_Attach</i> 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 car_PS_InitDirectTransfer(tsc_CellDedi (txv_Start > RRC_DataInd.start) cated, tsc_R83, cr_AttachReg (Step 20. ATTACH REQUEST
	c_GMM_AttachTypePS_Only, c_MobileIdIMSI_fv,	- Attach type is PS attach'
	?, trv_PS_KeySeq)	- 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	D⊭ ? RRC_Dataind (tov_Start:= RRC_Dataind.start)	car_PS_InitDirectTransfer(tsc_CellDe dicated, tsc_RB3, cr_AttachReq (c_GMIM_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_R83, cr_AttachReg (c_GMM_AttachTypePS_Only, c_MobileIdIMSI_lv, ?, tcv_PS_KeySeg))	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 It_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>>

CHANGE REQUEST				
^ж TS 3	<mark>4.123-3</mark> CR <mark>414</mark>	Current version: 3.6.1 ^ℋ		
For <u>HELP</u> on us	sing this form, see bottom of this page or look at the	pop-up text over the X symbols.		
Proposed change a	affects: UICC apps# ME Radio Acc	cess Network Core Network		
Title: ¥	Delay to ensure the proper transmission of Cell Upd	ate Confirm in 8.3.4.2.		
Source: ೫	Anite Telecoms			
Work item code: %	N/A	Date:		
Reason for change	 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. # In It_CellUpdate of testcase 8.3.4.2, Cell Updatt followed by reconfiguration of RB1 (ts_CMAC_L lead to the loss of the message sometimes if th Cell Update Confirm has been completely trans re: # At line 5 of It_CellUpdate, a 30 ms delay is introduced by reconfiguration of the source o	New_RNTI_Reconf). This might reconfiguration begins before the mitted.		
Consequences if not approved:	# Testcase 8.3.4.2 will fail a conformant UE som	etimes.		
Clauses affected:	ж			
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications			
Other comments:	¥			

How to create CRs using this form:

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downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> 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 It_CellUpdate of testcase 8.3.4.2	
Reason for change	 In It_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	 On line 5 of It_CellUpdate, a 30 ms delay is introduced before call to ts_CMAC_New_RNTI_Reconf 	
Source of change	new change	
Before:		

Before:

31		+it_CellOpdate		
It_CellUpda	de			
38	TBP6	+ts_RRC_ReceiveCellUpdateNo nPeriodic(tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, radiolinkFailure),(tsc_MaxCamp ingTime * 1000))		Step 13. UE sends C ELL UPDATE with "C Il update cause" cell eselection "
39		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)		SS reconfigure the Ph ysical Channel
40		+ts_CMAC_New_RNTI_Reconf (TRUE,tsc_CellA, tcv_CellinfoA.uRNTI, tcv_Cellinfo A.cRNTI)		SS reconfiguration
41		UMIRLC_UM_DATA_REQ	cas_RRC_CellUpdateC nf(tsc_CellDedicated, tsc_RB1, cs_CellUpdateCnfGener icDCCH(tcv_CellIndinfo.dl_Integri tyCheckInfo, tcv_RRC_Ti , OMIT, tsc_CRNTL_1, cell_FACH, OMIT, OMIT, OMIT, OMIT, OMIT, OMIT, OMIT, OMIT,	Step 14 . SS sends C ELL UPDATE CONFI M with IEs "new C-RN Tr
42		+ts CMAC New RNTI Reco		SS reconfiguration

After :

37		+It_CellUpdate		
It_CellUp	date			
36	TBP6	+ts_RRC_ReceiveCellUpdateNo nPeriodic(tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, radiolinkFailure),(tsc_MaxCamp ingTime * 1000)		Step 13. UE sends C ELL UPDATE with "Ce Il update cause" cell r eselection "
39		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)		SS reconfigure the Ph ysical Channel
40		+ts_CMAC_New_RNTI_Reconf (TRUE,tsc_CellA tcv_CellinfoA.uRNTI, tcv_Cellinfo A.cRNTI)		SS reconfiguration
41		UMIRLC_UM_DATA_REG	cas_RRC_CellUpdateC nf(tsc_CellDedicated, tsc_R01, cs_CellUpdateCnfGener icDCCH(tsc_CellIndInfo.dl_Integri tyCheckInfo, tsv_RRC_Ti , OMIT, tsc_CRNTI_1, cell_FACH, OMIT, OMIT, OMIT, OMIT, OMIT, OMIT, OMIT, OMIT,	Step 14 . BS sends C ELL UPDATE CONFIR M with IEs "new C-RN Tr
42		+ts_RRC_Delay(30)		
43		+ts_CMAC_New_RNTL_Reco nf (FALSE,tsc_CellA,		88 reconfiguration

CR-Form-v7 CHANGE REQUEST			
[≭] TS 34	<mark>.123-3</mark> CR ⁴¹⁵	Current version: 3.6.1 [#]	
For <u>HELP</u> on usir	ng this form, see bottom of this page or look at the	e pop-up text over the X symbols.	
Proposed change aff	fects: UICC apps# ME Radio Ad	ccess Network Core Network	
Title: ೫ G	uard timer setting if registration is made to a PLM	IN different from the normal one	
Source: ೫ R	ohde & Schwarz		
Work item code:	/A	Date:	
D	 F se <u>one</u> 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) etailed explanations of the above categories can e found in 3GPP <u>TR 21.900</u>. 	Release: #R99Use oneof the following releases:2(GSM Phase 2)2(Release 1996)R96(Release 1997)R98(Release 1997)R98(Release 1998)R99(Release 1999)Rel-4(Release 4)Rel-5(Release 5)Rel-6(Release 6)	
Reason for change:	器 Correction to GCE package 2 NAS test cases	9489424TestPurpose 1	
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. 			
Summary of change:	XThis document lists changes of the guard time 9.4.2.4 TestPurpose 1, 12.2.1.3.See detailed change description for further inf		
Consequences if not approved:	# Conformant UEs may fail these test cases.		
Clauses affected:	ж <mark>N/A</mark>		
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications		
Other comments:	ж		

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- 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:	t_9_4_2_4_1			
Test Group Reference:	MML ocation Up dating/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:	NA8_OtherwiseFail			
Comments:	amments: 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. @BIC_NAPP EW T1-031763 SIC@			
Nr La. Dehaviour Description Constraint Ref V. Comments				
I BTART LOwen(720)				

After change 1:

	Test Case			
Test Case Id:	tc_9_4_2_4_1			
Test Group Reference:	WML ocation Up dating 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:	NA8_OtherwiseFail			
Comments: This testoase 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. Dehaviour Description Constraint Ref V. Comments				
I START L_GUSI K20*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		
Fest Case ld:	tr. 9.4.8		
Test Group Reference:	MWLocationUpdatingLocation_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 PLM	N list after UE switch on.
Configuration:			
Defaults:	NAS_OtherwiseFail		
Comments:	NAS_OtherwiseFail Initial Conditions of UE: - The UE is methode off The UE is mathematic mode for PLMN selection The UE is equipped with a USIM containing default values except for those listed below USIM fail Priority PLMN		
17	@SC EW TI-040043 SC@		
L	Behaviour Description	Constraint Ref .	Comments
START LOUG	START L_Guard		

After change 2:

	Test Case			
Test Case Id:	tr. 9. 4. 9			
Test Group Reference:	MWLocationUpdatingLocation_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 PLI	MN list after	UE switch on.
Configuration:				
Defaults:	NAS_OtherwiseFail			
	Behaviour Description	Constraint Ref		Comments
START LOUADOPED				

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:	10_12_2_1_3		
Test Group Reference:	GMM04tlach_procedures/PB_only_atlach/		
Purpose:	To test the behaviour of the UE if the network rejects the PS attach procedure of the UE with the cause PB services not allowed (no valid PS subscription) Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell D @sit VB T1-040044 stop		
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 geic vb T1-040044 siz@			
L.	Behaviour Description	Constraint Ref	Comments
	START LOuard (300)		

After change 3:

Sort the	selected group Test Case		
Test Case Id:	k_12_2_1_3		
Test Group Reference:	GNM/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 subscription) No Mapping of the cells from the prose to the TTCN: - Cell A -> Cell A - Cell B -> Cell D goal: VB TT-040044 size)		
Configuration:			
Defaults:	NAS_OtherwiseFail		
Commenta:			
L.	Behaviour Description Constraint Ref Comments		
1 START 1_Gua	START 1_Guardona		

CHANGE REQUEST		
^ж ТS 34.1	I23-3 CR 416	Current version: 3.6.1 [#]
For <u>HELP</u> on using	this form, see bottom of this page or look at the	e pop-up text over the X symbols.
Proposed change affect	<i>cts:</i> UICC apps ೫ ME <mark>Ⅹ</mark> Radio Ad	ccess Network Core Network
Title: % Cor	rrection to RRC Package 2 TC 8.3.1.31.	
Source: ೫ Anit	te	
Work item code: ℜ <mark>N/A</mark>	A	Date:
Deta	 a <u>one</u> of the following categories: <i>F</i> (correction) <i>A</i> (corresponds to a correction in an earlier release <i>B</i> (addition of feature), <i>C</i> (functional modification of feature) <i>D</i> (editorial modification) cailed explanations of the above categories can found in 3GPP <u>TR 21.900</u>. 	Release: %R99Use oneof the following releases:2(GSM Phase 2)e)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: ¥	 Content of the message Physical C ts_TransitToURA_PCH_P17_P18 to mov 6-13) needs to be modified to conform v 3GPP TS 34.108. IE UTRAN DRX CYCLE LENGTH Covalue will be 3. IE max AllowedUL_TX_Power has to IE New C-RNTI and Activation time sl In line #24 of TC 8.3.1.31 a timer t_M message UTRAN MOBILITY INFORM cancelled which was not started. Thus it before receiving the message UTRAN M in step 7 and to add a FAIL branch for the 	ve the UE to state URA_PCH (state with the approved CR T1-040906 on OEFFICIENT should be present and be present and value will be 33dBm. hould not be present. WaitS (used to handle the receive MATION CONFIRM in step 7) is is required to start the timer t_WaitS IOBILITY INFORMATION CONFIRM
Summary of change: ₩	 Modified the ASN.1 PDU Constraint Declar as mentioned below: Value of the IE utran_DRX_Cycl Value of the IE max AllowedUL_ IEs New_C-RNTI and Activation A timer t_WaitS is started before receivin INFORMATION CONFIRM in step 7 and a of timer t_WaitS. 	eLengthCoeff is set to 3. TX_Power is set to 33dBm. Time are set to OMIT. Ing the message UTRAN MOBILITY

Consequences if not approved:	The TTCN will not be conformant to the prose (34.123-1).	
Clauses affected:	₩ <mark>N.A.</mark>	
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications	
Other comments:	¥	

L

How to create CRs using this form:

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Change 1:

PDU Constraint Declaration	ASN.1 PDU Constraint Declaration
Reason for change	 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	 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 mc_TransactionIdentifier p_RRC_Ti, IntegrityProtectionModeInfo OMIT, cipheringModeInfo OMIT, activationTime p_ActTime, new_U_RNTI OMIT, new_C_RNTI p_CRNTI_New, mc_StateIndicator ura_PCH, utran_DRX_CycleLengthCoeff 7, cr_InformationInfo OMIT, ura_Identity OMIT, dL_CounterSynchronisationInfo OMIT, frequencyInfo OMIT, uL_ChannelRequirement OMIT,
modeSpecificInfo fdd: (dL_PDSCH_Information OMIT DL_PDSCH_Information), dL_CommonInformationOMIT, DL_CommonInformation dL_InformationPerRL_List OMIT), v3a0NonCriticalExtensions OMIT)

TTCN after change:

Constraint Value	
interaction beneficiante a la constitución	
IntegrityCheckInfo p_IntegrityInfo,	
message physicalChannelReconfiguration : r3 :(
physicalChannelReconfiguration_r3 { PhysicalChannelReconfiguration_r3_IEs	
rrc_TransactionIdentifier p_RRC_Ti,	
integrityProtectionModelinfo OMIT,	
cipheringModelinfo OMIT,	
activationTime OMIT,	
new_U_RNTI OMIT	
new_C_RNTIOMIT,	
mc_StateIndicator.ura_PCH.	
utran_DRX_CycleLengthCoeff 3	
cn_InformationInfo OMIT,	
ura_Identity OMIT,	
dl_CounterSynchronisationInfo OMIT,	
frequencyinfo OMIT,	
maxAllowedUL_TX_Powertsc_MaxAllowPwr	
ul_ChannelRequirement OMIT,	
modeSpecificInfo fdd:	
{	
dl_PDSCH_Information OMIT DL_PDSCH_Information	
1	
dl_Commoninformation OMIT, DL_CommonInformation	
dL InformationPerRL_List OMIT	
}	
v3a0NonCriticalExtensions OMIT	

Change 2:

Local Tree and Test step	Local tree It_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	UMTRLC_UM_DATA_REQ (tcv_CellinfoAuRNTI := c_U_RNT i_5, tcv_CellinfoAcRNTI := tsc_CR NTI_1)		Step 6; SS sends CEL L UPDATE CONFIRM @sic Jitendra CR# T1-3 01909 sic@
9	+ts_RRC_Delay(30)		
10	+ts_CMAC_New_RNTI_Rec onf(FALSE, tsc_CellA, tcv_Cellinfo A.uRNTI, tcv_CellinfoA.cRNTI)		SS has valid C-RNTI, SS reconfiguration to use CRNTI
11		car_RRC_UtranMobilityInf (f oCnf(tsc_CellDedicated, tsc_RB2, cr_108_UTRAN _MobilityInfoCnf(tcv_RRC _Ti))	P) Step 7 . UE sends UTR AN MOBILITY INFORMA TION CONFIRM messa ge

TTCN after change:

8		UMIRLC_UM_DATA_REQ (_CellinfoA.uRNTI := c_U_RNTI_ w_CellinfoA.cRNTI := tsc_CRNT)			Step 6; SS sends CELL UPDATE CONFIRM @sic Jitendra CR≢ T1-30 1909 sic@
9		*ts_RRC_Delay(30)			
10		+ts_CMAC_New_RNTI_Reco ALSE, tsc_CellA, txv_CellinfoA.u TI, txv_CellinfoA.cRNTI)			SS has valid C-RNTI, SS reconfiguration to use C RNTI
11		START t_WaitS			
12		? TIMEOUT 1_WaitS		(F)	
12	NC	AM ? REC_AM_DATA_IND CA EL I_WaitS	car_RRC_UtranMobilityInfo Cnf(tsc_CellDedicated, tsc _RB2, cr_108_UTRAN_Mo bilityInfoCnf (tcv_RRC_Ti))		Step 7 . UE sends UTRA N MOBILITY INFORMATIO N CONFIRM message

	CHANGE REQUEST	CR-Form-v7
^೫ TS 3	<mark>4.123-3</mark> CR <mark>417</mark>	Current version: 3.6.1 [#]
For <mark>HELP</mark> on u	sing this form, see bottom of this page or look at the	pop-up text over the X symbols.
Proposed change a	affects: UICC apps能 ME <mark>X</mark> Radio Ac	cess Network Core Network
Title: ೫	Correction to Package 2 RAB test case 14.4.3 to as	sign tcv_CN_Domain.
Source: ж	Anite	
Work item code: %	N/A	Date:
Category: ₩	 F Use <u>one</u> 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 <u>TR 21.900</u>. 	Release: %R99Use 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	E: # In the TTCN, tcv_CN_Domain is assigned base px_CN_DomainTested in the test step ts_Assigned base As this test case configures PS RAB, tcv_CN_ ps_domain independent of PIXIT px_CN_Dom	gnCN_Domain. Domain should be assigned to
Summary of chang	Te: # At row 3 of the TTCN, instead of using test step tcv_CN_Domain is assigned to ps_domain.	p ts_AssignCN_Domain,
Consequences if not approved:	# Test case may fail to test conformant UE.	
Clauses affected:	策 None	
Other specs affected:	YN%XXTest specificationsXO&M Specifications	
Other comments:	¥	

How to create CRs using this form:

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- 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 I	d:	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 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) config ation. The SCCPCH carries the PCH, the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs n CCCH/ DCCH/ BCCH. To be able to test the downlink radio bearer using the UE loopback function, the reference radio bearer configuratio 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.					NFORMATION (BCCH) configur RAB and the FACH for SRBs o nce radio bearer configuration				
Con	figuratio	Inc .							
Defa	aults:		RRC_Def1						
Con	comments:								
Nr	Lab		Behaviour Description	Behaviour Description Comments					
1		START L.G	uard(300)						
2		+ts_InitVa	tables						
3		+ts Assi	anCN Domain Sets domain for testing						
4		+it_inters	eractive @sic ER 1574 sic@						
5		+It_Back	Background						

After:

		Test Case					
Test Case	Case Id: tc_14_4_3						
Test Group	est Group Reference: CombinationsOnSCCPCH/						
Purpose: To verify establishment and data transfer of reference radio bearer configuration as specified in TS 34.108, clause .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) confi ation. The SCCPCH carries the PCH, the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRB in CCCH/ DCCH/ BCCH. To be able to test the downlink radio bearer using the UE loopback function, the reference radio bearer configurat according to TS 34.108, clause 6.10.2.4.4.1 (Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for I CH on PRACH) is used in uplink.					EM INFORMATION (BCCH) configur s PS RAB and the FACH for SRBs o eference radio bearer configuration		
Configurati	on:						
Defaults:		RRC_Def1					
Comments	c						
La		Behaviour Description				. Comments	
1	START t_Guard(300)						
2	+ts_InitVar	ariables					
3	(trv_CN_D	CN_Domain > ps_domain) Sets domain for testing					
4	+It_Intera	+it_interactive @sic ER 1574 sic@					
5	+it_Background						

		CR-Form-v7
	CHANGE REQUEST	
^ж ТS 34.1	23-3 CR 418	Current version: 3.6.1 [¥]
For <u>HELP</u> on using	this form, see bottom of this page or look at th	e pop-up text over the
Proposed change affect	ts: UICC apps# ME Radio A	Access Network Core Network
Title: # Add	ition of a delay after reception of an RRC Con	nection Release Complete Message
Source: % Roh	de & Schwarz	
Work item code: ೫ <mark>№</mark> А		Date: ೫ <mark>27/07/2004</mark>
Deta	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) alled explanations of the above categories can bund in 3GPP <u>TR 21.900</u> .	Release: %R99Use one of the following releases: 2(GSM Phase 2)e)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: ೫	Once TTCN has received an RRC Connection local configuration is reset by the System Sim mode, the reception of the RRC Connection (by the RLC of the SS. In case the local config TTCN, the RLC acknowledgement may not b As a consequence the UE continues to expect	nulator. On the other hand, in AM Complete message is acknowledged guration is changed too fast by the re transmitted successfully to the UE.
	This will make the UE request outstanding me STATUS PDUs. These will interfere with sub- Connection Setup procedure.	
Summary of change: ೫	In all appropriate test cases and test steps a TTCN from releasing the configuration too ea	
	Test cases: tc_8_1_3_5, tc_8_2_3_15, tc_8_ Test steps: ts_RRC_ConnRel, ts_RRC_Conn ts_RRC_ConnRelCau, ts_RRC_ConnRelNoN po_ConnectionAndSS_Rel_17_2_7a, po_Con ts_C2_CheckCellFACH.	nRelAfterSwitchOff, NAS, po_ConnectionAndSS_Rel,
	Note that the suggested change has been va fine tune the proposed solution. MCC160 is in timer value constant.	
Consequences if अ not approved:	Conformant UEs may fail these test cases resisteps.	sp. test cases using the affected test
Clauses affected: #	N/A	

Other specs affected:	ж	Y	Χ	Other core specifications # Test specifications O&M Specifications	
Other comments:	ж				

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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		
Tes	st Case k	d:	to_8_1_3_5			
Ter	t Group	Reference:	RRCRRC_ConnRelease/			
Pur	pase:		When the UE receives an invalid RRC CONT	NECTION RELEASE message on the downlink DCCH, it shall transmit an R	RC (CONNECTION RELEASE COMPLE
			TE message that includes the appropriate e	mar cause on the uplink DCCH.		
Car	niguratio	MC .				
Def	taults:		RRC_Defl			
Car	mments:					
١.,	Label		Behaviour Description	Constraint Ref	٧	Comments
0		START L	Suant		_	
1		DX_RAT=				FOD specific behaviour
2			_IntVariables (cell_FACH)			
3		+ts_88	CreateCellFACH (tsc_CellA)			Configure lower tester
4		+ts_Set	ndDefSysinfo (tsc_CeliA)			Sends the default system inform tion in CellA
5		-ts_idi	eUpdated (tsc_CellA)			Idle Update and bring UE to CEL L_FACH state and release the connection again
б		+ ts_0	otoState6_2_Or6_4_MO (tsc_CelW)			@ sic Joerg T1-040304 sic @
7	TBS	drv_T	estBody=TRUE)			
8		+ It_T	estBody			
9	TRE	drv_	TestBody=FALSE)			
10		+pa	ConnectionAndSS_Rels			
1	ERR1	px_RAT=	tdd]		1	TOD specific behaviour
1	ERR2	TRUE			1	
1_1	estBody					
0		AMIRLC,	AM_DATA_REQ	cas_InvelidDCCH_Msg (tsc_CalDedicated, tsc_RB2, cs_InvalidRRC_ConRel (tcx_CellIndInfe.dLintegrityCheckinfe, tsx_RRC_TI))		step 8
1	TBP1	AM?RLC	AN DATA IND	car_RRC_ConnRetOmpl(tsc_CellDedicated , tsc_RB2, cr_RRC_ConnRetOmpCauMagExtNotCompr (tsv_RRC_T())	(P)	step 9
2	9	tis RR	C_Delay (1st_DelayBeforeRRC_ConnRel)			WW#BasicM3130
3		+ ts_CR	LC_Reikeromane (ssc_CelA)			restart RLC for the next connection
4		(try_Ca	ilintoA.celiConfig = cell_FACH_NoConn)			WARREC4400
5		+ ts_C	_CheckidleMode (1st_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:

IL CO	onnectionAndSS_Rel_WithoutRS20	
0	+ ts_NA8_SignallingConnectionRelease (tsr_CellA)	
1	 It_Send_BBC_ConnectionRelease 	
2	+1s_RRC_Delay (tsc_DelayBetoreRRC_ConnRel)	WW#BasicM3130
3	+ It_SS_Rel_WithoutRB20	

Change 3: tc_8_2_3_15

Test case name tc_8	_3_1_22
---------------------	---------

Reason for changeRelease of local configuration upon reception of RRC Connection Release
Complete potentially too fast.Summary of changeDelay of 1 second added.

After change 3:

IL_TestB				
0	+ts_SetMtenuationLevel (tsc_CellA, 6)			Set Attenuation for CellA @sic Jitandra CR# T1-031797 T1-0 0315;Attunation is changed to -66d from -72dB; sis@
1 TEP	1 +ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellB, cdr_CellUpdateAny (tov_CellintaAuRNTI, cellReselection), dtsc_MaxCampingTime * 1000)			Step 1 UE sends Cell Update message cause: cellReselection
2	+ts_H0_ReconFACH_ToFACH (tsc_CellA, tsc_CellB)			Change the DCCH/DTCH mapping o CellB @sic Jitendra CR# T1-031797 sic.@
3	UNIRLC_UM_DATA_REQ	cas_RRC_ConnRefCCCH (tax_Cell0, tax_R80, cs_108_RRC_ConnRefCCCH (tox_CellinfoAuRNT), tox_RRC_TI)		Step 2 RRC CONNECTION RELEASE is sent on CCCH, as UE now doesn't have e C-RNTI
4	(tov_CellinfoB.cellConfig > cell_FACH_NoCorn)	,		@sic Jitendra CR# T1-031797 sic@
5	+ts_CRLC_RelReconfIRB (tsc_CellD)		t	@sk: 06 2204/04 ER1670 sk@ @sk: Jilendra CR# T1-031797 sk@
6	+ts_RRC_ConnEst(tsc_CelB, est_Reg, registration)		+	esic 00 22/04/04 ER1670 side Steps 4 to 6 Establish RRC connection
7	+ts_GMM_RAU_RejectNMO_I (bsc_CellB, c_RAL_v(tx_CellInfoArme,			Steps 7 - 8 @ak: OO 22/04/04 ER1670 akc@ @sk: OG 15/06/04 ER1829 skc@
8	UMIRLC_UM_DATA_REG	cas_RRC_ConnRelDCCH (tsc_CellDedicated, tsc_RB1, cs_108_RRC_ConnRelDCCH (tsv_Cellindinfs.dl_integrityCheckinto, tsv_RRC_T), OMT))		Step 9
9 TEP	4 AM ? RLC_AM_DATA_IND	car_RRC_ConnRelCmpl (tsc_CelDedicated, tsc_RB2, cbr_108_RRC_ConnRelCmpl (tsv_RRC_Ti))	an)	Step 10
10	ts_RRC_Delay(tsc_DelayBeforeRRC_ConnRel)			WARBastcM2120
11	*b HO ReconFACH TOFACHTISE Cells, be Cells.)			SS reconfiguration

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 Ht	ts_RRC_ConsRel (p_cells: INTEOER; p_RRC_RelStatus : RRC_Rel_Status)		
Test Step Group Ref.	BasicM_RRC_Steps/		
Objective: Defaults:	To bring the UE from state CELL_DCH/ CELL_FACH to idle sta RRC_Daft	de by releasing the RRC connection	
Comments:			
	Behaviour Description	Constraint Ref	 Comments
+ ts_BefTm	pCellinfo (p_Cellid)		
+ ts_RRC	Delay (tsc_DelayBeforeRRC_ConnRel)		
 It Send. 	RRC_ConnectionRelease		
+ ts_RRC + ts_RRC + ts_RRC + ts_RRC + ts_RRC + ts_RRC	Delay (tsc_DelayBatoreRRC_ConnRel)		VOA#BasicM3130
+ It_Rest	artCRLC_ForNerdConnection		
5 + ts_SS	ResetSecuthKey		

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	t Step Id.	t	ts_RRC_ConnRel_AfferSwitchOff (p_Callid: INTEGER; p_RRC_RelBtatus : RRC_Rel_Status)			
Test Step Group Ref Objective:		roup Ref	BasicM_RRC_Steps/			
			To release RRC connection to be used in cases where the UE ha	is been switched off (adapted from test ste	p ts_RRC_Cc	nnRe()
Deft	aults:		RRC_Defi			
Con	nments:					
Nr	Label		Behaviour Description	Constraint Ref	V	Comments
1		+ 1s_Set	TmpCellnfo (p_Celld)			[
2		+ ts_RP	C_Delay (tsc_DelayBeforeRRC_ConnRel)			
2			RC_Delay(tsc_DelayBeforeRRC_ConnRel) nd_RRC_ConnectionRelease			
2 3 4		• E Se				WWWBasicM3130
2 3 4 5 6		ALS R	pd_RRC_ConnectionRelease			WAREasicM3130

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:

			Te	est Step		
Tes	t Step	18:	ts_RRC_ConnReiCau (p_Celld: INTEGER; p_RRC_ReiStatus : RRC_Rei_Status; p_releaseCause : ReleaseCause }			
			BasicM_RRC_Steps/			
	ective.		To bring the UE from state CELL_DCH/ CELL_FACH to idle st	ate by releasing the RRC connection with	a specific rel	ease cause
	aults: nment	ts:	RRC_Deft			
	Le.,		Behaviour Description	Constraint Ref		Comments
		+ ts_SefTr	mpCellinfo (p_Celld)			
		+ ts_RRC	_Delay (tsc_DelasBeforeRRC_ConnRel)			
		+ It_Send	RRC ConnectionRelease			
						WAPBasicM3130
1		Ats RR	RRC ConnectionRelease			WA#BasicN2130

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:

		T	est Step			
Test Step Id:		ts_RRC_ConnRelNoNAS (p_Cellid: INTEGER; p_RRC_RelStatus : RRC_Rel_Status)				
Ter	st Step Group Ref:	BasicM_RRC_Steps/				
Obj	jective:	To bring the UE from state CELL_DCH/ CELL_FACH to idle st	tate by releasing the RRC connection. This	step does	not send any	NAS message.
Def	faults:	RRC_Def1				
Cor	mments:					
	La.	Behaviour Description	Constraint Ref			Comments
		Bettertete Beserpesti				C OTTITIVETICA
1		mpCellinfo (p_Cellid)	1			Commence
1	+ ts_SetT					Commenta
1 2 3	+ ts_SetT + ts_RRC	mpCellinfo(p_Cellid)			-]	Comments
1 2 3 4	+ ts_SetT + ts_RR0 + tt_Set	mpCellinfo (p_Cellid) C_Delay (tsc_DelayBeforeRRC_ConnRel)			WA#Bask	
1 2 3 4 5	+ ts_SetT + ts_RRC + H_Sec + ts_RR	mpCellinfo(p_Cellid) C_Delay(tsc,DelayBeforeRRC_ConnRel) d_ RRC_ConnertenRelease				

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					
Tes	rt Step	16.	po_ConnectionAndSS_Rel (p_Cellid : INTEGER)			
Tes	rt Step	Group Ret	BasicM_Postambles/			
Obj	ective		To release the existing RRC connection and release the channel	is that are configured in the SS.		
Def	huits:		RR0_Defi			
Con	mmen	rbs:				
	L		Behaviour Description	Constraint Ref		Comments
D		+ ts_SetTm	pCellnfs (p_Celld)			
1		[lev_TmpC	ellinfa.cellConfig <> cell_NotConfigured [
2		+ It Band	RR0_ConnectionReleases			
3	3 Cut ts_RRC_Delay (tsc_DelayBeforeRRC_ConnRadD) W0#BasicM3130					
4	4 +ts_SS_Rel(p_cells)					
1	[tsv_TmpCellints.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					
Fest Step Id:	po_ConnectionAndBB_Rel_14_2_7e (p_Cellid: INTEGER)					
Test Step Group Ri	et NewTestSteps/					
Objective:	To release the existing RRC connection and release the channels t	that are configured in the SS.				
Defaults:	RR0_Defi					
Comments:						
Nr Label Behaviour Description Constraint Ref V Comments						
+ ts	_SetTmpCellints (p_Cellid)					
	v_TmpCellinfo.cellConfig <= cell_NolConfigured]					
3	Gond_RRC_ConnectionRelease					
1 A	WW#BasirW3130					
5 +	ts_SS_Rel_14_2_7a (p_Celld)					
[try_TrngCwllinfo.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:	ps_ConnectionAndSS_ReMithoutIntegrity (p_Cellid : INTEGER)				
Test Step Group Ro	C BasicM_Postambles/					
Objective:	Rijective: 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_Defi					
Comments:						
6	Behaviour Description	Constraint Ref		Comments		
	mpCellinfo (p_Cellid)					
1 [tcv_Tmp	Cellinfo.cellConfig <> cel_NotConfigured]					
2 • R_Sen	d RRC ConnectonRelease					
2 • R Sen 3 • IS_RR	VA#BasicM3130					
4 + 19_88	_Rel (p_Cellid)					
d Ideas Trees	[tor_TmpCellinfo.celConfig=cel_NatConfigured] 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 Ster Test Ster Objective Defaults Commen	p Group Ref. RRCM_GenericAnnexC/ verifythat UE is in CELL_FACH Blate RRC_Defl		
L	Behaviour Description	Constraint Ref	 Comments
0	+ Is_SetTmpCellInfb (p_CellId) + ts_RRC_Delay (tsc_DelayBetoreRRC_ConnRel) UN I RLC_UM_DATA_REQ START (_VeatMS	cas_RRC_ComRelDCCH (tot_CelDedicated, tot_R81, cs_103_RRC_ConvRelDCCH (tor_Celledinf o.d_Integr#Checktrb, tor_RRC_1, OMIT))	step 1
3 TSP	AM 7 RLC_AM_DATA_IND CANCEL1_WaitMS	<pre>car_RRC_ConnRetCmpl (tsc_CettDedicated,</pre>	 step 2 WW#BasicM3130
5	H_RestartCRLC_ForNextConnection		Prine Database 20
3	? TIMEOUT L WWIMS		

	CHANGE R	CR-Form-v REQUEST					
^ж ТS	<mark>34.123-3</mark> CR ⁴¹⁹ ж।	rev - [#] Current version: 3.6.1 [#]					
For <u>HELP</u> o	For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols.						
Proposed chang	e affects: UICC apps%	ME X Radio Access Network Core Network					
Title:	General correction for test cases w reconfigured	where UE is switched off Cell(s) relased and					
Source:	# MCC 160						
Work item code	₩ <mark>N/A</mark>	Date:					
Category:	 F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above cate be found in 3GPP <u>TR 21.900</u>. 	ture) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999)					

Reason for change: अ	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: ℜ	 New test case variable tcv_UE_SwitchedOn. ts_MMI_UE_SwitchOff changed to check the UE status. If it is On, switch Off the UE, and make UE status as Off. 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

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

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- 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 It_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
Туре	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 St	ep Nam	e ts_MMI_UE_SwitchOff					
Group		BasicM_UT_Steps/					
Objecti	ive	To make the operator switc	h off the UE				
Default	t	UT_OtherwiseFail					
Comm	ents						
Descrip	ption	To make the operator switc	To make the operator switch off the UE <mark>, if it is presently ON</mark>				
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments		
Nr 1	Label	Behaviour Description [tcv_UE_SwitchedOn = TRUE]	Constraints Ref	Verdict	Comments UE is ON		
Nr 2	Label		Constraints Ref ca_MMI_CmdReq ("Please switch off the UE")	Verdict			
1	Label	[tcv_UE_SwitchedOn = TRUE]	ca_MMI_CmdReq ("Please switch off	Verdict			

		FALSE)		OFF
5		[TRUE]		UE is Already OFF
Detaile	d Com	ments		

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	Test Step Name ts_MMI_UE_SwitchOn							
Grou	p		BasicM_UT_Steps/					
Obje	ctive		To make the operator switch	on the UE				
Defa	ult		UT_OtherwiseFail					
Com	ments							
Desci	ription		To make the operator switch	on the UE <mark>, if it is</mark>	presen	tly OFF		
Nr	Label	Beh	aviour Description	Constraints Ref	Verdict	Comments		
1		[to	cv_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		TRUI	<pre>(tcv_UE_SwitchedOn := E)</pre>			UE is now ON		
5		[]	[RUE]			UE is Already ON		
Detai	iled Co	nme	nts					

CR-Form-v7										
ж <mark>г</mark>	<mark>FS 34.</mark> 1	<mark>123-3</mark> C	R 422	ж rev	_ 9	ж (Current vers	sion:	3.6.0	ж
For HELP	on usino	ı this form.	see bottom of t	his page or	look at	t the	text מטס	over	the ¥ svr	nbols.
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.										
Proposed cha	ange affe	cts: UIC	C apps ೫ <mark></mark>	ME <mark>X</mark>	Radio	o Ac	cess Networ	rk	Core Ne	etwork
Title:	<mark>೫ C</mark>	orrection to	Approved RR	C Package 2	TC 8.	3.1.	22			
Source:	<mark>೫ E</mark> r	ricsson								
Work item co	de: ೫ T	El					<i>Date:</i> ೫	02/	08/2004	
Category: Reason for cl	Det be t	 F (correct A (correst B (addition C (function D (editorinitiation ailed explanation found in 3G C At T1#23 approximation When the Cells In I ROAMIN be IMS1 not update ensure the required the transition 	following categorition) ponds to a correct on of feature), anal modification of al modification of ations of the abo PP TR 21.900. B meeting the C oved but the same e routing area u location Area) i IG NOT ALLOW attached in the ted and thus wo hat the MSC-SG to set Update S UE may use the message ROL	tion in an ear of feature) we categories R T1-04095 ne issue is a pdate proce n cell B in T /ED in the U SS but from puld use type SN associa status to U3	o for T llso va dure is C 8.3.1 E. Wh an UE e 'com tion wi UPDA	C 12 lid fo s reje 1.22 en L poi bine TED mbir	R97 R98 R99 Rel-4 Rel-5 Rel-6 2.4.2.5a (Tes or TC 8.3.1.2 ected with ca then the Up JE camp on nt of view it d RA/LA up e updated. A 0.	the fo (GSM (Rele (Rele (Rele (Rele (Rele (Rele (Rele (Rele 22, ause cell A can b date v n upd	llowing rele 1 Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5) ase 6) cedure 1) 15 (No Su Status is so again it of the consider with IMSI and the solution by the solution of the solution again IMSI and the solution again IMSI again IMSI and the solution again IMSI again IM	was litable set to U3 could still ered as attach' to MSC is
Summary of c	change: ዝ		the constraints SMM behaviour						cept any l	Jpdate
Consequence not approved		f TC will	fail a conformar	nt UE.						
Clauses affec	ted: #	€ <mark>tc_8_3_</mark>	_22							
Other specs affected:	£	X T	ther core specif est specificatior &M Specificatic	IS	Ħ					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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

Tes	t Step	Name	ts_GMM_RAU_AcceptNMO_I	(p_CellId: INTEGER; p_Old_RA	AI: <u>RAI</u>	<u>v</u>)			
Gre	oup		L3M_MM_GMM_Steps/						
Ob	jective		Accept the ROUTING AREA UPDATE REQUEST from UE. No P-TMSI, P-TMSI signature nor TMSI is allocated to UE.						
Def	ault		NAS_OtherwiseFail						
Col	nment	S	@sic ER11829 sic@						
Des	criptio	n							
Nr	Label	Beha	viour Description	Constraints Ref	Verdict	Comments			
1			<u>SetTmpCellInfo</u> (llId)			@sic ER11 sic@			
2		[<u>r</u>	pc_CS AND pc_PS]			Combined CS/PS rou area upda			
3	TSP1	(tcv	Dc ? <u>RRC_DataInd</u> 7 <u>_Start</u> := DataInd.start)	<pre>car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateTypeCombRA_LA, p_Old_RAI, tcv_PS_KeySeq))</pre>	(P)	ROUTING A UPDATING REQUEST - Update 'Combined LA/RA updating' - RAI of previous @sic ER11 sic@			
4			+ S_SecurityDownloadStart lomain, <u>tcv_Start</u>)						
5		tcv_P tcv_P	+ <u>ts_RRC_Security</u> (LlId, <u>tcv_PS_AuthCK</u> , <u>PS_AuthIK</u> , <u>AuthKcGSM</u> , FALSE, pmain)						
6			+ etTmpCellInfo (llId)						
7		RRC_I	Dc ! DataReq	<pre>ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3 (c_GMM_UpdateResultCombRA_LA, c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac),</pre>		ROUTING A UPDATING ACCEPT - type is 'Combined LA/RA updated' - <u>RAI</u> correspond			

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

After:

ts_GMM_RAU_AcceptNMO_I

Test Step Name	ts_GMM_RAU_AcceptNMO_I (p_CellId: INTEGER; p_Old_RAI: <u>RAI_v</u>)				
Group	L3M_MM_GMM_Steps/				
	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@				

Des	Description									
Nr	Label	Behavi	our Description	Constraints Ref	Verdict	Comments				
1		+ <u>ts_S</u> p_Cell	etTmpCellInfo (Id)			@sic ER11 sic@				
2		[<u>pc</u>	<u>_CS</u> AND <u>pc_PS</u>]			Combined CS/PS rou area upda				
3	TSP1	(<u>tcv_</u> <u>RRC_Da</u>	? <u>RRC_DataInd</u> <u>Start</u> := <u>taInd</u> .start)	<pre>car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateTypeCombRA_LA, p_Old_RAI, tcv_PS_KeySeq))</pre>	(P)	ROUTING A UPDATING REQUEST - Any Upd type - RAI of previous @sic ER11 sic@				
4		ts_SS_	+ SecurityDownloadStart main, <u>tcv_Start</u>)							
5		tcv_PS	+ <u>ts_RRC_Security</u> (Id, <u>tcv_PS_AuthCK</u> , <u>_AuthIK</u> , <u>thKcGSM</u> , FALSE, ain)							
6		ts_Set p_Cell	+ <u>TmpCellInfo</u> (Id)							
7		RRC_Da	Dc ! taReq	<pre>ca_PS_DataReq (tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3 (c_GMM_UpdateResultCombRA_LA, c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac), -, -,))</pre>		ROUTING A UPDATING ACCEPT - type is 'Combined LA/RA updated' - <u>RAI</u> correspon to p_Cell @sic ER11 sic@				
8		[<u>pc</u>	_PS]			PS routin area upda				
9	TSP2	(tcv_	? <u>RRC_DataInd</u> <u>Start</u> := taInd.start)	<pre>car_PS_InitDirectTransfer (tsc_CellDedicated, tsc_RB3, cbr_RA_UpdReqAny (c_GMM_UpdateTypeRA_Updating, p_Old_RAI, tcv_PS_KeySeq))</pre>	(P)	ROUTING A UPDATING REQUEST - Any upd type - RAI of previous cell				
10			+ SecurityDownloadStart main, <u>tcv_Start</u>)							
11		tcv_PS	+ <u>ts_RRC_Security</u> (Id, <u>tcv_PS_AuthCK</u> , _AuthIK, thKcGSM, FALSE,							

		ps_domain)			
12		+ ts_SetTmpCellInfo (p_CellId)			
13		<u>Dc</u> ! <u>RRC_DataReq</u>	<pre>ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc3(c_GMM_UpdateResultRA_Updated c_RAI_v (tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.mcc, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.lac, tcv_TmpCellInfo.rac), -, -,))</pre>	,	ROUTING AI UPDATING ACCEPT - type is updated' - <u>RAI</u> correspond to p_Cell
14	ERR1	[TRUE]		I	
Det	ailed C	Comments			

c_GMM_UpdateTypeCombRA_LA

Constraint Name		c_GMM_U	pdateTypeCombRA_L	A	
Structured Type		UpdateT	'ype_v		
Derivation Path					
Encoding Variation					
Comments					
Element Name	Element Va	lue	Element Encoding	Comments	
for	'0'B			No follow or request	1
value	' <mark>001</mark> 'В			Combined RA, updating	<mark>/LA</mark>
Detailed Comments					

After:

c_GMM_UpdateTypeCombRA_LA

Constraint Name	c_GMM_UpdateTypeCombRA_LA
Structured Type	UpdateType_v

Derivation Path				
Encoding Variatio	n			
Comments				
Element Name	Element Va	lue	Element Encoding	Comments
for	'0'B			No follow on request
value	' <mark>???</mark> 'B			Any RA/LA updating type
Detailed Comment	ts			

c_GMM_UpdateTypeRA_Updating

Constraint Name		c_GMM_Up	dateTypeRA_Updati	ng	
Structured Type		UpdateTy	pe_v		
Derivation Path					
Encoding Variation					
Comments					
Element Name	Element V	alue	Element Encoding	Comments	
for	'0'B			No follow or request	1
value	' <mark>000</mark> 'В			RA updating	
Detailed Comments					

After:

c_GMM_UpdateTypeRA_Updating

Constraint Name		c_GMM_Up	dateTypeRA_Updati	ng
Structured Type		UpdateTy	pe_v	
Derivation Path				
Encoding Variation				
Comments				
Element Name	Element V	alue	Element Encoding	Comments
for	'0'B			No follow on request
value	' <mark>???</mark> 'B			Any RA updating
Detailed Comments				

CHANGE REQUEST							
^ж ТS 34.1	23-3 CR 420	Current version: 3.6.1 ^第					
For <u>HELP</u> on using	this form, see bottom of this page or look	at the pop-up text over the X symbols.					
Proposed change affec	cts: UICC apps೫ ME Rac	dio Access Network Core Network					
Title: ^{# Con}	rections to RRC Package 3 TC 8.4.1.29 ar	nd 8.4.1.30.					
Source: ೫ Anit	te						
Work item code: ♯ <mark>N/A</mark>		Date:					
Deta	 <u>one</u> of the following categories: <i>F</i> (correction) <i>A</i> (corresponds to a correction in an earlier responds to a correction in an earlier response of the facture), <i>C</i> (functional modification of feature) <i>D</i> (editorial modification) ailed explanations of the above categories can ound in 3GPP <u>TR 21.900</u>. 	Release: %R99Use one of the following releases: 2(GSM Phase 2)elease)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: ¥	 tcv_PS_AuthCK and tcv_PS_AuthIK ts_RRC_Security.However, ts_RRC_ tcv_AuthIK which is incorrect. 2. Dependency of test case 8.4.1.29 on has to be avoided since for this partic px_RB_InteractiveOrBackground is a 3. TS 34.123-1 specification defines message at step 3, step 4, step 4d a RLC Buffer payload: Check to for RB20 Additional Measurement result CHOICE Measurement quantit range. But in TTCN value of RLC Buffer pay load is Additional measurement result Value of Measurement quantity TS 34.123-1 specification defines stef "UE repeats message after 1100 ms" 	which should be passed to _Security is called with tcv_AuthCK and a PIXIT px_RB_InteractiveOrBackground cular test case value needed for a random bitstring of size 1440 bits. contents of MEASUREMENT REPORT nd step 4e of test case 8.4.1.29 as to see if the value is above the threshold ts : Not checked ty: Check to see if set to within acceptable s not verified. ts are verified using "OMIT"					

		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:		 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.
		 Modified Line #9 of test case 8.4.1.29 to use TSO 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.
	 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 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%).
	 Modified Line #10 of test case 8.4.1.30 to use TSO _GetLeastSignificantBits to generate a random bit string of 4160 bits.
	 A new local tree It_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.
	 A new local tree It_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.
	 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.
	 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.
	 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: #	
	YN
Other specs # affected:	
Other comments: #	

How to create CRs using this form:

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- 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 <u>ftp://ftp.3gpp.org/specs/</u> 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	 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

		Test	Step		
Test Step Id:	ts_ToS	tateMT_PS_6_10Or6_11_ActivateR	B_TestMode (p_CellId :	INTEGER)	
Test Step Gro	up Ref: RRC_S	Steps/			
Objective:					
Defaults:	RRC_E				
Comments:	@SIC_	NAPP. @sic Thomas ER1744 sic@	<u>}</u>		
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_RRC_ConnEstPS_MT_P5_ P6 (p_CellId)			-
2		+ ts_GMM_Authentication(p_C eIIId)			
3		+ts_RRC_Security(p_Cellid, tcv_AuthCK, tcv_AuthIK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, ps_dom ain)			
4		+ ts_TC_ActivateRB_TestMod e (p_CellId)			
5		+ ts_RRC_SetUpRAB (p_Cel IId , tcv_RAB_Id, tcv_RRC_RAB_ Type)			

After :

		Test	Step		
Test Step Id:	ts_ToS	tateMT_PS_6_10Or6_11_ActivateR	B_TestMode (p_CellId :	INTEGER)	
Test Step Gr	oup Ref: RRC_	Steps/			
Objective:					
Defaults:	RRC_I				
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_C ellId)			
3		+ts_RRC_Security(p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_dom ain)			
4		+ ts_TC_ActivateRB_TestMod e (p_CellId)			
5		+ ts_RRC_SetUpRAB (p_Cel IId, tcv_RAB_Id, tcv_RRC_RAB_ Type)			

Change 2

Test step	tc_8_4_1_29
Reason for change	 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	 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 Ca	35B		
Test Ca	ise ld:	tc_8_4_1_29			
Test Gr	oup Referen	ce: RRC_Measurements/			
Purpose	e:	 To verify that in CELL_FACH state when event 4a trig easurement identity and indication of UL transport cha in number of bytes. To verify that in CELL_FACH state when event 4a trig measurement identity and indication of UL transport of ds in number of bytes. To confirm that the UE includes in the MEASUREME on RACH² as specified in System Information Block to 	nnel type, radio bea ggered after TVM sei hannel type, radio b NT REPORT messa	rer identitie lup UE sen earer iden	es and corresponding RLC buffer payloads ds RRC: Measurement Report with correc tities and corresponding RLC buffer paylos
Configu	ration:				
Defaults		RRC_Def1			
Comme	ents:				
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 eIIA
6		+ts_idleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Fach st ate and release the connection again
7		+ts_ToStateMT_PS_6_100r6_11_ActivateRB_TestM ode (1sc_CellA)			@sic Thomas ER1735 sic@
8		+ts_TC_CloseUE_TestLoop(tsc_CellDedicated, tsc_UE_TestLoopMode1, c_UE_TestLoopMode1_LB_Setup(1440, tst_RB20))			@sic Thomas ER1736 sic@
9	\leq	(tcv_RB_Data1 = o_GetMostSignificantBits (px_R B_interactiveOrBackground, 1440)			@sic Thomas ER1736 sic@
10		+It_TestBody			
11		*po_ConnectionAndSS_Rels			Postamble : To release the RRC connect ion and all the SS configuration
12	ERR1	[px_RAT = tdd]			TDD specific behaviour
14					

After Change:

			Test Case			
Test Ca	ase ld:		1: 8_4_1_29			
Test Group Reference: RRC Measureme						
Purpose: 1, T eas in r 2, T me ds 3, T			 To verify that in CELL_FACH state when event 4a triggered at easurement identity and indication of UL transport channel type in number of bytes. To verify that in CELL_FACH state when event 4a triggered at measurement identity and indication of UL transport channel ty ds in number of bytes. To confirm that the UE includes in the MEASUREMENT REPO on RACH" as specified in System Information Block type 12. 	, radio beare ter TVM setu pe, radio bea	r identitie o UE seno arer identi	s and corresponding RLC buffer payloads is RRC: Measurement Report with correct lies and corresponding RLC buffer payloa
Config	ration:		on PACH as specified in system mornation block type 12.			
Default			RRC_Def1			
Comm			nuce_pair			
Nr	Label		Behaviour Description	Constrai	Verdict	Comments
1		STAR	Tt Guard			
2		[px_F	RAT = fdd]			FDD specific behaviour
3		+18_1	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 s tate and release the connection again
7		+1s IIA.)	s_ToStateMT_PS_6_100v6_11_ActivateRB_TestMode (tsc_Ce			@sit Thomas ER1735 sic@
8		tsc_(tsc_(s_TC_CloseUE_TestLoop(CellDedicated, UE_TestLoopMode1, -TestLoopMode1_LB_Setup(1440, tsc_RB20))			@sit Thomas ER1736 sic@
9	\leq		(ttv_RB_Data1 := 0_GetLeastSignificantBits(0_OcfToBit(0_Get) stetsFromPRBS(0,180)),1440))			@sit Thomas ER1736 sic@
10			It_TestBody			
11			*po_ConnectionAndSS_Rels			Postamble : To release the RRC connection and all the SS configuration
12	ERR1	[px_F	RAT = tdid]			TDD specific behaviour
13	ERR2	[TRU	IE]		1	
It Test	Body					

Change 3

Asn.1 PDU Constraint Declaration	In cr_MeasReportEventBasedTrafficVolume
Reason for change	 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	 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

```
rb_identity ?,
  rlc_BuffersPayload p_RLC_BuffersPayload,
  averageRLC_BufferPayload p_AverageRLC_BufferPayload,
  varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
 ł.
 ł
  rb_identity ?,
  rlc_BuffersPayload p_RLC_BuffersPayload,
  averageRLC_BufferPayload p_AverageRLC_BufferPayload,
  varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
 ł,
 ł
  rb_identity ?,
  ric_BuffersPayload p_RLC_BuffersPayload,
  averageRLC_BufferPayload p_AverageRLC_BufferPayload,
  varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
 ł
<u>}.</u>
measuredResultsOnRACH (
 currentCell {
  modeSpecificInfo fdd : (
   measurementQuantity cpich_RSCP : ?}
1
additionalMeasuredResults OMIT,
eventResults p EventResults,
v390nonCriticalExtensions *
```

Detailed Comment:

After:

```
rb_Identity ?,
    ric_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   1.
   £
    rb_identity ?,
    rlc_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   з.
   ſ
    rb_identity?,
    rtc_BuffersPayload p_RLC_BuffersPayload,
    averageRLC_BufferPayload p_AverageRLC_BufferPayload,
    varianceOfRLC_BufferPayload p_VarianceOfRLC_BufferPayload
   }
  ł,
  measuredResultsOnRACH {
   currentCell (
    modeSpecificInfo fdd : {
     measurementQuantity cpich_RSCP : ?}
  ю.
 additionalMeasuredResults*,
  eventResults p_EventResults,
  v390nonCriticalExtensions *
Detailed Comment:
```

Change 4:

Local Tree and Test step	In It_TestBody, It_CheckFirstMeasReport, It_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.
	 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	 Defined Local tree It_CheckRLC_PayLoadUpper to verify RLC Buffer pay load at step 3, 4, 4d and 4e
	 Defined Local tree It_CheckCPICH_RSCP to verify Measurement quanity at step 3, 4, 4d and 4e.
	 Defined new test case variable tcv_RLCBuffer_PayLoad of type RLC_BuffersPayload in Test Case Variable Declaration.
	 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 It_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

It_Te	stBody				
0	TBS (t	tcv_TestBody = TRUE)			
1	Bi	ts_SysinfoModifySiB12_MIB_RRC (tsc CellA, 2, c_SIB12_TrafficVolume_Event ased (tcv_CellinfoA, tcv_CellinfoB, tcv_ ellinfoC, tcv_CellinfoD, tcv_CellinfoE, v_CellinfoF, tcv_CellinfoG, tcv_CellinfoH tsc_Now)			Step 1a & 1b
2	•	It_startLoopback_data			@sit Thomas ER1737 sic@
3		AM I RLC_AM_DATA_REQ	cas_MeasurementControl (1sc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellIndInto.dl_IntegrityCheckInfo,tcv_RRC_TI, 15, , c_TrafficVolumeMeasurementObjectList, ric_BufferPa yload: NULL, TRUE, FALSE, FALSE, { ue_State all_But_Cell_DCH }, traffic VolumeReportingCriteria: c_TrafficVolumeReportingC riteria (OMIT ,e4a, th8, ttf100, ptat1, toiat0_25), eventTri gger))		Step 2 in prose;
4		(tcv_Tolerance = 900)			@sic Thomas ER1738 sic@
5		START 1_WallMS (100 + tcv_Tolseanc			
6		+It_CheckFirstMeasReport)		Step 3 in prose; @sit Thomas ER1739 sic@
7		theckmeasReport (1100)			Step 4 in prose;
8		START 1_WaltMS (2200 + tcv_Tolera ce)	\geq		Initialize thewait timer to 10 0 mseconds; @sic Thomas ER1740 sic@
9		AM ?RLC_AM_DATA_IND	<pre>car_MeasurementReport(tsc_CellDedicated, tsc_R B2, cr_MeasReportEventBasedTraffcVolume (15, ?, OMIT, OMIT, c_EventResults (rachorcpch : NULL, e4a)))</pre>	(F)	Step 4b in prose;
9		TIMEOUT L WalthS		(P)	
10		+It_CheckMeasReport (100)			Step 4d in prose;
11		+It_CheckMeasReport(1100)			Step 4e in prose;
12	C	+ts_TC_OpenUE_TestLoop (tsc_ eIIA)			@sic Thomas ER1741 sic@
13	0	+ ts_TC_DeactivateRB_TestMode tsc_CellA)			@sic Thomas ER1741 sic@
14	el	+ts_C2_CheckCellFACH (tsc_C A)			
15	TBE	(1rv_TestBody >= FALSE)		(P)	

0	heckFirstM	AM ? RLC_AM_TestDataInd	car_RLC_AM_Dataind (tsc_CellDedicated		
		AN LUCCTANT LESISTANTIA	<pre>car_RLC_AW_DataInd (tsc_Celibedicated , tsc_RB20, c_TrD_Data(tcv_RB_Data1))</pre>		
1	Loop1	AM I RLC_AM_TestDataReg	cas_RLC_AM_DataReg (tsc_CellDedicate		
			d, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated ,tsc_RB20, c_TrD_Data@cv_RB_Data1))		
1		->Loop1			
2		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.aM _message.uL_DCCH_Message.message.measureme ntReport.measuredResults.trafficVolumeMeasuredResu tsList, tcv_RB_SR8_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	tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rach orcpch : NULL, e4a)))		Step 3 in prose; @sic Thomas CR T1 031582 sic@
		as_Results.[4].rb_Identity})			
3		+ts_CheckR8sInTrafficVolMeas (tcv_R8_SR8_Receii veList, c_R8_SR8_RA8_List)			@sit Thomas CR T1 031582 sit@
4		CANCEL 1_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)	
٥		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.aM _message.uL_DCCH_Message.message.measureme ntReport.measuredResults.trafficVolumeMeasuredResu tsList, 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_TrafficVolMeas as_Results.[4].rb_Identity})	tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rach orcpch : NULL, e4a)))		
1		*ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_Receiv eList, t_RB_SRB_RAB_List)			
2	_	CANCEL t_WaitMS			
3		AM ? RLC_AM_TestDataInd	car_RLC_AM_Dataind (tsc_CellDedicated ,tsc_RB20, c_TrD_Data(tcr_RB_Data1))	(P)	
1.01	harlMaarE	Report(pTimer : INTEGER)			
0	neckweash	START t_WaitMS (pTimer + tcv_Tolerance)			
1	Loop2	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicat ed, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		@sic Thomas ER174 3 sic@
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (1sc_CellDedicated ,tsc_RB20, c_TrD_Data (1cv_RB_Data1))		@sic Thomas ER174 3 sic@
3		->Loop2		-	
2		AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA_IND.aM _message.uL_DCCH_Message.message.measureme ntReport.measuredResults.trafficVolumeMeasuredResults.its.tcv_RB_SRB_ReceiveList := (tcv_TrafficVolMeas _Results.j0j.rb_jdentity, tcv_TrafficVolMeas_Results.j1j.rb _identity, tcv_TrafficVolMeas_Results.j2j.rb_identity, tcv _TrafficVolMeas_Results.j3j.rb_identity, tcv_TrafficVolMeas _Results.j4j.rb_identity))	tsc_RB2, cr_MeasReportEventBasedTrafficVolume (15, ?, OMIT, OMIT, c_EventResults (rach orcpch : NULL, e4a)))		Step 4 in prose
3		+ts_CheckRBsInTrafficVolMeas (tcv_RB_SRB_Recei veList, c_RB_SRB_RAB_List)			
4		CANCEL t_WaitMB			
5		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated ,tsc_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	@sic Thomas ER174 2 sic@
2		2 TIMEOUT t WaitMS		(E)	

After:

7 TIMEOUT L_WaitMS

(F)

0	TBS (tcv_TestBody >= TRUE)			
1	+ts_BysInfoModifySIB12_MIB_RRC (tsc_CellA, 2, c_SIB12_TrafficVolum e_EventBased (tcv_CellinfoA, tcv_C ellinfoB, tcv_CellinfoC, tcv_CellinfoD , tcv_CellinfoE, tcv_CellinfoF, tcv_Ce llinfoG, tcv_CellinfoH), tsc_Now)			Step 1a & 1b
2	+it_startLoopback_data			@sic Thomas ER1737 sic@
3	AM I RLC_AM_DATA_REQ	<pre>cas_MeasurementControl (tsc_CellDedicated, tsc _RB2, cs_MeasurementControlTrafficVolumeSetup (tcv_CellindInfo.dl_integrityCheckInfo, tcv_RRC_TI, 1 5, c_TrafficVolumeMeasurementObjectList, rtc_Buff erPayload : NULL, TRUE, FALSE, FALSE, (ue_State all_But_Cell_ DCH), trafficVolumeReportingCriteria : c_TrafficV olumeReportingCriteria (OMIT,e4a, th8, ttt100, ptat1 , bial0_25), eventTrigger))</pre>		Step 2 in prose;
4	(tcv_WaitTimeForTrafficVolEvents = 900)			@sic Thomas ER1738 sic@
5	START t_WaitMS (100 +tcv_WaitT ImeForTrafficVolEvents)			Simer =(tt + wait time for triggering tra ic vol event)
5	+It_CheckFirstMeasReport (1000 - 100)			Step 3 in prose; @sic Thomas ER1739 sic@ LowerBound timer = pendingtime af trigger - 10% tolerance
7	+It_CheckMeasReport_Periodic			Step 4 in prose;
8	START 1_WaitMS (1000 + 100)			Initialize thewait timer to 100 mseco ds; @sic Thomas ER1740 sic@ UpperBound timer = pendingtime aft trigger + 10% tolerance
9	AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc _RB2, cr_MeasReportEventBasedTrafficVolume (15,?,OM IT, OMIT, c_EventResults (rachoropch : NULL, e4a.)))		Step 4b in prose;
9	PTIMEOUT t_WaitMS		(P)	
10	START LWaitMS (100 +tcv_Wa itTimeForTrafficVolEvents)			timer = (tt + wait time for triggering tra ic vol event)
11	+t_CheckMeasReport(1000 - 100))		Step 4d in prose; LowerBound timer = pendingtime af trigger - 10% tolerance
2	+It_CheckMeasReport_Period			Step 4e in prose;
13	<pre>ts_TC_OpenUE_TestLoop (tsc_CellA)</pre>			@sic Thomas ER1741 sic@
4	+ ts_TC_DeactivateR8_Test Mode (tsc_CellA)			@sic Thomas ER1741 sic@
15	+ts_C2_CheckCellFACH (t sc_CellA)			-

LCh	eckFirst	MeasReport(pTimer : INTEGER)			
)		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB2		
	Loop1	AM I RLC_AM_TestDataReq	0, c_TrD_Data(tx_R8_Data1)) cas_RLC_AM_DataReg (tsc_CellDedicated, tsc_R8		
			20, c_TrD_Data(tcv_RB_Data1))		
		AM ? RLC_AM_TestDataind	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB2 0, c_TrD_Data(trv_R8_Data1))		
		->Loopt			
		AM 2RLC_AM_DATA_IND	ter_MeasurementReport (tsc_CellDedicated,	(P)	Step 3 in prose;
		(tov_TrafficVolMeas_Results >= RLC			@sic Thomas CR T1-031582 sit@
			<pre>cr_MeasReportEventBasedTrafficVolume(15,?,OM IT, OMIT, c_EventResults(rachorcpch:NULL,e4a))</pre>		
		mentReport.measuredResults.traffic			
	1	VolumeMeasuredResultsList, tcv_R	· \		
	1	B_SRB_ReceiveList := { tcv_TrafficVo			
		IMeas_Results.[0].rb_identity, tcv_Tr			
		afficVolMeas_Results.[1].rb_identity,			
		tcv_TrafficVolMeas_Results.[2].rb_Id entity, tcv_TrafficVolMeas_Results.[3]			
		Jrb_Identity, tcv_TrafficVolMeas_Res			
		ults.[4].rb_Identity), tcv_RLCBuffer_			
	1	PayLoad = tcv_TrafficVolMeas_Resu			
		Its.[4]. rlc_BuffersPayload, tcv_Check			
	1	cpich_RSCP := RLC_AM_DATA_IND			
	1	.aM_message.uL_DCCH_Message. message.measurementReport.mea	/		
		suredResultsOnRACH.currentCell.m	/		
	()	odeSpecificInfo.fdd.measurementQu	/		
		antity.cpich_RSCP)	/		
		CANCEL LWaitMS			
		START (LowerBound (pTimer)			
		+ t_CheckRLC_PayLoadUpper (t h8)			
		+IL_CheckCPICH_RSCP			
		+ts_CheckRBsinTrafficVolMeas			@sic Thomas CR T1-031582 sic@
		(tcv_RB_SRB_ReceiveList, c_RB_S RB_RAB_List)			
		AM 7 RLC_AM_TEStDatsind	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB2	(P)	
			0, c_TrD_Data(tv_RB_Data1))	~ /	
		? TIMEOUT 1_WaitMB		(F)	
		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated,	(P)	
		(tov_TrafficVolMeas_Results := RLC			
			<pre>cr_MeasReportEventBasedTraffcVolume(15,?,OM IT, OM(T, c_EventResults(rachoropch:NULL, e4a))</pre>		
		mentReport.measuredResults.traffic			
		VolumeMeasuredResultsList, tzv_R	· \		
	- 1	B_SRB_ReceiveList >= { tcv_TrafficVo			
	- 1	IMeas_Results.(0].rb_identity, tcv_Tr			
		afficVolMeas_Results.[1].rb_Identity, tcv_TrafficVolMeas_Results.[2].rb_Id			
		entity, tcv_TrafficVolMeas_Results.[3]			
		Irb_Identity, tcv_TrafficVolMeas_Res			
		ults.[4].rb_identity; tcv_RLCBuffer_			
		PayLoad := try_TrafficVolMeas_Resu			
	1	Its.[4]. ric_BuffersPayload, tcv_Chec			
	1	kcpich_RSCP := RLC_AM_DATA_IN D.aM_message.uL_DCCH_Messag			
		e.message.measurementReport.me			
	1	asuredResultsOnRACH.currentCell.			
		modeSpecificInfo.fdd.measurement			
		Quantity cpich_RSCP)			
		CANCEL t_WaltMS START t_LowerBound (pTimer)			
		+ IL CheckRLC_PayLoadUpper (h			
		8)			
		+IL_CheckCPICH_RSCP			
		*ts_CheckRBsinTrafficVetMeas (
		tcv_RB_SRB_ReceiveList, c_RB_S RB_RAB_List)			
			AND A MERCHANNEL AND ADDRESS AND ADDRESS AND ADDRESS ADDRE	100	
		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_RB2	(P)	

IL_Chec	kMeas	Report(pTimer : INTEGER)			-
0 L	0002	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReg(tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_R8_Data1))		@sic Thomas ER1743 sic@
1		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1743 sic@
2		->Loop2			
1		· · · · · · · · · · · · · · · · · · ·	tr_MeasReportEventBasedTrafficVolume (15 , 7 , OMIT, OMIT, c_EventResults (rachoropolitic : NULL, e4a)))		Step 4 in prose
2		CANCEL L WaitMS	/		
3		START LowerBound (pTimer)			
4		+ It_ChetkRLC_PayLoadUpper (th8)			
5		+It_CheckCPICH_RBCP			
6		+ts_CheckRBsinTrafficVolMeas (tcv_RB _SRB_ReceiveList, c_RB_SRB_RAB_List)			
7		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	@sic Thomas ER1742 sic@
1		? TIMEOUT L WaltMS		(F)	

New LocalTree:

			Periodic						
0	Loop3	AMIRI		dicate	RLC_AM_DataReq (tsc_CellDe d, tsc_RB20,c_TrD_Data(tcv_ ata1))		@sik sic(as ER1743
1		AM ? F	RLC_AM_TestDataInd	car_R icated	LC_AM_DataInd (tst_CellDed ,tst_RB20, t_TrD_Data (tcr_ ata1))		@sic sice		as ER1743
2		->Loo		nb_b	ata (/ / /				
1		AM ?R (tcv_T) .aM_m ureme uredRe rafficVo eas_R		edicat tsc_R cr_Mes ume (82, asReportEventBasedTrafficVol 15, 7, OMIT, OMIT, c_EventRe	(F)	Step	i 4 in pro	ose
		dentity, tov_RL Its.[4]. (RLC_) sage.n ultsOn ureme	tcv_TrafficVolMeas_Results [4] rb_identity), CBuffer_PayLoad := tcv_TrafficVolMeas_Resu rtc_BuffersPayload, tcv_Checkopich_RSCP := AM_DATA_IND.aM_message.uL_DCCH_Mes nessage.measurementReport.measuredRes RACH.currentCell.modeSpecificInfo.fdd.meas ntQuantity.cpich_RSCP)						
1			OUT t_LowerBound			(P)			
2		(tov_T) .aM_m ureme uredRi rafficVo	RLC_AM_DATA_IND rafficVolMeas_Results := RLC_AM_DATA_IND essage.uL_DCCH_Message.message.meas ntReport.measuredResults.trafficVolumeMeas esultsList, tcv_RB_SRB_ReceiveList := { tcv_T iMeas_Results [0].rb_Identity, tcv_TrafficVolM esults.[1].rb_Identity, tcv_TrafficVolMeas_Resu	edicab tsc_R cr_Mes ume (B2, asReportEventBasedTrafficVol 15, ?, OMIT, OMIT, c_EventRe				ose
		Its.[2].r dentity, tov_RL Its.[4].r RLC_	b_identity, tcv_TrafficVolMeas_Results.[3].rb_i , tcv_TrafficVolMeas_Results.[4].rb_identity), CBuffer_PayLoad := tcv_TrafficVolMeas_Resu rtc_BuffersPayload, tcv_Checkcpich_RSCP := AM_DATA_IND.aM_message.uL_DCCH_Mes nessage.measurementReport.measuredRes						
			RACH.currentCell.modeSpecificInfo.fdd.meas ntQuantity.cpich_RSCP)						
3			+ It_CheckRLC_PayLoadUpper (th8)						
4 5			+It_CheckCPICH_RSCP	- 40					
0			+ts_CheckRBsInTrafficVolMeas (tcv_RB_SF eceiveList, c_RB_SRB_RAB_List)	KB_K					
6			AM ? RLC_AM_TestDataInd		car_RLC_AM_DataInd (tsc_C ted, tsc_RB20, c_TrD_Data (tr ata1))			P)	@sit Thomas ER1742 sic@
2			AM ? RLC_AM_TestDataInd		car_RLC_AM_DataInd (tsc_C) ted, tsc_RB20, c_TrD_Data (tr sta1))				@sic Thomas ER1743 sic@
3	Loo	p4	AM I RLC_AM_TestDataReq		cas_RLC_AM_DataReq (tsc_ ated, tsc_RB20, c_TrD_Data(ata1))	tov_R8	UD		@sic Thomas ER1743 sic@
4			AM ? RLC_AM_TestDataind		car_RLC_AM_DataInd (tsc_C ted, tsc_RB20, c_TrD_Data (tr ata1))				@sit Thomas ER1743 sic@
5 4			->Loop4		one Monouromont/Depart (too	0.00		D	Plan d in support
•			AM ?RLC_AM_DATA_IND (tcv_TrafficVolMeas_Results := RLC_AM_DATA .aM_message.uL_DCCH_Message.message.t urementReport.measuredResults.trafficVolume uredResultsList, tcv_RB_SRB_ReceiveList := { afficVolMeas_Results.j0j.rb_Identity, tcv_TrafficVolMeas_R as_Results.j1j.rb_Identity, tcv_TrafficVolMeas_R s.j2j.rb_Identity, tcv_TrafficVolMeas_Results.j3j.	meas Meas tov_Tr /olMe Result rb_ld	tsc_RB2, cr_MeasReportEventBasedTra e (15,?, OMIT, OMIT, c_Event rachoropch : NULL, e4a)))	affic Volu	um	.,	Step 4 in prose
			entity, tov_TrafficVoIMeas_Results [4].rb_ldentit v_RLCBuffer_PayLoad := tov_TrafficVoIMeas_Ro .[4].rtc_BuffersPayload, tov_Checkspich_RSCP LC_AM_DATA_IND.aM_message.uL_DCCH_M ge.message.measurementReport.measuredRo OnRACH.currentCell.modeSpecificInfo.fdd.mea mentQuantity.cpich_RSCP)	esults P := R lessa esults					

5	+ It_CheckRLC_PayLoadUpper (th8)			
6	+It_CheckCPICH_RSCP			
7	+ts_CheckR8sInTrafficVolMeas (trv_R8_SR8_ ReceiveList, c_R8_SR8_RA8_List)			
8	AM ? RLC_AM_TestDataind	car_RLC_AM_DataInd (tsc_CellDedica	(P)	@sit Thomas ER1742
		ted, tsc_RB20, c_TrD_Data (tcv_RB_D ata1))		sic@

New LocalTree

It_CheckRI	.C_PayLoadUpper(UpperTreshold :TrafficVolumeThreshold)		
0	[tcv_RLCBuffer_PayLoad >UpperTreshold]	(P)	Need to check that RLCB uffer payload in Meas rep ort is greater than Report ing threshold
0	[TRUE]	(F)	

New LocalTree

IL_CheckCP	ICH_RSCP			
0	<pre>[((tcv_Checkspich_RSCP - tsc_Cpich_RSCP_70d) m) >= tsc_cpich_RSCPMin) AND ((tsc_Cpich_R CP_70dBm - tcv_Checkspich_RSCP) <= tsc_cpich, SCPMax)]</pre>	5	(P)	
0	[TRUE]		(F)	

New Test Case Variable:

Test Case Variable Declarations							
Group:							
Variable Name Var	Type	√ Value	∇ Comments				
tcv_Tolerance	INTEGER	0	Tolerance for the timers				
ter_WaitTimeForTrafficVolEvents	INTEGER	0	waite time needed for triggering traffic v olume events				
tcv_TrafficVotMeas_Results_	TrafficVolumeMeasuredResults List		Variable to store the received results fr orm a Traffic Volume Measurement				
tcv_RB_SRB_ReceiveList	RB_IdentityList	{1,1,1,1}	Variable to store the received SRB RB I ds from a Traffic Volume Measurement				
In Territory Devices	DOUTINO (DEALIDEATEDEO) (F		Terrestable Call DNT - 0400				

New Test Case Variable:

tcv_HFN	B20	B.000000000000000000000000	Hyper Frame Number for CS or PS do
-			main - to be used in security steps
tcv_initialUE_id	InitialUE_klenity	c_UE_IdDefIMSI	Used to store the UE Identity
fcv_RLCBuffer_PayLoad	RLC_BuffersPayload		RLC_BuffersPayload
tcv_Checkspich_RSCP	INTEGER	0	
tsc_Cpich_RSCP_70dBm	INTEGER	45	
tsc_cpich_RSCPMax	INTEGER	6	
tso spich RSCPMin	INTEGER	-6	

Change 5:

Test step	tc_8_4_1_30
Reason for change	 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	 Modified Line #10 of test case 8.4.1.30 to use TSO GetLeastSignificantBits to generate a random bit string of 4160 bits.
Source of change	new change

Test C	ase ld:		11.8.4.1.30			
Test 0	roup Refe	erence	RRC Measurements/			
Purpose:			 To verify that in CELL_DCH state when event 4 and indication of uplink transport channel type at tes. 			
Config	uration:					
Defaul	ts:		RRC_Deft			
Comm	ients:					
Nr	Label		Behaviour Description	Constraint Ref	Verdict	Comments
1		STAR	Tt_Ouard			
2		1 px_	RAT = fdd]			FDD specific behaviour
3		+ts	RRC_Inif/ariablesPS (cell_DCH)			
4		+15	_SS_CreateCelIDCH (tsc_CelIA)			Configure lower tester
5		+ts	_SendDef_sysinfo_MultiCell (tsc_CellA)			Sends the default system information n CeliA
6		+1	s_IdleUpdated (tsc_CellA)			Idle Update and bring UE to Cell_Fact state and release the connection again
7			ts_ToStateMT_PS_6_100r6_11_ActivateRB_Test e (tsc_CeIIA)			
8		Â	MIRLC_AM_DATA_REQ	cas_TranportFormatCombCtrIAM (tsc _CellDedicated, tsc_RB2, cbs_Trans portFormatCombCtrl (tov_CellIndInfo. dL_integrityCheckInfo, tov_RRC_Ti, c_ TFC_Allowed_0_1_5_6))		@sic Thomas ER1745 sic@
9		tsc_	rts_TC_CloseUE_TestLoop(_CellDedicated, tsc_UE_TestLoopMode1, c_U etLoopMode1_LB_Setup(4180, tsc_R820)			@sic Thomas ER1746 sic@
10			(tcv_RB_Data1 := o_GetMostSignificantBits (px_ nteractiveOrBackground , 4160))	D		@sit Thomas ER1746 sit@
11		TFC.	+IS_SS_TFG_Restriction (Isc_GelDedicated, c_ Allowed_0_1_5_6, c_TFC_Allowed_0_1_to_9)			@sit Thomas ER1745 sit@
12			+It_TestBody			
13			+po_ConnectionAndS8_Rels			Postamble : To release the RRC conn ection and all the SS configuration
14	ERR1	[px_	RAT = tdd]			TDD specific behaviour
15	ERR2	[TR	UE)		1	
15 # Tac						

After:

Test Ca	ase id:		tr_8_4_1_30						
Test Group Reference:		nence:	RRC_Measurements/						
Purpose:			1. To verify that in CELL_DCH state when event 4a or	4b triggers UE sends RRC: Measuremen	nt Report	with correct measurement identity and			
			ndication of uplink transport channel type and identity,	radio bearer identities and corresponding	g RLC b	uffer payloads in number of bytes.			
Config	uration:								
Default	5.		RRC_Def1						
Comm	ents:								
Nr	Label		Behaviour Description	Constraint Ref	Verd	Comments			
1		STAR	Tt_Guard						
2		(px)	RAT = fdd]			FDD specific behaviour			
3		+1s_1	RRC_InitVariablesPS (cell_DCH)						
4		+ts_	SS_CreateCelIDCH (tsc_CelIA)			Configure lower tester			
5		+ts	_BendDef_sysInfo_MultiCell (tsc_CellA)			Sends the default system information in CellA			
8		+bs	_idieUpdated (tsr_CellA)			Idle Update and bring UE to Cell_Fact state and release the connection aga n			
7			s_ToStateMT_PS_6_100r6_11_ActivateRB_TestMode CellA)						
8		,AA	MIRLC_AM_DATA_REQ	cas_TranporFormatCombCtriAM (tsc _CelDedicated, tsc_R82, cbs_TransporFormatCombCtrl (trv_C allindinfo.dL/integrityCheckinfo, tcv_RR C_Ti, c_TFC_Allowed_0_1_5_60)		@sic Thomas ER1745 sic@			
9		tsc_(ts_TC_CloseUE_TestLoop(CellDedicated, t <u>sc_UE_TestLoopMode1</u> , c_UE_Tes Mode1_LB_Setup(4160, tsc_RB20))			@sic Thomas ER1746 sic@			
10	\leq		tov_R8_Data1 = o_GetLeastSignificantBits(o_OctToB etN_OctetsFromPRBS(0,520)),4160))	\triangleright		@sic Thomas ER1746 sic@			
11			<pre>+ts_SS_TFC_Restriction dsc_Gel/DudicSted, c_TFC_ ed_0_1_5_6, c_TFC_Allowed_0_1_t0_9)</pre>			@sic Thomas ER1745 sic@			
12			+It_TestBody						
13			+po_ConnectionAndSS_Rels			Postamble : To release the RRC con- ection and all the SS configuration			
14	ERR1	Lpx_F	RAT = tdd)			TOD specific behaviour			
15	ERR2	TRU	E]		1				

Change 6:

Local Tree and Test step	Lt_TestBody, It_CheckFirstMeasReport and It_CheckmeasReport of tc_8_4_1_30
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 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.
	 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	 A new local tree It_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.
	 Defined a new test case variable 'tcv_RLCBuffer_PayLoad' in Test case variable declaration.
	 A new local tree It_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.
	 Step 5 and 7 are modified to verify that UE sends MEASUREMENT REPORT message after 2100 ms. Introduced a new local tree It_CheckmeasReport_Periodic for the same.
	 Modified TTCN to start a lowerbound timer immediately after receiving MEASUREMENT REPORT Message.
	 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

n_1es	tBody				
0	TBS	(tcv_TestBody = TRUE)			
1		+lt_startLoopback_data			@sic Thomas ER1747 it@
2		AMIRLC_AM_DATA_REG	<pre>cas_MeasurementControl (tsc_CellDedicated, tsc_RB2, cs_MeasurementControlTrafficVolume Setup (tcv_CellIndInfo.dl_integrityCheckInfo, tcv_ RRC_Ti, 15, (dch:1), rlc_BufferPayload: NUL L, TRUE, FALSE, FALSE, (ue_State cell_DCH), trafficVolumeReportingCriteria: c_TrafficVolum eReportingCriteriaEvent4a4b (OMIT, e4a, th256, tt100, ptat2, OMIT), eventTrigger))</pre>		Step 2 in prose; @sic Thomas ER1748 ic@
3		AM IRLC AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc _RB20, c_TrD_Data(tcv_RB_Data1))		
4		(tcv_Tolerance := 900)			@sit Thomas ER1749 it@
5		START + WallMS (100 + try, Tolerance)			
6		+It_CheckFirstMeasReport			Step4; @sit Thomas ER1750 it@
7		+IL_CheckMeasReport(2100)			Step5; @sic Thomas EF 1753 sic@
8		AMIRLC_AM_DATA_REQ	cas_MeasurementControl (tsc_CellDedicated, t sc_RB2, cs_MeasurementControlTrafficVolumeS etup (tcv_Cellindinfo.dl_IntegrityCheckinfo, tcv_R RC_Ti, 14, (dch:1), ric_BufferPayload: NULL, TRUE, FALSE, FALSE, {ue_State cell_DCH}, tr afficVolumeReportingCriteria: c_TrafficVolumeR eportingCriteriaEvent4a4b (OMIT, e4b, th32, tt1 00, ptat2, OMIT), eventTrigger))		Step 5b in prose
9		START t_WaitMS (100 + tzv_Tolerance)			Initialize thewait timer b 100 mseconds
10	_	? TIMEOUT t_WaltMS		(F)	
10		AM-PREC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, ts c_RB2, cdr_MeasReportTraffcVolume (14, ?, OM IT, OMIT, c_EventResults (dch:1, e4b)))		Step 6 in prose
11		GANCEL (_WatMS			
12	(START L_WaitMS (2100 + tcv_Tolerance	>		Initialize thewait timer to 2 seconds
13		? TIMEOUT L WARMS		(F)	
13		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc _RB2, cdr_MeasReportTrafficVolume (14, ?, 0 MIT, OMIT, c_EventResults (dch : 1, e4b)))	(P)	Step 7 in prose
14		CANGELLWIMS			
15		+It_CheckMeasReport(100)			Step7b; @sic Thomas I R1753 sic@
16		e) START 1_WaitMS (1000 + toy_Tolerand	>		Initialize thewait timer t 100 mseconds
17		? TIMEOUT L WaitMS		(F)	
17		ANT?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellDedicated, tsc _RB2, cdr_MeasReportTraffcVolume (14, ?, OM IT, OMIT, c_EventResults (dch : 1, e4b)))		Step 7c in prose
18		CANCEL 1_WaitMS			
19		+ ts_TC_OpenUE_TestLoop (tsc_Ce			
		+ ts_TC_DeactivateRB_TestMode (t st_CellA)			@sic Thomas ER1751 ic@
20		of other			

0		AM ? RLC_AM_TestDataind	car_RLC_AM_DataInd (tst_CellDedi cated, tst_RB20, c_TrD_Data (tcv_R B_Data1))		
1	Loop1	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDe dicated, tsc_RB20, c_TrD_Data(tcv_ RB_Data1))		
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedi cated, tsc_RB20, c_TrD_Data (tcv_R B_Data1))		@sic Thomas ER1752 s Ic@
3		->Loop1			
2		AM ?RLC_AW_DATA_IND	car_MeasurementReport (tsc_CelID edicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))		Step 4 in prose
3		CANCEL L_WaitMS			
4		AM ? RLC_AM_TestDataind	car_RLC_AM_DataInd (tsc_CellDedi cated, tsc_RB20, c_TrD_Data (tcv_R B_Data1))	(ም)	
5		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedi cated, tsc_RB20, c_TrD_Data (tcv_R B_Data1))		
2		7 TIMEOUT t_WaitMS		(F)	
0		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellD edicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))		
1		CANCEL t_WaitMS			
2		AM ? RLC_AM_TestDataind	car_RLC_AM_DataInd (1st_CellDedi cated, tsc_RB20, c_TrD_Data (1tv_R B_Data1))		
3		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedi cated, tsc_RB20, c_TrD_Data (tcv_R B_Data1))		

			· · · · · · · · · · · · · · · · · ·		
t_CI	heckMeasR	eport(pTimer : INTEGER)			
0		START t_WaitMS (pTimer + tcv_Tolerance)			
1	Loop2	AMIRLC_AM_TestDataReq	cas_RLC_AM_DataReg(tsc_CelDe dicated, tsc_R820, c_TrD_Data(tcv_ R8_Data1))		@sic Thomas ER1752 : ic@
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (1st_CellDedi cated, tsc_RB20, c_TrD_Data (tcv_R B_Data1))		@sic Thomas ER1752 s ic@
3		->Loop2			@sic Thomas ER1753 : ic@
2		AM ?RLC_AM_DATA_IND	car_MeasurementReport (tsc_CellD edicated, tsc_R92, cdr_MeasReportTrafficVolume (15, ? , OMIT, OMIT, c_EventResults (dch : 1, e4a)))		Step 4 in prose
3		CANCEL1_WaitMS			
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_Dataind (tst_CellDedi cated, tst_RB20, c_TrD_Data (tcv_R B_Data1))		@sic Thomas ER1752 : ic@
2		? TIMEOUT L WaitINS		(F)	

After:

_	estBody				
		(trv_TestBody = TRUE)			
1		It_startLoopback_data			@sic Thomas ER1747 sic@
2			<pre>cas_MeasurementControl (tsc_CellDedicated , tsc_RB2, cs_MeasurementControlTrafficVo lumeSetup (tcv_CellIndInfo.dl_IntegrityCheckl nfo, tcv_RRC_T1, 15, (dch : 1), ric_BufferPaylo ad : NULL, TRUE, FALSE, FALSE, {ue_Sta te cell_DCH}, trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteriaEvent4a4 b (OMIT, e4a, ft256, tt1100, ptat2, OMIT), eve nfTrigger))</pre>		Step 2 in prose; @sic Thomas ER1748 sic@
3			cas_RLC_AM_DataReq (tsc_CellDedicated, tsc_RB20, c_TrD_Data(tcv_RB_Data1))		
4		(1cv_WaitTimeForTrafficVolEvents := 90 0)			@sic Thomas ER1749 sic@
5	(START t_WaitMS (100 + tcv_WaitTimeF orTrafficVoiEvents)			timer =(# + wait time for triggering traffic vo event)
6		+it_CheckFirstMeasReport (2000 - 200			Step4; LowerBound timer = pendingtime after trig er - 10% tolerance
7		HL CheckMeasReport Periodic			Step5; @sic Thomas ER1753 sit@
8		AM IRDC_AM_DATA_REG	<pre>cas_MeasurementControl (tsc_CellDedicated tsc_RB2, cs_MeasurementControlTrafficVolu meSetup (tcv_CellIndInfo.dl_IntegrityCheckInf o, tcv_RRC_TI, 14, {dch:1}, fc_BufferPaylo ad: NULL, TRUE, FALSE, FALSE, {ue_Sta te cell_DCH}, trafficVolumeReportingCriteria : c_TrafficVolumeReportingCriteriaEvent4a4 b (OMIT, e4b, th32, tt100, ptat2, OMIT), eventTrigger))</pre>		Step 5b in prose
9	<	START t_WaitMS (100 + tcv_WaitTim eForTrafficVolEvents)	\geq		Initialize thewait timer to 100 mseconds timer =(tt + wait time for triggering traffic vo event)
10		? TIMEOUT L WAIMS		(F)	
10		xv_RLCBdffer_PayLoad := RLC_AM_DAT	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTraffcVolume (14, ?, OMIT, OMIT, c_EventResults (dch : 1, e (b)))</pre>	(P)	Step 6 in prose
11		CANCEL 1_WaitMS			
12	/	START t_LowerBound (2000 - 200			Initialize thewait timer to 2 seconds LowerBound timer = pendingtime after trigger - 10% tolerance
13		+ IL_CheckRLC_PayLoadLower (1h 32)			
14		AM ?RLC_AM_DATA_IND (tov_RLCBuffer_PayLoad := RLC_AM_DAT A_IND.aM_message.uL_DCCH_Messag e.message.measurementReport.measure adResults.trafficVolumeMeasuredResults List_10[.rlc_BuffersPayload)	<pre>car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (14, ?, OMIT, OMIT, c_EventResults (dch: 1, e 4b)))</pre>		Step 7 in prose
		? TIMEOUT t_LowerBound		(P)	
14		_	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (Step 7 in prose
		A_IND.aM_message.uL_DCCH_Messag message.measurementReport.measur adResults.trafficVolumeMeasuredResults Sst.j0j.rtc_BuffersPayload)	14, ? , OMIT, OMIT, c_EventResults (dch: 1, e 4b)))		
14		e.message.measurementReport.measur			initialize thewait timer to 100 mseconds
15		e.message.measurementReport.measur dResults.trafficVolumeMeasuredResults (st.)0j.rtc_BuffersPayload) START t_WaitMS(1000 + tcv_Wait			Initialize thewait timer to 100 mseconds

19	AM TRLC_AM_DATA_IND (car_MeasurementReport (tsc_CellDedicater tfv_RLCBuffer_PayLoad := RLC_AM_DAT tsc_RB2, cdr_MeasReportTraffcVolume A_IND aM_message uL_DCCH_Messag e.message.measurementReport.measur egResults.trafficVolumeMeasuredResults List_0Trle_BuffersPayload)	0	Step 7c in prose
20	CANCEL t WatMS		
21	r(#s2) + IL_CheckRLC_PayLoadLow		
22	+ ts_TC_OpenUE_TestLoop (tsc_CellA)		
23	+ ts_TC_DeactivateRB_Test Mode (tsc_CellA)		@sic Thomas ER1751 sic@
24	+ts_C3_CheckCeIIDCH (ts c_CeIIA)		Step 8
25	TBE (1tv_TestBody := FALSE)	(P)	

25	TBE	(1cv_TestBody >= FALSE)		(P)	
It_C	heckF	irstMeasReport(pTimer : INTEGER)			
٥		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))		
1	Loop 1	AMIRLC_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, ts c_R820, c_TrD_Data (tcv_R8_Data1))		@sic Thomas ER1752 sic@
3		->Loop1			
2		AM-PREC_AM_DATA_IND (car_MeasurementReport (tsc_CellDedicated,	(P)	Step 4 in prose
	1	tcv_RLCBuffer_PayLoad = RLC_AM_DAT			
	1	A_IND.aM_message.uL_DCCH_Messag			
- 1	1		cdr_MeasReportTrafficVolume (15, ?, OMIT, O		
		edResults.trafficVolumeMeasuredResults List_[0].rlc_BuffersPayload)	MIT, c_EventResults (dch : 1, e4a)))		
3		CANCEL L WaitMS			
4		START (_LowerBound (pTimer)			
5		+#_CheckRLC_PayLoadUppenth266)			
6		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	
7		AM ? RLC_AM_TestDataind	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))		
2		? TIMEOUT t_WaitMB		(F)	
0		AM 2BLC_AM_DATA_IND(car_MeasurementReport (tsc_CellDedicated,	(P)	
		ttv_RLCBuffer_PayLoad = RLC_AM_DAT			
		A_IND.aM_message.uL_DCCH_Messag			
1	1	-	cdr_MeasReportTrafficVolume (15, ?, OMIT, O		
		edResults.trafficVolumeMeasuredResults List.[0].rlc_BuffersPayload)	MIT, c_EventResults (dch : 1, e4a)))		
1		CANCEL 1_WaitMS			
2		START t_LowerBound (pTimer)			
3		CheckRLC_PayLoadUpper(th256)			
4		AM ? RLC_AM_TeotDataind	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))		
5		AM 7 RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))		

New LocalTree

t_C	heckM	easReport_Periodic			
0	Loop 2	AM I 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, ts c_RB20, c_TrD_Data (tcv_RB_Data1))		
2		->Loop2			
1		AM ?RLC_AM_DATA_IND(tcv_RLCBuffer_PayLoad := RLC_AM_DAT A_IND.aM_message.uL_DCCH_Messag e.message.measurementReport.measur edResults.trafficVolumeMeasuredResults List_j0[.rlc_BuffersPayload)	cdr_MeasReportTrafficVolume (15, ?, OMIT, O		Step 4 in prose Meas report received before T_Lowerbound Timer expiry
1		? TIMEOUT t_LowerBound		(P)	
2		AM ? RLC_AM_DATA_IND(tov_RLCBuffer_PayLoad := RLC_AM_DAT A_IND.aM_message.uL_DCCH_Messag e.message.measurementReport.measur edResults.trafficVolumeMeasuredResults List_j0j.rlc_BuffersPayload)	car_MeasurementReport (tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume (15, ? , OMIT, O MIT, c_EventResults (dch : 1, e4a)))		Step 4 in prose
3		+ It_CheckRLC_PayLoadUpper(th256)			
4		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_R8_Data1))	(P)	
2		AM ? RLC_AM_TestDataInd	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))	(P)	
3	Loop 3	AMIRLC_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, ts c_RB20, c_TrD_Data (tcv_RB_Data1))		
5		+>Loop3			
4		edResults.trafficVolumeMeasuredResults List.j0j.rtc_BuffersPayload)	car_MeasurementReport(tsc_CellDedicated, tsc_RB2, cdr_MeasReportTrafficVolume(15, ?, OMIT, 0 MIT, c_EventResults(dch:1, e4a)))		Step 4 in prose
5		+ It_CheckRLC_PayLoadUpper(th256)			
6		AM ? RLC_AM_TestDataind	car_RLC_AM_DataInd (tsc_CellDedicated, ts c_RB20, c_TrD_Data (tcv_RB_Data1))	(ም)	

It Che	kMeasRep	ort(pTimer : INTEGER)			
0		START t_WaitMS (pTimer)			
1 (Loop4	AM I RLC_AM_TestDataReq	cas_RLC_AM_DataReq (tsc_CellDedicated, tsc _RB20, c_TrD_Data(tcv_RB_Data1))		@sic Thomas ER1752 si ജെ
2		AM ? RLC_AM_TestDataind	car_RLC_AM_DataInd (tsc_CellDedicated, tsc_ RB20, c_TrD_Data (tcv_RB_Data1))		@sic Thomas ER1752 si c@
3		->Loop4			@sic Thomas ER1753 si c@
2		? TIMEOUT LWaitMS		(F)	
2		AM_2RLC_AM_DATA_IND(tov_RLCBuffer_PayLoad := RLC_AM_DATA _IND.aM_message.uL_DCCH_Message.m essage measurementReport measuredRe suits trafficVolumeMeasuredResultsList (0) -tc_B0ffersPayload ()	tac_RB2, cg_MeasReportTrafficVolume (15, ?, OMIT, OM	P	Step 4 in prose
3		 It_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 si c@

New LocalTree

1.00				
It	_CheckRLC_PayL	oadUpper(UpperTreshold :TrafficVolumeThreshold)		
0	1	[tcv_RLCBuffer_PayLoad >UpperTreshold]	(P)	Need to check that RLCB uffer payload in Meas rep ort is greater than Report ing threshold
0)	[TRUE]	(F)	

New LocalTree

lt_CheckRL 0	C_PayLoadLower(LowerTreshold :TrafficVolumeThreshold) [tzv_RLCBuffer_PayLoad < LowerTreshold]	(P)	Need to check that RLCB uffer payload in Meas rep ort 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	 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				
(f rb_Identitytsc_RB20 ric_BuffersPayload averageRLC_Buffer	neasurementReport.measuredResults.trafficVolumeMeasuredResultsListBY p_RLC_BuffersPayload, Payload p_AverageRLC_BufferPayload, ferPayload p_VarianceOfRLC_BufferPayload				
r EPLACE message.measurementReport.measuredResultsOnRACH BY *, EPLACE message.measurementReport.additionalMeasuredResults BY *					

		(HANGE	REQ	UEST			CR-Form-v7
ж	TS 34.1	<mark>23-3</mark> CR	421	жrev	- #	Current vers	^{ion:} 3.6.1	Ħ
For <u>HEL</u>	. <mark>P</mark> on using	this form, see	bottom of this	page or l	ook at th	e pop-up text	over the X syr	mbols.
Proposed c	hange affeo	ts: UICC a	pps೫	ME X	Radio A	ccess Networ	rk Core Ne	etwork
Title:	ж <mark>Cor</mark>	rection to RR	C TC 8.2.3.8 ir	ts_RRC	_Receive	RB_SetupCm	npl.	
Source:	<mark>೫ Anit</mark>	e						
Work item o	code:					<i>Date:</i> ೫	17/08/04	
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Reason for	change: 郑	It_Ciphe It_SS_C on. 2. In test st	ep ts_RRC_R ng has been s	ERAB, CS AB_UL_C eceiveRB	6 domain 0L. Instea _SetupC	ciphering key d PS domain mpl line 9, the		to check
Summary o	f change: ೫	It_Ciphe It_SS_C		_RAB, PS AB_UL_C	6 domain PL.	ciphering key		check for
Consequen not approve		Test case w	ll fail a complia	ant UE wh	en run in	Ciphered mo	ode.	
Clauses aff	ected: भ							
Other spec: affected:	s ¥	X Test	core specifica specifications Specifications		ж			
Other comm	nents: ೫							

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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	It_CipheringStartedAM_RAB
Reason for change	In test step ts_RRC_ReceiveRB_SetupCmpl in local test step It_CipheringStartedAM_RAB, CS domain ciphering key is passed to It_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 It_SS_CipheringAM_RAB_UL_DL.
Source of change	New change

Before:

It_Cipherin	ngStartedAM_RAB				
19	TBF3	? TIMEOUT t_WaitMB		(F)	
20	TSP3	AM ?RLC_AM_DATA_IND (tcv_Cellindinfo.uL_CipherMode := RLC_AM_DATA_IND.aM_message. uL_DCCH_Message.message.radi oBearerSetupComplete.rb_UL_Cip hActivationTimeInfo) CANCEL 1_WaitMS	tsc_RB2, cr_RRC_RB_Set UpCmpINoStartVal (tcv_RR		No start value RB UL cipher not presen t
21		+ It_SS_CipheringAM_RAB_UL_DL (tov_AuthCK)			
22	TSP4	AM ?RLC_AM_DATA_IND (tcv_Cellindinto.start_PS := RLC_A M_DATA_IND.aM_message.uL_DC CH_Message.message.radioBeare rSetupComplete.start_Value, tcv_Cellindinto.uL_CipherMode := R LC_AM_DATA_IND.aM_message.u L_DCCH_Message.message.radio BearerSetupComplete.rb_UL_Ciph ActivationTimeInfo) CANCEL t_WaitMS	ellDedicated, tsc_RB2, cbr_108_RB_Set UpCmpl (tov_RRC_Ti, OMI T,*))		A new start value is provi ded A RB UL cipher is not pre sent
23		+ It_SS_CipheringAM_RA8_UL_DL (trv_AuthCK)			

After:

It_CipheringStartedAM_RAB TSF3 ? TIMEOUT t_WaitMS 19 Ð 20 TSP3 car_RB_SetUpCmpI (tsc_C (P) AM ?RLC_AM_DATA_IND No start value (tcv_CellIndInfo.uL_CipherMode := ellDedicated, RB UL cipher not presen RLC_AM_DATA_IND.aM_message. tsc_RB2, cr_RRC_RB_Set t uL_DCCH_Message.message.radi UpCmplNoStartVal (tcv_RR oBearerSetupComplete.rb_UL_Cip C_Ti, OMIT,*)) hActivationTimeInfo) CANCEL t_WaitMS 21 + It_SS_CipheringAM_RAB_UL_DL (tov_PS_AuthCk) AM ?RLC_AM_DATA_IND 22 TSP4 car_RB_SetUpCmpI (tsc_C (P) A new start value is provi (tcv_CellIndInfo.start_PS := RLC_A ellDedicated, ded M_DATA_IND.aM_message.uL_DC_tsc_RB2, cbr_108_RB_Set A RB UL cipher is not pre CH_Message.message.radioBeare UpCmpl (tcv_RRC_Ti, OMI sent rSetupComplete.start_Value , tcv_CellIndInfo.uL_CipherMode := R T,*)) LC_AM_DATA_IND.aM_message.u L_DCCH_Message.message.radio BearerSetupComplete.rb_UL_Ciph ActivationTimeInfo) CANCEL t_WaltMS + ILSS_CipheringAM_RAB_UL_DL (trv_PS_AuthCK) 23

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

		Test Step			
TestS	itep ld:	ts_RRC_ReceiveRB_SetupCmpI (p_CellId : INTEGER; p_RbType: RB_C	onfigType)		
Tests	Step Group	Ref. BasicM_RRC_Steps/			
Objective: To receive RADIO BEARER SETUP COMPLETE message and reconfigure		SS according to th	e receive	d information element valu	
	es.				
Defau	lts:	RRC_Deft			
Comr	nents:				
Nr	Label	Behaviour Description	Constraint Ref	Verd	Comments
1		+ ts_SefTmpCellInfo (p_Cellid)			
2		START L WaitMS			
3		[(p_RbType = cell_DCH_Speech) OR (p_RbType = cell_DCH_64kCS_RAB_SRB) OR (p_RbType = cell_DCH_67_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 in)) OR ((p_RbType = cell_DCH_DSCH_CS_PS) AND (tcv_CN_Domain = cs_domain in)) OR			TM RAB
4		[(tcv_Cellindinfo.cs_cipheringStarted = TRUE) AND(tcv_Cellindinfo.recent SecureDomain = cs_domain)]			
5		+ It_CipheringStartedTM_RAB			
6		[tcv_CelIndinfo.cs_cipheringStarted = FALSE]			
7		+ It_CipheringNotStartedTM_RAB			
8		[TRUE]	_		AM/UM RAB
9		[((tcv_Cellindinfo.cs_cipheringStarted = TRUE) AND (tcv_Cellindinfo.rece ntSecureDomain = cs_domain)) OR ((tcv_Cellindinfo.ps_cipheringStarted = TRUE) AND(tcv_Cellindinfo.recentSecureDomain = ps_domain))]			
10		+ It_CipheringStartedAM_RAB			
11		[TRUE]			
12		+ It_CipheringNotStartedAM_RAB			

After:

		Test Step			
Test Step Id: ts_RRC_ReceiveRB_SetupCmpl (p_CellId : INTEGER; p_RbType:RB_C Test Step Group Ref: BasicM_RRC_Steps/ Objective: To receive RADIO BEARER SETUP COMPLETE message and reconfigure es.			e receive	d information element value	
Defau	its:	RRC_Def1			
Comn	nents:				
Nr	Label	Behaviour Description	Constraint Ref	Verd	Comments
1		+ ts_SetTmpCellinfb (p_Celld)			
2		START L WaitMS			
3		<pre>[(p_RbType = cell_DCH_Speech) OR (p_RbType = cell_DCH_64kCS_RA8_SRB) OR (p_RbType = cell_DCH_67_6kCS_RA8_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_Four_DTCH_PS_CS) AND (tcv_CN_Domain = cs_domain)) OR ((p_RbType = cell_DCH_DSCH_CS_PS) AND (tcv_CN_Domain = cs_domain))]</pre>			TM RAB
4		[(tcv_Cellindinfo.cs_cipheringStarted = TRUE) AND(tcv_Cellindinfo.recent SecureDomain = cs_domain)]			
5		+ It_CipheringStartedTM_RAB			
6		[tcv_CelIndinfo.cs_cipheringStarted = FALSE]			
7		+ It_CipheringNotStartedTM_RAB			
8		[TRUE]			AM/UM RAB
9		[(txv_CellIndInfo.ps_cipheringStarted = TRUE) AND(txv_CellIndInfo.recent tSecureDomain = ps_domain)[]	h		
10		+ It_CipheringStartedAM_RAB			
11		[TRUE]			
12		+ It CipheringNotStartedAM RAB			