Source: **T1**

Title: **TTCN CR to TS 34.123-3 v3.4.0 for approval**

Agenda item: **5.1.3**

Document for: **Approval**

This document contains the CRs to TS 34.123-3 v.3.4.0 TTCN part. These CRs have been agreed by T1 and are put forward to TSG T for approval. They all apply to Release 99.

Tdoc#	Title	CR#	rev	Cat	version in	Version out	TC#
T1-031926	To add verified GCF package 1 RRC test case 8.3.1.3 to the approved RRC ATS V3.4.0	232		B	3.4.0	3.5.0	8_3_1_3
T1s040002	Addition of RAB test case 14.2.26 to RAB ATS V3.4.0	171		B	3.4.0	3.5.0	14_2_26
T1s040004	Addition of RAB test case 14.2.4 to TS 34.123-3, V3.4.0	172		B	3.4.0	3.5.0	14_2_4
T1-031823	Addition of RRC test case 8.3.2.1 to RRC ATS V3.4.0	205		B	3.3.0	3.5.0	8_3_2_1
T1-031825	Addition of RRC test case 8.3.2.4 to RRC ATS V3.4.0	206		B	3.3.0	3.5.0	8_3_2_4
T1-031909	Addition of RRC test case 8.3.1.31 to RRC ATS V3.4.0	224		B	3.3.0	3.5.0	8_3_1_31
T1-031755	Addition of NAS test case 9.1 to NAS ATS V3.4.0	152		B	3.3.0	3.5.0	9_1
T1-031757	Addition of NAS test case 9.2.2 to NAS ATS V3.4.0	153		B	3.3.0	3.5.0	9_2_2
T1-031759	Addition of NAS test case 9.4.1 to NAS ATS V3.4.0	154		B	3.3.0	3.5.0	9_4_1
T1-031761	Addition of NAS test case 9.4.2.1 to NAS ATS V3.4.0	155		B	3.3.0	3.5.0	9_4_2_1
T1-031763	Addition of NAS test case 9.4.2.4.1 to NAS ATS V3.4.0	156		B	3.3.0	3.5.0	9_4_2_4_1
T1-031765	Addition of NAS test case 9.4.4 to NAS ATS V3.4.0	157		B	3.3.0	3.5.0	9_4_4
T1-031767	Addition of NAS test case 9.4.5.3 to NAS ATS V3.4.0	158		B	3.3.0	3.5.0	9_4_5_3
T1-031771	Addition of RRC test case 8.3.7.1 to RRC ATS V3.4.0	159		F	3.4.0	3.5.0	8_3_7_1
T1-031918	Addition of RRC test case 8.3.7.2 to RRC ATS V3.4.0	160		F	3.4.0	3.5.0	8_3_7_2
T1-031772	Addition of RRC test case 8.3.7.4 to RRC ATS V3.4.0	161		F	3.4.0	3.5.0	8_3_7_4
T1-031936	Addition of NAS test case 12.2.2.1 to NAS ATS V3.4.0	210		B	3.4.0	3.5.0	12_2_2_1
T1-031937	Addition of NAS test case 12.4.3.1 to NAS	211		B	3.4.0	3.5.0	12_4_3_1

	ATS V3.4.0						
T1-031938	Addition of NAS test case 12.2.1.3 to NAS ATS V3.4.0	222		B	3.4.0	3.5.0	12_2_1_3
T1-031939	Addition of RRC test case 8.2.2.19 to RRC ATS V3.4.0	221		B	3.4.0	3.5.0	8_2_2_19
T1-031940	Addition of RRC test case 8.4.1.17 to RRC ATS V3.4.0	220		B	3.4.0	3.5.0	8_4_1_17
T1s040029	Addition of NAS test case 12.2.1.7 to NAS ATS V3.4.0	162		B	3.4.0	3.5.0	12_2_1_7
T1s040033	Addition of RAB test case 14.2.27 to RAB ATS V3.4.0	163		B	3.4.0	3.5.0	14_2_27
T1-031745	Introducing test case 12_6_1_1 to NASv330	164		F	3.3.0	3.5.0	12_6_1_1
T1-031733	Introducing test case 8.3.1.1 to RRCv340	184		F	3.4.0	3.5.0	8_3_1_1
T1-031747	Introducing test case 8.2.4.3 to RRCv330	165		F	3.3.0	3.5.0	8_2_4_3
T1-031749	Introducing test case 8.2.4.4 to RRCv330	166		F	3.3.0	3.5.0	8_2_4_4
T1-031797	Introducing test case 8.3.1.22 to RRCv340	192		F	3.4.0	3.5.0	8_3_1_22
T1-031932	Introducing test case 8.2.2.18 to RRCv340	195		F	3.4.0	3.5.0	8_2_2_18
T1-031930	Introducing test case 12_4_2_1 to NASv340	234		F	3.4.0	3.5.0	12_4_2_1
T1s040087	Introducing test case 8.3.1.4 to RRCv340	233		F	3.4.0	3.5.0	8_3_1_4
T1s040088	Revised CR for Changes to Introducing test case 8.2.6.9 required for approvalto RRCv340	216		F	3.4.0	3.5.0	8_2_6_9
T1s040049	Introduction of Package 2 test case 8.3.1.21	167		F	3.4.0	3.5.0	8_3_1_21
T1-031827	Addition of RRC test case 8.3.2.7 to RRC ATS V3.4.0	207		B	3.3.0		8_3_2_7
T1s040025	Addition of NAS test case 9.4.2.2.1 to NAS ATS V3.4.0	168		B	3.4.0	3.5.0	
T1s040027	Addition of NAS test case 9.4.2.2.2 to NAS ATS V3.4.0	169		B	3.4.0	3.5.0	
T1s040014	Addition of NAS test case 9.4.9 to NAS ATS V3.4.0	170		B	3.4.0	3.5.0	
T1s040082	Addition of NAS test case 9.4.2.5 to NAS ATS V3.4.0	171		B	3.4.0	3.5.0	
T1s040071	Correction to RRC Package 1 TC 8.2.1.8 and 8.2.1.9 for the mismatch between Radio Bearer setup and PDP context Activation Accept message	172		F	3.4.0	3.5.0	
T1-031913	Validation of TMSI status in ATTACH REQUEST message for tc 12.3.1.5	226		F	3.3.0	3.5.0	
T1-031914	Validation of optional old PTMSI signature in ATTACH REQUEST message for tc 12.2.1.1	227		F	3.3.0	3.5.0	
T1-031842	Incorrect timer poll value used for SS RLC transmit entity in tcs 8.2.1.8, 8.2.1.9 (Revision of T1-031782)	173		F	3.3.0	3.5.0	
T1-031921	Correction of Poll bit checking in tc 7.2.3.13 (Revision of T1-031839)	174		F	3.3.0	3.5.0	
T1-031922	Validation of CS CKSN in paging response in tc 9.2.1	230		F	3.3.0	3.5.0	
T1-031924	Modification to Radio Bearer Release message in tc 8.2.3.18 and 8.2.3.19	175		F	3.3.0	3.5.0	
T1-031925	Maximum allowed UL TX power should not be present in tcs 8.2.2.8, 8.2.2.9 and 8.2.2.23	176		F	3.3.0	3.5.0	
T1-031787	New C-RNTI should not be present in tc 8.2.6.20	177		F	3.3.0	3.5.0	
T1-031788	Unnecessary waiting time for reconfiguration in tc 8.2.2.23	178		F	3.3.0	3.5.0	
T1-031795	Modification to validate TI flag and TI value in TCs 11.3.1 and 11.3.2	179		F	3.3.0	3.5.0	

T1-031841	Change U-RNTI and remove UTRAN DRX cycle length coefficient tc 8.3.3.1	180		F	3.3.0	3.5.0
T1-031786	Corrections of Status PDU checking in tc 7.2.3.34	181		F	3.3.0	3.5.0
T1-031789	Correction of number of negatively acknowledged PDUs in tc 7.2.3.16	182		F	3.3.0	3.5.0
T1-031790	Correction of sequence number checking and Verdict assessments in tc 7.2.3.17	183		F	3.3.0	3.5.0
T1-031791	Poll Bit and Status PDU content checking in tc 7.2.3.14	184		F	3.3.0	3.5.0
T1-031792	Additional verdicts assigned in tc 7.2.3.20	185		F	3.3.0	3.5.0
T1-031794	SERVICE ACCEPT message NOT to be sent to UE in GMM idle state in tc 11.3.1 and 11.3.2	186		F	3.3.0	3.5.0
T1-031778	Change to performing integrity protection in tc 12.2.1.1	187		F	3.3.0	3.5.0
T1-031781	Correction of Poll bit checking in tc 7.2.3.18	188		F	3.3.0	3.5.0

CR-Form-v7

CHANGE REQUEST

⌘ **TS34.123-3** **CR** **164** ⌘ **rev** **1** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Test Case tc_12_6_1_1
Source:	⌘	Anritsu Ltd
Work item code:	⌘	***Date:*** ⌘ 18/11/2003
Category:	⌘	**F** ***Release:*** ⌘ R99

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

Use one of the following releases:

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

Reason for change:	⌘	To introduce test case tc_12_6_1_1 to NASv330
Summary of change:	⌘	Apply the changes described in section 2 below to NAS_wk44 in iWD-TVB2003-03_D03wk44. Add tc_12_6_1_1 and all referenced test cases not already present to RRCv330 from the modified NAS_wk44. For more details see below.
Consequences if not approved:	⌘	Test case tc_12_6_1_1 will not be added

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

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

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

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

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

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

ANRITSU LIMITED

TSG-T WG 1 E-mail Approval T1-031745

Hyderabad, India **2 – 6 February 2004**

Title	Introducing test case 12_6_1_1 to NASv330
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1 Overview

This document details the changes needed introduce test case tc_12_6_1_1 to NASv330. 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 5.5.0 TS34.108 version 3.d.0
Referenced CRs	None
Integrity	Enabled
Ciphering	Disabled
Path tested	PS (Mode A)

2 Modofications to iWD-TVB2003-03_D03wk44

2.1 Explanation of changes

An incorrect constraint was used for receiveing the Authentication Response parameter (extension) IE in the Authentication and Ciphering Response message. This has been corrected in line 34 of tc_12_6_1_1.

At step 12 Integrity is started without a new authentication procedure, it is therefore necessary to use the Start parameter from the Initial Direct Transfer message. The testcase used ts_GMM_StartIntegrityProtection which calls ts_RRC_Security with the parameters applicable when the start value is reset to 0 after authentication. tc_12_6_1_1 line 43 has been changed to call ts_RRC_Security directly with the appropriate parameters.

2.2 Detail of changes to tables

2.2.1 Test Case tc_12_6_1_1

Test Case Name		tc_12_6_1_1			
Group		GMM/Authentication_and_ciphering/			
Purpose		To test the behaviour of the UE if the network accepts the authentication and ciphering procedure			
Configuration					
Default		NAS_OtherwiseFail			
Comments		Initial conditions - SS : Two cells operating in network operation mode II - UE : The UE has a valid IMSI			
Selection Ref		GMM_SelExp01			
Description		PS authentication and ciphering / Authentication accepted			
Nr	**Label**	**Behaviour Description**	**Constraints Ref**	**Verdict**	**Comments**
1		START t_Guard(300)			
2		+ts_InitVariables			
3		(tcv_CellInfoA.nmo := tsc_NMO_II, tcv_CellInfoB.attenuationLevel := tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoB.nmo := tsc_NMO_II, tcv_CellInfoB.rac := tsc_RAC_2, tcv_CellInfoB.attFlag := tsc_AttOff)			Test case specific cell settings
4		+ts_GMM_Config_CellA_CellB			Configure cell A and cell B
5		+ts_GMM_AttachReject (tsc_CellA)			Invalidate temporary USIM paramters
6		(tcv_CellInfoA.attFlag := tsc_AttOff)			

7		+ts_SysInfoModifyMM(tsc_CellA, tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tcv_CellInfoA.lac, tcv_CellInfoA.attFlag, tcv_CellInfoA.t3212, tcv_CellInfoA.rac, tcv_CellInfoA.nmo)			Modify SIB1 to set ATT flag to 0 (disable CS registration at turn on, CR T1-030101, Jan-03)
8		+ts_GMM_SwitchOff_AfterPSRejection (tsc_CellA, tcv_CellInfoA.attFlag)			
9		[px_SupportOpModeC]			Set UE in operation mode C if supported
10		+ts_MMI_SetOpModeC			
11		+lt_TestBody			
12		+po_ConnectionAndSS_Rels			
13		[pc_SupportOpModeA]			Step 18: Repeat test body in UE operation mode A (if UE supports this mode supported).
14		+ts_MMI_SetOpModeA			
15		+lt_TestBody			
16		+po_ConnectionAndSS_Rels			
17		[TRUE]			do nothing
18		[(NOT px_SupportOpModeC) AND pc_SupportOpModeA]			If operation mode C is not supported but operation mode A is supported
19		+ts_MMI_SetOpModeA			Set UE in operation mode A
20		+lt_TestBody			
21		+po_ConnectionAndSS_Rels			
		lt_TestBody			
22		(tcv_TestBody := TRUE)		(P)	
23		+ts_MMI_UE_SwitchOnTriggerGMM_Attach			Switch on UE and attempt to initiate the attach procedure.
24		+ts_RRC_ConnEst(tsc_CellA, est_Reg, registration)			
25		+lt_Attach_Steps_4To9			
26		+lt_Activate_CellB			Step 10
27		+lt_RAUpd_11To14			
28		+ts_GMM_DetachOnSwitchOff (tsc_CellB)			Steps 15 to 16
29		+lt_Activate_CellA			Step 17. Prepare for repetition in operation mode A (if supported)
		lt_Attach_Steps_4To9			
30		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachReq (		Step 4. ATTACH REQUEST

			c_GMM_AttachTypePS_Only, c_MobileIdIMSI_lv, ?, -, tcv_PS_KeySeq))		- Attach type is 'PS attach' - Mobile Id = IMSI
31		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
32		+ts_GMM_AuthenticationInit			Compute authentication paramters including tcv_PS_AuthCK and tcv_PS_AuthIK
33		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AuthAndCiphReq (c_GMM_AuthRAND(tcv_AuthRAND), c_GMM_KeySeq_tv(tcv_PS_KeySeq), c_GMM_AuthAUTN(tcv_AuthAUTN)))		Step 5. AUTHENTICATION AND CIPHERING REQUEST using relevant PS keys computed before.
34		Dc ? RRC_DataInd (tcv_TmpAuthAndCiphRspPDU := RRC_DataInd.msg, tcv_AuthRsp := tcv_TmpAuthAndCiphRspPDU.authRsp.value, tcv_AuthRspExt := tcv_TmpAuthAndCiphRspPDU.authRspExt)	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, ~~cr_AuthAndCiphRsp(c_AuthRspAny_tv,c_AuthRspExtAny)~~ cr_AuthAndCiphRsp(c_AuthRspAny_tv,c_AuthCiphRspExtAny))		Step 6. AUTHENTICATION AND CIPHERING RESPONSE including Authentication Response paramters (RES)
35		+lt_Verify_RES			Step 7. Verify that the received Authentication Response (RES) matches expected response.
36		+ts_GMM_StartIntegrityProtection (tsc_CellA)			
37		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_2, tcv_Assigned_PTMSI_Sig := px_PTMSI_Sig2)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_AttachAcc(c_GMM_AttachResultPS_Only, c_RAI_Def_v, c_PTMSI_Signature (px_PTMSI_Sig2), c_MobileIdPTMSI (px_PTMSI_2), -))		Step 8. ATTACH ACCEPT - Attach result 'PS attached' - RAI default (RAI-1) - P-TMSI-2 signature - MobileId P-TMSI-2
38		Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachComplete)		Step 9. ATTACH COMPLETE
39		+ts_RRC_ConnRel(tsc_CellA, cell_Dch)			
		lt_RAUpd_11To14			
40		+ts_RRC_ConnEst(tsc_CellB, est_Reg, registration)			(Step 10a)
41		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_RA_UpdReq2 (c_GMM_UpdateTypeRA_Updating, c_RAI_Def_v, c_PTMSI_Signature (px_PTMSI_Sig2), *,		ROUTING AREA UPDATING REQUEST - Update type = 'RA updating' - RAI-1

			c_GMM_KeySeq(tcv_PS_KeySeq)))		- P-TMSI-2 signature - and PS-CKSN as assigned previously during authentication
42		+ ts_SS_SecurityDownloadStart (ps_domain, tcv_Start)			
43		~~+ts_GMM_StartIntegrityProtection (tsc_CellB)~~+ ts_RRC_Security (tsc_CellB, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)			Integrity protection is started
44		Dc ! RRC_DataReq (tcv_AssignedPTMSI := px_PTMSI_Def, tcv_Assigned_PTMSI_Sig := px_PTMSI_SigDef)	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_RA_UpdAcc(c_GMM_UpdateResultRA_Updated, c_RAI_v(tsc_MCC_Def, tsc_MNC_Def, tsc_LAC_Def, tsc_RAC_2), c_PTMSI_Signature (px_PTMSI_SigDef), c_MobileIdPTMSI (px_PTMSI_Def), -))		ROUTING AREA UPDATING ACCEPT - Update result = 'RA updated' - RAI corresponding to cell B - P-TMSI-1 - P-TMSI-1 signature
45		Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cs_RA_UpdComplete)		ROUTING AREA UPDATING COMPLETE
46		+ts_RRC_ConnRel(tsc_CellB, cell_Dch)			
		It_Verify_RES			
47		(tcv_Res := o_AuthRspChk(tcv_AuthRsp, tcv_AuthRspExt, tcv_AuthK, tcv_AuthRAND, TRUE))			Verify that the received Authentication Response paramters match expected response.
48		[tcv_Res = FALSE]		F	Authentication response (RES) sent by the UE do not match expected values.
49		[tcv_Res = TRUE]		(P)	
		It_Activate_CellB			
50		+ts_SS_DecrementCellPowerLevel (tsc_CellA, tsc_AttenuationNonSuitableNeighbourCell - tsc_AttenuationServingCell)			Lower power level cell A
51		+ts_SS_IncrementCellPowerLevel (tsc_CellB, tsc_AttenuationNonSuitableNeighbourCell - tsc_AttenuationServingCell)			Activate cell B
		It_Activate_CellA			
52		+ts_SS_DecrementCellPowerLevel (tsc_CellB, tsc_AttenuationNonSuitableNeighbourCell - tsc_AttenuationServingCell)			Lower power level cell B
53		+ts_SS_IncrementCellPowerLevel (tsc_CellA, tsc_AttenuationNonSuitableNeighbourCell - tsc_AttenuationServingCell)			Activate cell A

3GPP TSG-T1~~/SIC~~ Meeting #22 ***T1 ⌘031747~~03xxxx~~***
Hyderabad, India, 2 – 6 February 2004

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ~~ATS~~TS34.123-3	CR	165~~03xx xx~~	⌘ rev	-~~1~~	⌘	Current version:	3.3.0	⌘

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

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

Title:	⌘	Test Case 8.2.4.3
Source:	⌘	Anritsu Ltd
Work item code:	⌘	***Date:*** ⌘ 19/11/2003
Category:	⌘	**F** ***Release:*** ⌘ R99

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

Use one of the following releases:

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

Reason for change:	⌘	To introduce test case 8.2.4.3 to RRCv330
Summary of change:	⌘	Apply the changes described in section 2 below to RRC_wk44 in iWD-TVB2003-03_D03wk44. Add tc_8_2_4_3 and all referenced test cases not already present to RRCv330 from the modified RRC_wk44. For more details see below.
Consequences if not approved:	⌘	Test case 8.2.4.3 will not be added

Clauses affected:	⌘	N/A

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

Other comments: ⌘

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

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

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

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

Anritsu

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-mail Approval

T1-031747~~2(8.1.1.8)~~

Hyderabad, India 2 – 6 February 2004

Title	~~Changes to~~ Introducing test case 8.2.4.3 ~~required for approval~~to RRCv330
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ introduce test case 8.2.4.3 to RRCv330. 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 5.5.0 TS34.108 version 3.d.0
Referenced CRs	None
Integrity	Enabled
Ciphering	Disabled
Paths tested	PS, CS

~~2.3~~2 Modifications to iWD-TVB2003-03_D03wk44

~~2.4~~2.1 Tables Deleted

None.

~~2.4~~2.2 New Tables Added

None.

2.3 Tables Modified

2.3.1 cs_MeasurementControlTrafficVolumeSetup_Sin

Reason for change:

a) Traffic Volume Measurement Quantity is given the value of parameter p_TrafficVolMeasQty which is omitted. According to 25.331 (sub-clause 10.3.7.71), however, the first IE of Traffic Volume Measurement Quantity is mandatory (even though will be ignored).

b) The Keyword DEFAULT is in the definition and must not be used in the constraint

Summary of change:

a) Replace p_TrafficVolMeasQty by rlc_BufferPayload:NULL as value to trafficVolumeMeasQuantity field in this constraint.

b) Remove the Keyword DEFAULT from reportingAmount field

Change From:

Constraint Name	cs_MeasurementControlTrafficVolumeSetup_Sin (p_IntegrityInfo : IntegrityCheckInfo ; p_RRC_TI: RRC_TransactionIdentifier; p_MeasurementId : MeasurementIdentity; p_TrafficVolMeasQty: TrafficVolumeMeasQuantity; p_RB_BuffPayload: BOOLEAN; p_RB_BuffPayloadAvrg: BOOLEAN; p_RB_BuffPayloadVar: BOOLEAN; p_MeasValidity: MeasurementValidity; p_PeriodicalOrEventTrigger : PeriodicalOrEventTrigger)
PDU Type	DL_DCCH_Message
Derivation Path	
Encoding Rule Name	PER_Unaligned
Encoding Variation	
Comments	Measurement Control Command to trigger an '1f' event triggered event, for cell 2, used in test case 8.4.1
Constraint Value	
{	

```
integrityCheckInfo p_IntegrityInfo,
message measurementControl : r3:{
  measurementControl_r3 {
    rrc_TransactionIdentifier p_RRC_TI,
    measurementIdentity p_MeasurementId,
    measurementCommand setup : trafficVolumeMeasurement :
    {
      trafficVolumeMeasurementObjectList { dch: 5 },
      trafficVolumeMeasQuantity  p_TrafficVolMeasQty,
      trafficVolumeReportingQuantity {
        rlc_RB_BufferPayload p_RB_BuffPayload,
        rlc_RB_BufferPayloadAverage                 p_RB_BuffPayloadAvrg,
        rlc_RB_BufferPayloadVariance                p_RB_BuffPayloadVar
      },
      measurementValidity p_MeasValidity,
      reportCriteria periodicalReportingCriteria :
      {
        reportingAmount  DEFAULT ra_Infinity,
        reportingInterval ril8
      }
    },
    measurementReportingMode
    {
      measurementReportTransferMode acknowledgedModeRLC,
      periodicalOrEventTrigger p_PeriodicalOrEventTrigger
    },
    additionalMeasurementList OMIT,
    dpch_CompressedModeStatusInfo OMIT
  },
  v390nonCriticalExtensions OMIT
 }
}
```

To:

Constraint Name	cs_MeasurementControlTrafficVolumeSetup_Sin (p_IntegrityInfo : IntegrityCheckInfo ; p_RRC_TI: RRC_TransactionIdentifier; p_MeasurementId : MeasurementIdentity; p_TrafficVolMeasQty: TrafficVolumeMeasQuantity; p_RB_BuffPayload: BOOLEAN; p_RB_BuffPayloadAvrg: BOOLEAN; p_RB_BuffPayloadVar: BOOLEAN; p_MeasValidity: MeasurementValidity; p_PeriodicalOrEventTrigger : PeriodicalOrEventTrigger)
PDU Type	DL_DCCH_Message
Derivation Path	
Encoding Rule Name	PER_Unaligned
Encoding Variation	
Comments	Measurement Control Command to trigger an '1f' event triggered event, for cell 2, used in test case 8.4.1

Constraint Value

```
{
 integrityCheckInfo p_IntegrityInfo,
 message measurementControl : r3:{
   measurementControl_r3 {
     rrc_TransactionIdentifier p_RRC_TI,
     measurementIdentity p_MeasurementId,
     measurementCommand setup : trafficVolumeMeasurement :
     {
       trafficVolumeMeasurementObjectList { dch: 5 },
       trafficVolumeMeasQuantity rlc_BufferPayload:NULL,
       trafficVolumeReportingQuantity {
         rlc_RB_BufferPayload                       p_RB_BuffPayload,
```

```
      rlc_RB_BufferPayloadAverage                p_RB_BuffPayloadAvrg,
      rlc_RB_BufferPayloadVariance               p_RB_BuffPayloadVar
    },
    measurementValidity p_MeasValidity,
    reportCriteria periodicalReportingCriteria :
    {
      reportingAmount  ra_Infinity,
      reportingInterval ril8
    }
  },
  measurementReportingMode
  {
    measurementReportTransferMode acknowledgedModeRLC,
    periodicalOrEventTrigger p_PeriodicalOrEventTrigger
  },
  additionalMeasurementList OMIT,
  dpch_CompressedModeStatusInfo OMIT
 },
 v390nonCriticalExtensions OMIT
}
}
```

2.3.2 cds_TrChReconf64k_PS_DCH_5_Restrict

Reason for change: Constraint uses settings defined in base constraint cbs_108_TrChReconf64k_PS. Base constraint uses:

dl_CommonTransChInfo c_DL_CommonTransChInfoSameAsUL but this uses incompatible TFCS with DL. Hence use the more compatible constraint:

c_DL_CommonTransChInfoDCH (c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Rx)

Summary of change: Add a REPLACE statement to change the value assigned to the field dl_CommonTransChInfo by c_DL_CommonTransChInfoDCH (c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Rx).

Change From:

Constraint Name	cds_TrChReconf64k_PS_DCH_5_Restrict (p_IntegrityCheckInfo : IntegrityCheckInfo; p_RRC_TI: RRC_TransactionIdentifier; p_Act_time:ActivationTime ; p_FreqInfo: FrequencyInfo; p_PrimaryScramblingCode : PrimaryScramblingCode; p_UL_ScramblingCode : UL_ScramblingCode)
PDU Type	DL_DCCH_Message
Derivation Path	cbs_108_TrChReconf64k_PS.
Encoding Rule Name	
Encoding Variation	
Comments	Default DPCH Offset value = 512 and DPCH frame offset = 1024 (4*256)
Constraint Value	
REPLACE message.transportChannelReconfiguration.r3.transportChannelReconfiguration_r3.ul_CommonTransChInfo BY c_UL_CommTrChInfoDCH_Restrict (tsc_UL_DCH5)	

To:

Constraint Name	cds_TrChReconf64k_PS_DCH_5_Restrict (p_IntegrityCheckInfo : IntegrityCheckInfo; p_RRC_TI: RRC_TransactionIdentifier; p_Act_time:ActivationTime ; p_FreqInfo: FrequencyInfo; p_PrimaryScramblingCode : PrimaryScramblingCode; p_UL_ScramblingCode : UL_ScramblingCode)
PDU Type	DL_DCCH_Message

Derivation Path	cbs_108_TrChReconf64k_PS.
Encoding Rule Name	
Encoding Variation	
Comments	Default DPCH Offset value = 512 and DPCH frame offset = 1024 (4*256)

Constraint Value

REPLACE message.transportChannelReconfiguration.r3.transportChannelReconfiguration_r3.ul_CommonTransChInfo BY c_UL_CommTrChInfoDCH_Restrict (tsc_UL_DCH5)

REPLACE message.transportChannelReconfiguration.r3.transportChannelReconfiguration_r3.dl_CommonTransChInfo BY c_DL_CommonTransChInfoDCH (c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Rx)

2.3.3 tc_8_2_4_3

Reason for change: The frequencyInfo IE must be present in Transport channel reconfiguration as per 34.108 clause 9 for the message sub-type titled as "Speech in CS" or "Non speech in CS" or "Packet to CELL_DCH from CELL_DCH in PS".

Summary of change: Add IE FrequencyInfo to constraints used in Transport channel reconfiguration local tree 'lt_SendTrChReconf' (ie: lines: 24, 26 and 28).

Change:

Test Case Name	tc_8_2_4_3
Group	RRC/RRC_TrCh_Reconf/
Purpose	To confirm that the UE reverts to the old configuration and transmits a TRANSPORT CHANNEL RECONFIGURATION FAILURE message on the DCCH using AM RLC, if the UE fails to reconfigure the new configuration according to a TRANSPORT CHANNEL RECONFIGURATION message.
Configuration	
Default	RRC_Def1
Comments	
Selection Ref	FDD_Mode
Description	Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
...		.....	.....		
		lt_SendTrChReconf			
23		[tcv_CellInfoA.cellConfig = cell_DCH_64kPS_RAB_SRB]			
24		AM ! RLC_AM_DATA_REQ	cas_TrChReconf (tsc_CellDedicated, tsc_RB2, cds_TrChReconf64k_PS_DCH_5_Restrict (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, OMIT, tcv_CellInfoB.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))		step 1 TFCS and TFS are changed
25		[tcv_CellInfoA.cellConfig = cell_DCH_64kCS_RAB_SRB]			
26		AM ! RLC_AM_DATA_REQ	cas_TrChReconf (tsc_CellDedicated, tsc_RB2, cds_TrChReconf64k_CS_DCH_5_Restrict (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, OMIT, tcv_CellInfoB.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))		step 1 TFCS and TFS are changed

27		[tcv_CellInfoA.cellConfig = cell_DCH_57_6kCS_RAB_SRB]			
28		AM ! RLC_AM_DATA_REQ	cas_TrChReconf (tsc_CellDedicated, tsc_RB2, cds_TrChReconf57_6k_CS_DCH_5_Restrict (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, OMIT, tcv_CellInfoB.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))		step 1 TFCS and TFS are changed
29	TBI	[TRUE]		I	
		lt_InitVariables			
...		.....	.....		

To:

Test Case Name	tc_8_2_4_3
Group	RRC/RRC_TrCh_Reconf/
Purpose	To confirm that the UE reverts to the old configuration and transmits a TRANSPORT CHANNEL RECONFIGURATION FAILURE message on the DCCH using AM RLC, if the UE fails to reconfigure the new configuration according to a TRANSPORT CHANNEL RECONFIGURATION message.
Configuration	
Default	RRC_Def1
Comments	
Selection Ref	FDD_Mode
Description	Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
...		.....	.....		
		lt_SendTrChReconf			
23		[tcv_CellInfoA.cellConfig = cell_DCH_64kPS_RAB_SRB]			
24		AM ! RLC_AM_DATA_REQ	cas_TrChReconf (tsc_CellDedicated, tsc_RB2, cds_TrChReconf64k_PS_DCH_5_Restrict (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))		step 1 TFCS and TFS are changed
25		[tcv_CellInfoA.cellConfig = cell_DCH_64kCS_RAB_SRB]			
26		AM ! RLC_AM_DATA_REQ	cas_TrChReconf (tsc_CellDedicated, tsc_RB2, cds_TrChReconf64k_CS_DCH_5_Restrict (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))		step 1 TFCS and TFS are changed
27		[tcv_CellInfoA.cellConfig = cell_DCH_57_6kCS_RAB_SRB]			

28		AM ! RLC_AM_DATA_REQ	cas_TrChReconf (tsc_CellDedicated, tsc_RB2, cds_TrChReconf57_6k_CS_DCH_5_Restrict (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))		step 1 TFCS and TFS are changed
29	TBI	[TRUE]		I	
		It_InitVariables			
...		.....	.....		

3GPP TSG-T1~~/SIC~~ Meeting #22
Hyderabad, India, 2 – 6 February 2004

T1 ⌘03174903~~xxxx~~

CR-Form-v7

CHANGE REQUEST

⌘	~~RRC~~ ATS~~TS~~34.123-3	CR	166~~03xx xx~~	⌘ rev	-~~1~~	⌘	Current version:	**3.3.0**	⌘

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

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

Title:	⌘	Test Case 8.2.4.4
Source:	⌘	Anritsu Ltd
Work item code:	⌘	***Date:*** ⌘ 14/11/2003
Category:	⌘	**F** ***Release:*** ⌘ R99

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

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

Reason for change:	⌘	To introduce test case 8.2.4.4 to RRCv330
Summary of change:	⌘	Apply the changes described in section 2 below to RRC_wk44 in iWD-TVB2003-03_D03wk44. Add tc_8_2_4_4 and all referenced test cases not already present to RRCv330 from the modified RRC_wk44. For more details see below.
Consequences if not approved:	⌘	Test case 8.2.4.4 will not be added

Clauses affected:	⌘	N/A

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

Other comments: ⌘

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

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

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

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

Anritsu

ANRITSU LIMITED

TSG-T W~~orking~~ G~~roup~~ 1 ~~SWG SIG~~ E-mail Approval

T1-031749~~2(8.1.1.8)~~

Hyderabad, India 2 – 6 February 2004

Title	~~Changes to~~ Introducing test case 8.2.4.4 ~~required for approval~~to RRCv330
Source	Anritsu
Agenda Item	N/A
Document for	Approval
Contact	Dan Fox (Anritsu) dan.fox@eu.anritsu.com Tel: +44 1582 433357

Table Of Contents

1 Overview

This document details the changes needed ~~to fix problems in the TTCN implementation of~~ introduce test case 8.2.4.4 to RRCv330. 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 5.5.0 TS34.108 version 3.d.0
Referenced CRs	None
Integrity	Enabled
Ciphering	Disabled
Paths tested	PS, CS

~~2.3~~2 Modifications to iWD-TVB2003-03_D03wk44

~~2.4~~2.1 New tables added

2.1.1 ts_CMAC_Reconf_CellDCH

This test step is needed by tc_8_2_4_4 (as described below) to reconfigure MAC to Cell_DCH.

Test Step Name	ts_CMAC_Reconf_CellDCH (p_CellId : INTEGER)
Group	BasicM_SS_Configuration_Steps/
Objective	Reconfigure MAC after UL-DPCH and DL-DPCH have been configured
Default	SS_Def
Comments	
Description	

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		+ ts_CMAC_Rel (p_CellId, tsc_S_CCPCH1)			Release Previous Configuration
3		[tcv_TmpCellInfo.cellConfig = cell_DCH_64kCS_RAB_SRB]			
4		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_DL_DPCH1, c_UE_Info(OMIT, OMIT), c_TrChInfoDL_640_148, c_TrLogMappingDL_4DCCH_1DTCH)		
5		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_DL_DPCH1)		
6		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_UL_DPCH1, c_UE_Info(OMIT, OMIT), c_TrChInfoUL_640_148, c_TrLogMappingUL_4DCCH_1DTCH)		
7		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_UL_DPCH1)		
8		[tcv_TmpCellInfo.cellConfig = cell_DCH_Speech]			
9		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo (tsc_CellDedicated, tsc_DL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoDL_122_AMR, c_TrLogMappingDL_4DCCH_3DTCH)		
10		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_DL_DPCH1)		
11		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo (tsc_CellDedicated, tsc_UL_DPCH1, c_UE_Info (OMIT, OMIT), c_TrChInfoUL_122_AMR, c_TrLogMappingUL_4DCCH_3DTCH)		

12		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf (tsc_CellDedicated, tsc_UL_DPCH1)		
13		[tcv_TmpCellInfo.cellConfig = cell_DCH_57_6kCS_RAB_SRB]			
14		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_DL_DPCH1, c_UE_Info(OMIT, OMIT), c_TrChInfoDL_576_148, c_TrLogMappingDL_4DCCH_1DTCH)		
15		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_DL_DPCH1)		
16		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_UL_DPCH1, c_UE_Info(OMIT, OMIT), c_TrChInfoUL_576_148, c_TrLogMappingUL_4DCCH_1DTCH)		
17		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_UL_DPCH1)		
18		[tcv_TmpCellInfo.cellConfig = cell_DCH_64kPS_RAB_SRB]			
19		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_DL_DPCH1, c_UE_Info(OMIT, OMIT), c_TrChInfoDL_336_148, c_TrLogMappingDL_4DCCH_1DTCH_PS)		
20		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_DL_DPCH1)		
21		CMAC ! CMAC_Config_REQ	ca_CMAC_CfgInfo(tsc_CellDedicated , tsc_UL_DPCH1, c_UE_Info(OMIT, OMIT), c_TrChInfoUL_336_148, c_TrLogMappingUL_4DCCH_1DTCH_PS)		
22		CMAC ? CMAC_Config_CNF	ca_CMAC_CfgCnf(tsc_CellDedicated , tsc_UL_DPCH1)		
23		[TRUE]		(F)	

2.2 Modified Tables

2.2.1 tc_8_2_4_4

Reason for change

1) In Cell_DCH_Speech the constraint used for CellUpdateConfirm message (c_DL_CommonInformationRB_SetUp) is different than that used to configure SS (c_DL_CommonInformationRB_SetUpSpeech) used in test step ts_SS_ConfigDCH_CS_PS.

2) Need new step reconfigure MAC to Cell_DCH (after CellUpdateConfirm message is sent).

3) The frequencyInfo IE must be present in Transport channel reconfiguration as per 34.108 clause 9 for the message sub-type titled as "Speech in CS" or "Non speech in CS" or "Packet to CELL_DCH from CELL_DCH in PS".

Summary of change

1) Replace in table tc_8_2_4_4 c_DL_CommonInformationRB_SetUp (line 41) by c_DL_CommonInformationRB_SetUpSpeech

2) Insert new step +ts_CMAC_Reconf_CellDCH (tsc_CellA) (line 22) after +lt_SendCellUpdateConfirm. (table ts_CMAC_Reconf_CellDCH is given in sub-clause 2.1.1).

3) Add IE FrequencyInfo to constraints used in Transport channel reconfiguration local tree (lines: 26, 29, 32 and 35).

Change from:

Case Name	tc_8_2_4_4
Purpose	To confirm that the UE transmits a TRANSPORT CHANNEL RECONFIGURATION FAILURE message after it completes a cell update procedure when the UE cannot synchronise with the SS on the new channel before T312 expires and fails to revert to the old configuration.
Description	Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and cell reselection)

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+ts_RRC_InitVariables (cell_DCH)			Initial Test Case Variables
...	...	.....	.....		
		lt_LocalTest			
15		+ts_CalculateActTime (tsc_CellA)			
16		+lt_SendTrChReconf			
17		+ts_SS_RelDCH_CS_PS (tsc_CellA)			Step 2
18	TBP1	+ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellA, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, radiolinkFailure), 15000)			step 3 in prose; IE "Cell update cause" set to "Radio Link Failure"
19		+ts_SS_ConfigDCH_CS_PS (tsc_CellA)			step 5
20		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, OMIT)			
21		+lt_SendCellUpdateConfirm			
22		+ts_CRLC_ReconfRLC_Size (FALSE)			step 4
23	TBP2	+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA, tcv_CellInfoA.cellConfig)			step 6
24	TBP3	AM ? RLC_AM_DATA_IND	car_TrChReconfFail (tsc_CellDedicated, tsc_RB2, cr_108_TrChReconfFail (tcv_RRC_Ti, physicalChannelFailure :NULL))	(P)	step 7
		lt_SendTrChReconf			
25		[tcv_CellInfoA.cellConfig = cell_DCH_64kPS_RAB_SRB]			
26		AM ! RLC_AM_DATA_REQ	cas_TrChReconfWithCnf (tsc_CellDedicated, tsc_RB2, cbs_108_TrChReconf64k_PS(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, OMIT, tcv_CellInfoB.priScrmCode, (tcv_CellInfoB.uL_ScramblingCode + 1)))		step 1 With New Configuration UI Scrambling code modified
27		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		SS waits for confirmation in order to avoid an early reconfiguration
28		[tcv_CellInfoA.cellConfig = cell_DCH_Speech]			
29		AM ! RLC_AM_DATA_REQ	cas_TrChReconfWithCnf (tsc_CellDedicated, tsc_RB2, cbs_108_TrChReconfSpeech (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, OMIT, tcv_CellInfoB.priScrmCode,		step 1 With New Configuration UI Scrambling code modified

			(tcv_CellInfoB.uL_ScramblingCode + 1))))		
30		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		SS waits for confirmation in order to avoid an early reconfiguration
31		[tcv_CellInfoA.cellConfig = cell_DCH_64kCS_RAB_SRB]			
32		AM ! RLC_AM_DATA_REQ	cas_TrChReconfWithCnf (tsc_CellDedicated, tsc_RB2, cbs_108_TrChReconf64k_CS (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, OMIT, tcv_CellInfoB.priScrmCode, (tcv_CellInfoB.uL_ScramblingCode + 1))))		step 1 With New Configuration UI Scrambling code modified
33		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		SS waits for confirmation in order to avoid an early reconfiguration
34		[tcv_CellInfoA.cellConfig = cell_DCH_57_6kCS_RAB_SRB]			
35		AM ! RLC_AM_DATA_REQ	cas_TrChReconfWithCnf (tsc_CellDedicated, tsc_RB2, cbs_108_TrChReconf57_6k_CS (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, OMIT, tcv_CellInfoB.priScrmCode, (tcv_CellInfoB.uL_ScramblingCode + 1))))		Step 1
36		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		SS waits for confirmation in order to avoid an early reconfiguration
37	TBI1	[TRUE]		I	
		It_SendCellUpdateConfirm			
38		[tcv_CellInfoA.cellConfig = cell_DCH_64kCS_RAB_SRB]			
39		----------	----------		
40		[tcv_CellInfoA.cellConfig = cell_DCH_Speech]			
41		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_DCH, ul_DPCH_Info : (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84 , tcv_CellInfoA.uL_ScramblingCode)), c_DL_CommonInformationRB_SetUp (tsc_DL_DPCH1_SFP_Speech), c_DL_InformationPerRL (tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Speech, tsc_DL_DPCH1_2ndScrC)))		Step 4
42		[tcv_CellInfoA.cellConfig = cell_DCH_57_6kCS_RAB_SRB]			
43		----------	----------		

44		[tcv_CellInfoA.cellConfig = cell_DCH_64kPS_RAB_SRB]			
45		.....	.....		
46	TBI2	[TRUE]		I	

To:

Case Name	tc_8_2_4_4
Purpose	To confirm that the UE transmits a TRANSPORT CHANNEL RECONFIGURATION FAILURE message after it completes a cell update procedure when the UE cannot synchronise with the SS on the new channel before T312 expires and fails to revert to the old configuration.
Description	Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and cell reselection)

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START t_Guard			
2		[px_RAT=fdd]			FDD specific behaviour
3		+ts_RRC_InitVariables (cell_DCH)			Initial Test Case Variables
...	...	.....	.....		
		lt_LocalTest			
15		+ts_CalculateActTime (tsc_CellA)			
16		+lt_SendTrChReconf			
17		+ts_SS_RelDCH_CS_PS (tsc_CellA)			Step 2
18	TBP1	+ts_RRC_ReceiveCellUpdateNonPeriodic (tsc_CellA, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, radiolinkFailure), 15000)			step 3 in prose; IE "Cell update cause" set to "Radio Link Failure"
19		+ts_SS_ConfigDCH_CS_PS (tsc_CellA)			step 5
20		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, OMIT)			
21		+lt_SendCellUpdateConfirm			
22		+ts_CMAC_Reconf_CellDCH (tsc_CellA)			
23		+ts_CRLC_ReconfRLC_Size (FALSE)			step 4
24	TBP2	+ts_RRC_ReceivePhyChReconfCmpl (tsc_CellA, tcv_CellInfoA.cellConfig)			step 6
25	TBP3	AM ? RLC_AM_DATA_IND	car_TrChReconfFail (tsc_CellDedicated, tsc_RB2, cr_108_TrChReconfFail (tcv_RRC_Ti, physicalChannelFailure :NULL))	(P)	step 7
		lt_SendTrChReconf			
26		[tcv_CellInfoA.cellConfig = cell_DCH_64kPS_RAB_SRB]			
27		AM ! RLC_AM_DATA_REQ	cas_TrChReconfWithCnf (tsc_CellDedicated, tsc_RB2, cbs_108_TrChReconf64k_PS(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, (tcv_CellInfoB.uL_ScramblingCode + 1)))		step 1 With New Configuration UI Scrambling code modified
28		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		SS waits for confirmation in order to avoid an early reconfiguration
29		[tcv_CellInfoA.cellConfig = cell_DCH_Speech]			
30		AM ! RLC_AM_DATA_REQ	cas_TrChReconfWithCnf (tsc_CellDedicated, tsc_RB2,		step 1 With New Configuration UI Scrambling code modified

			cbs_108_TrChReconfSpeech (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, (tcv_CellInfoB.uL_ScramblingCode + 1))))		
31		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		SS waits for confirmation in order to avoid an early reconfiguration
32		[tcv_CellInfoA.cellConfig = cell_DCH_64kCS_RAB_SRB]			
33		AM ! RLC_AM_DATA_REQ	cas_TrChReconfWithCnf (tsc_CellDedicated, tsc_RB2, cbs_108_TrChReconf64k_CS (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, (tcv_CellInfoB.uL_ScramblingCode + 1)))		step 1 With New Configuration UI Scrambling code modified
34		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		SS waits for confirmation in order to avoid an early reconfiguration
35		[tcv_CellInfoA.cellConfig = cell_DCH_57_6kCS_RAB_SRB]			
36		AM ! RLC_AM_DATA_REQ	cas_TrChReconfWithCnf (tsc_CellDedicated, tsc_RB2, cbs_108_TrChReconf57_6k_CS (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_ActTime, tcv_CellInfoB.frequencyInfo, tcv_CellInfoB.priScrmCode, (tcv_CellInfoB.uL_ScramblingCode + 1)))		Step 1
37		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDedicated, tsc_RB2, tsc_Mui)		SS waits for confirmation in order to avoid an early reconfiguration
38	TBI1	[TRUE]			
		It_SendCellUpdateConfirm			
39		[tcv_CellInfoA.cellConfig = cell_DCH_64kCS_RAB_SRB]			
40		.....	.....		
41		[tcv_CellInfoA.cellConfig = cell_DCH_Speech]			
42		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf (tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, OMIT, OMIT, cell_DCH, ul_DPCH_Info : (cb_UL_DPCH_Info (tsc_UL_DPDCH_SF_Speech, pl0_84 , tcv_CellInfoA.uL_ScramblingCode)), c_DL_CommonInformationRB_SetUpSpeech (tsc_DL_DPCH1_SFP_Speech), c_DL_InformationPerRL (		Step 4

			tcv_CellInfoA.priScrmCode, tsc_DL_DPCH1_ChC_Speech, tsc_DL_DPCH1_2ndScrC)))		
43		[tcv_CellInfoA.cellConfig = cell_DCH_57_6kCS_RAB_SRB]			
44		.....	.....		
45		[tcv_CellInfoA.cellConfig = cell_DCH_64kPS_RAB_SRB]			
46		.....	.....		
47	TBl2	[TRUE]		l	

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031755

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **152** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.1 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/11/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.1 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.1 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031755**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 9.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_1
Test Group:	MM/TMSI_Reallocation
ATS Version:	iWD-TVB2003-03_D03wk44 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.1

4.1 Introduction

This section describes the changes required to make test case 9.1 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk44.mp which is part of the iWD-TVB2003-03_D03wk44 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.1:

WA#NAS4218, WA#NAS4219, WA#NAS4233, WA#NAS4234, WA#NAS4241

4.2 tc_9_1

4.2.1 WA#NAS4246

Test step name	tc_9_1 : lt_ActivateUE
Reason for change	Superfluous test step "ts_RRC_PagNotifyIdleMode" & associated Nas delay ts "ts_NAS_Delay" in local test step "lt_ActivateUE"
Summary of change	Removed test step "ts_RRC_PagNotifyIdleMode" & associated Nas delay test step "ts_NAS_Delay" in local test step "lt_ActivateUE"
Source of change	New change
Label	WA#NAS4246

4.2.2 WA#NAS4247

Test step name	tc_9_1
Reason for change	To prevent the UE from registering to the CS domain everytime it's Switched off & switched on, the ATT flag has to be set to "0"
Summary of change	Added "tcv_CellInfoB.attFlag := tsc_AttOff", before the SIB's are retransmitted for CellB
Source of change	New change
Label	WA#NAS4247

Test Case	
Test Case Id:	tc_9_1
Test Group Reference:	MM/TMSI_Reallocation/
Purpose:	To verify that the UE is able to receive and acknowledge a new TMSI by means of an explicit TMSI reallocation procedure. To verify that the UE has stored the TMSI in a non-volatile memory. The implicit reallocation procedure is tested in section 9.4.1
Configuration:	
Defaults:	NAS_OtherwiseFail
Comments:	Initial Conditions of UE: The UE has valid TMSI(TMSI1), CKSN, CK, IK. It is "idle updated" on cell B. WA#NAS4246

Nr	La...	Behaviour Description	Constraint Ref	V...	Comments
1		START t_Guard			
2		+ts_InitVariables			Sets defaults
3		(tcv_CN_Domain := cs_domain)			Sets domain for testing
4		(tcv_CellInfoB.lac := tsc_LAC_2)			Set specific values for Cell B
5		+ts_MM_StartCellB			Start cell B
6		(tcv_CellInfoA.attenuationLevel:=tsc_AttenuationNonSuitableNeighbourCell, tcv_CellInfoA.mnc:=tsc_NMO_II)			Set specific values for Cell A
7		+ts_MM_StartCellA			Start neighbour cell A
8		+ts_IdleUpdated(tsc_CellB)			Idle Updated on Cell B
9		(tcv_CellInfoB.attFlag := tsc_AttOff)			WA#NAS4247
10		+ts_MM_SwitchCellB_ToNMO_II			Set the NMO to be used and send updated SysInf o
11		+t_Body			
12		+po_ConnectionAndSS_Rels			Release all resources

4.2.3 WA#NAS4238

Test step name	tc_9_1 : lt_SwitchCell
Reason for change	According to the prose, Wrong LAI expected in Location Update Request message
Summary of change	Last LAI stored in the SIM should be used. Therfore changed "tcv_CellInfoA" to "tcv_CellInfoB"
Source of change	new change
Label	WA#NAS4238

lt_SwitchCell					
33		+ts_BS_SwitchCellPowerLevels(tsc_CellB, tsc_CellA)			Step 16 6
34		+ts_RRC_ConnEst(tsc_CellA, est_Req, registration)			Steps 17-19 Connection Establishment MO
35		Dc?RRC_DataInd (tcv_Start := RRC_DataInd.start)	cer_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, c_LocUpdReq(c_MobileIdTMSI2_iv, tcv_CellInfoB.mcc, tcv_CellInfoB.mnc, tcv_CellInfoB.lac, c_LocUpdTypeNormal(tcv_CS_KeySeq)))	(P)	Step 20 7 WA#NAS4238
36		+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)			

5 Branches executed in test case 9.1

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_1_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_1-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031756**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031757

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **153** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.2.2 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	08/12/2003
Category:	⌘	**B**
Release:	⌘	R99

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

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.2.2 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.2.2 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

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

Other comments:	⌘	

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031757**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 9.2.2 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.2.2 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_2_2
Test Group:	MM/Authentication
ATS Version:	iWD-TVB2003-03_D03wk48 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.2.2

4.1 Introduction

This section describes the changes required to make test case 9.2.2 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk48.mp which is part of the iWD-TVB2003-03_D03wk48 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.2.2:

WA#NAS4218, WA#NAS4233, WA#NAS4234, WA#NAS4259, WA#NAS4241, WA#NAS4319 & WA#NAS4320

4.2 tcv_MIB_ValueTagChanged (WA#NAS4313)

Test step name	tcv_MIB_ValueTagChanged
Reason for change	Currently tcv_MIB_ValueTagChanged is initialised to FALSE, which will cause the MIB value tag to 2 to be incremented first time System information is broadcast. But as per 34.108 value tag of 1 is default.
Summary of change	tcv_MIB_ValueTagChanged to be initialised to TRUE in testcase variable declarations
Source of change	Anite CR T1-031777
Label	WA#NAS4313

tcv_MIB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIBValueTag changed, set to FALSE after MIB delivered to SS. WA#NAS4313

4.3 ts_AT_InitEmergencyCall (WA#NAS4235)

Test step name ts_AT_InitEmergencyCall

Reason for change MMI Command CNF is not accounted for in "ts_AT_InitEmergencyCall"

Summary of change Added MMI Command Cnf to be expected

Source of change New change

Label WA#NAS4235

Test Step Id:	ts_AT_InitEmergencyCall
Test Step Group Ref:	UT_Steps/
Objective:	To request the operator to configure UE to initiate an emergency call with the number given as parameter. To request UE to initiate an MO call using the ATD command.
Defaults:	UT_OtherwiseFail
Comments:	

...	L...	Behaviour Description	Constraint Ref	...	Comments
1		Ut ! MMI_CmdReq	ca_MMI_CmdReq (o_ConcatStrg(" Please configure UE to use the following emmergency number" , px_EmergencyCallNumber))		
2		Ut ? MMI_CmdCnf	ca_MMI_CmdCnf		WA#NAS4235
3		(tcv_AT_Cmd := o_ConcatStrg("ATD", px_EmergencyCallNumber) , tcv_AT_Cmd := o_ConcatStrg(tcv_AT_Cmd , "<CR>"))			
4		Ut ! AT_CmdReq	ca_AT_CmdReq (tcv_AT_Cmd)		Step 1
5		Ut ? AT_CmdCnf	ca_AT_CmdCnf		

4.4 tc_9_2_2

4.4.1 WA#NAS4330

Test step name tc_9_2_2 : lt_Body

Reason for change According to the prose, In Step 2 the received CKSN value is ckecked to make sure it has the value given in the preamble

Summary of change Added variable "tcv_CS_KeySeq" to be checked in PDU constraint "c_PagRsp"

Source of change New change

Label WA#NAS4330

lt_Body					
12	TBS	(tcv_TestBody := TRUE)		(P)	
13		+ts_RRC_ConnEst_DCH_MT_TMSI(tsc_CellB, terminatingConversationalCall, px_TMSI_Def, terminatingConversationalCall)			Step 1: MT Connection Establishment 1.
14		Dc?RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, c_PagRsp(tcv_CS_KeySeq, c_MobileIdTMSI_IV))		Step 2: Paging Response WA#NAS4330
15		+ ts_SS_SecurityDownloadStart (tcv_CN_Domain, tcv_Start)			

4.4.2 WA#NAS4331

Test step name tc_9_2_2 : lt_Continue1

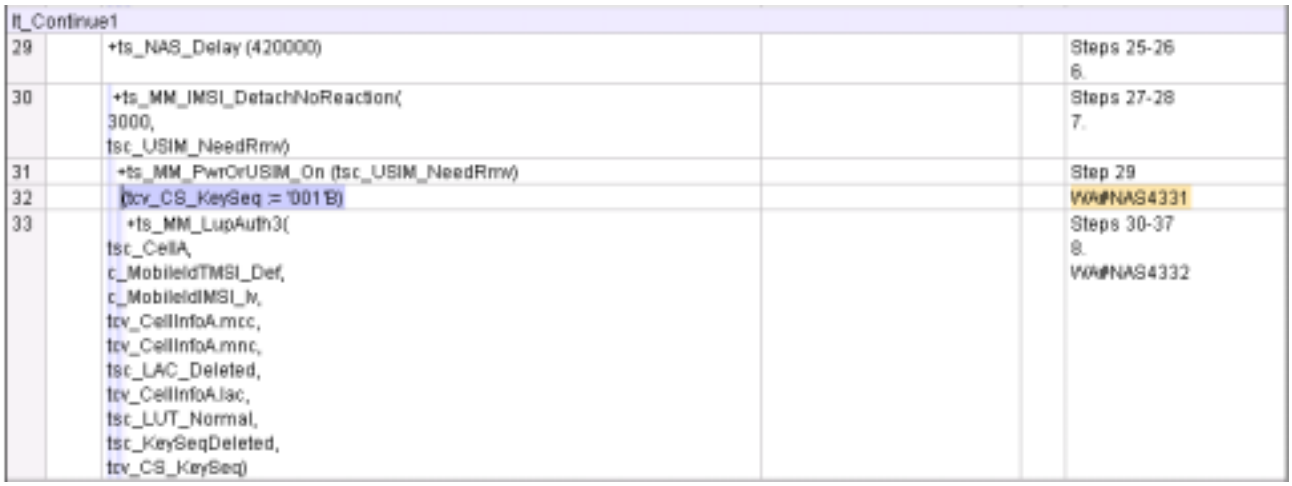
Reason for change According to the prose, In Step 34 the Authentication Request message is

allocated a new CKSN1 value.

Summary of change As there are no different CKSN variables in the ATS, "tcv_CS_KeySeq" is assigned a new value for '001'B

Source of change New change

Label WA#NAS4331



lt_Continue1				
29		+ts_NAS_Delay (420000)		Steps 25-26 6.
30		+ts_MM_IMSI_DetachNoReaction(3000, tsc_USIM_NeedRmv)		Steps 27-28 7.
31		+ts_MM_PwrOrUSIM_On (tsc_USIM_NeedRmv)		Step 29
32		(tcv_CS_KeySeq := '001'B)		WA#NAS4331
33		+ts_MM_LupAuth3(tsc_CellA, c_MobileIdTMSI_Def, c_MobileIdIMSI_Iv, tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tsc_LAC_Deleted, tcv_CellInfoA.lac, tsc_LUT_Normal, tsc_KeySeqDeleted, tcv_CS_KeySeq)		Steps 30-37 8. WA#NAS4332

4.4.3 WA#NAS4332

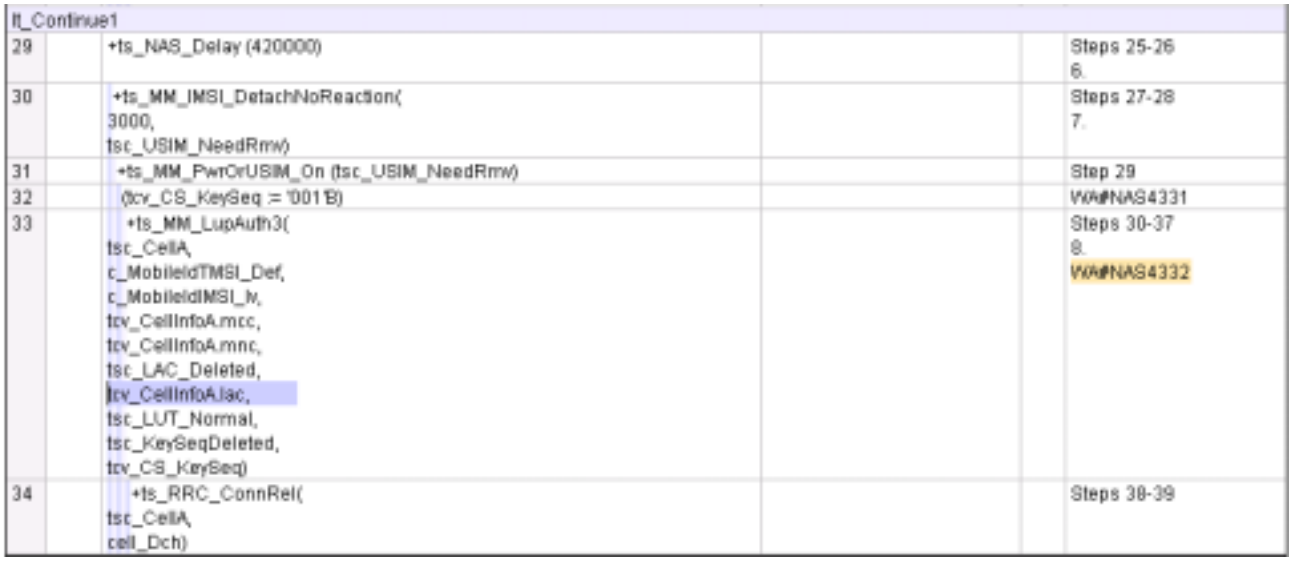
Test step name tc_9_2_2 : lt_Continue1

Reason for change According to the prose, in Step 36 Location update Accept message should contain the LAC of the current active Cell A

Summary of change The allocated LAI should be according to the values given in the System Information Blocks of Cell A. Therfore changed "tcv_CellInfoB" to "tcv_CellInfoA"

Source of change New change

Label WA#NAS4332



lt_Continue1				
29		+ts_NAS_Delay (420000)		Steps 25-26 6.
30		+ts_MM_IMSI_DetachNoReaction(3000, tsc_USIM_NeedRmv)		Steps 27-28 7.
31		+ts_MM_PwrOrUSIM_On (tsc_USIM_NeedRmv)		Step 29
32		(tcv_CS_KeySeq := '001'B)		WA#NAS4331
33		+ts_MM_LupAuth3(tsc_CellA, c_MobileIdTMSI_Def, c_MobileIdIMSI_Iv, tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tsc_LAC_Deleted, tcv_CellInfoA.lac, tsc_LUT_Normal, tsc_KeySeqDeleted, tcv_CS_KeySeq)		Steps 30-37 8. WA#NAS4332
34		+ts_RRC_ConnRel(tsc_CellA, cell_Dch)		Steps 38-39

5 Branches executed in test case 9.2.2

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_2_2_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_2_2-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031758**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031759

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **154** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.1 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/11/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.1 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.1 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031759**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 9.4.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_1
Test Group:	MM/LocationUpdating/Accepted
ATS Version:	iWD-TVB2003-03_D03wk44 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.1

4.1 Introduction

This section describes the changes required to make test case 9.4.1 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk44.mp which is part of the iWD-TVB2003-03_D03wk44 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.1:

WA#NAS4218, WA#NAS4219, WA#NAS4233, WA#NAS4234, WA#NAS4241

4.2 tc_9_4_1 (WA#NAS4180)

Test step name	tc_9_4_1 : lt_SwitchCellToA_LupPag
Reason for change	Incorrect CellId being used within "ts_RRC_Security"
Summary of change	Changed CellId from 'tsc_CellB' to 'tsc_CellA'
Source of change	New change
Label	WA#NAS4180

5 Branches executed in test case 9.4.1

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_1_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_1-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031760**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031761

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 155** ⌘**rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.2.1 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/11/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.2.1 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.2.1 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031761**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 9.4.2.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.2.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_2_1
Test Group:	MM/LocationUpdating/Rejected
ATS Version:	iWD-TVB2003-03_D03wk44 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.2.1

4.1 Introduction

This section describes the changes required to make test case 9.4.2.1 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk44.mp which is part of the iWD-TVB2003-03_D03wk44 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.2.1:

WA#NAS4218, WA#NAS4219, WA#NAS4233, WA#NAS4234, WA#NAS4241

4.2 ts_AT_InitEmergencyCall (WA#NAS4235)

Test step name	ts_AT_InitEmergencyCall
Reason for change	MMI Command CNF is not accounted for in "ts_AT_InitEmergencyCall"
Summary of change	Added MMI Command Cnf to be expected
Source of change	New change
Label	WA#NAS4235

Test Step

Test Step Id:	ts_AT_InitEmergencyCall
Test Step Group Ref:	UT_Steps/
Objective:	To request the operator to configure UE to initiate an emergency call with the number given as parameter. To request UE to initiate an MO call using the ATD command.
Defaults:	UT_OtherwiseFail
Comments:	

Nr	..	Behaviour Description	Constraint Ref	..	Comments
1		Ut ! MMI_CmdReq	ca_MMI_CmdReq (o_ConcatStrg(" Please configure UE to use the following emmergency number" , ps_EmergencyCallNumber))		
2		Ut ? MMI_CmdCnf	ca_MMI_CmdCnf		WA#NAS4235
3		(tkv_AT_Cmd := o_ConcatStrg("ATD", ps_EmergencyCallNumber) , tkv_AT_Cmd := o_ConcatStrg(tkv_AT_Cmd , "<CR>"))			
4		Ut ! AT_CmdReq	ca_AT_CmdReq (tkv_AT_Cmd)		Step 1
5		Ut ? AT_CmdCnf	ca_AT_CmdCnf		

4.3 ts_MM_LupRej (WA#NAS4236)

Test step name	ts_MM_LupRej
Reason for change	The UE should invalidate any existing CS key sequence number upon receiving a Location Update Reject, therfore the temporary variable "tcv_CS_KeySeq" should be updated accordingly as well
Summary of change	Invalidate CS key sequence number
Source of change	New change
Label	WA#NAS4236

Test Step				
Test Step Id:	ts_MM_LupRej(p_CellId: INTEGER; p_RejCau: RejCau; p_LUT: B2)			
Test Step Group Ref:	MM_Steps/			
Objective:	To reject a UE's request for location registration			
Defaults:	NAS_OtherwiseFail			
Comments:	To reject a UE's request for location registration (are values?)			
		Behaviour Description	Constraint Ref	Verdict	Comments
1		+ts_MM_LupInit2(p_CellId, p_LUT)			1
2		DcIRRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdReq(p_RejCau))		2
3		tcv_CS_KeySeq := tsc_KeySeqDeleted()			WA#NAS4236
4		+ts_RRC_ConnRel(p_CellId, null_Dch)			3

5 Branches executed in test case 9.4.2.1

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_2_1_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_2_1-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031762**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031763

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 156** ⌘**rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.2.4.1 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/11/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.2.4.1 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.2.4.1 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031763**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 9.4.2.4.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.2.4.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_2_4_1
Test Group:	MM/LocationUpdating/Rejected
ATS Version:	iWD-TVB2003-03_D03wk44 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.2.4.1

4.1 Introduction

This section describes the changes required to make test case 9.4.2.4.1 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

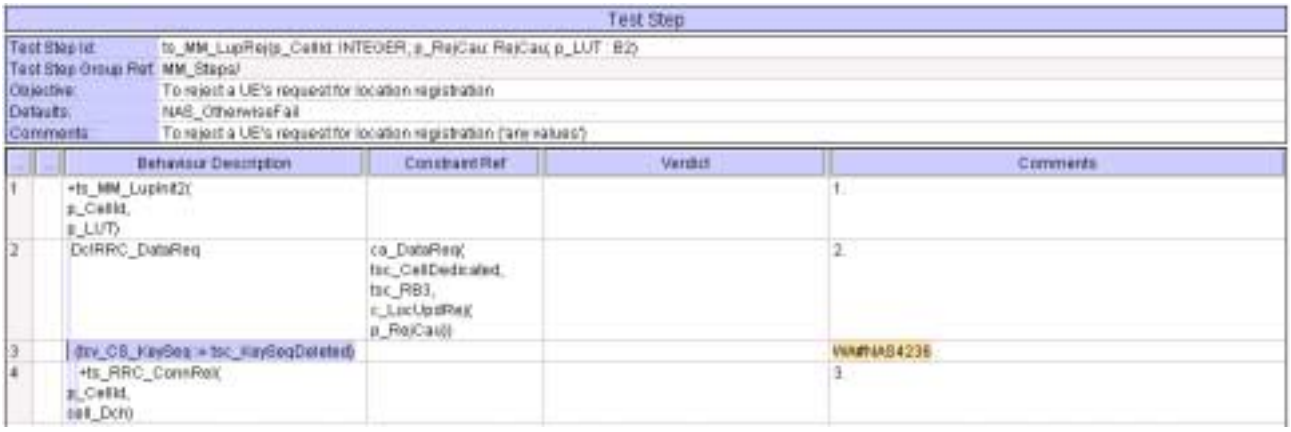
The ATS version used as basis was NAS_wk44.mp which is part of the iWD-TVB2003-03_D03wk44 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.2.4.1:

WA#NAS4218, WA#NAS4219, WA#NAS4233, WA#NAS4234, WA#NAS4241

4.2 ts_MM_LupRej (WA#NAS4236)

Test step name	ts_MM_LupRej
Reason for change	The UE should invalidate any existing CS key sequence number upon receiving a Location Update Reject, therfore the temporary variable "tcv_CS_KeySeq" should be updated accordingly as well
Summary of change	Invalidate CS key sequence number
Source of change	New change
Label	WA#NAS4236



Test Step				
Test Step Id:	ts_MM_LupReq(p_CellId: INTEGER, p_RejCau: RejCau, p_LUT: B2)			
Test Step Group Ref:	MM_Steps/			
Objective:	To reject a UE's request for location registration			
Defaults:	NAS_OtherwiseFail			
Comments:	To reject a UE's request for location registration (are values?)			
	Behaviour Description	Constraint Ref	Verdict	Comments
1	+ts_MM_LupInit2(p_CellId, p_LUT)			1.
2	Dcl RRC_DataReq	ca_DataReq(tsc_CellDedicated, tsc_RB3, c_LocUpdReq(p_RejCau))		2.
3	(tsv_CS_KeySeq := tsc_KeySeqDeleted)			WAITNAS4235
4	+ts_RRC_ConnRel(p_CellId, call_Dch)			3.

5 Branches executed in test case 9.4.2.4.1

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_2_4_1_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_2_4_1-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031764**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031765

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **157** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.4 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/11/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.4 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.4 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031765**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 9.4.4 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.4 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_4
Test Group:	MM/LocationUpdating/Release_ExpiryT3240
ATS Version:	iWD-TVB2003-03_D03wk44 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.4

This section describes the changes required to make test case 9.4.4 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk44.mp which is part of the iWD-TVB2003-03_D03wk44 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are **not** applicable to test case 9.4.4:

WA#NAS4218, WA#NAS4219, WA#NAS4233, WA#NAS4234, WA#NAS4241

5 Branches executed in test case 9.4.4

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_4_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_4-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031766**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031767

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **158** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.5.3 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	25/11/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.5.3 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.5.3 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031767**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 9.4.5.3 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.5.3 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_5_3
Test Group:	MM/LocationUpdating/Periodic
ATS Version:	iWD-TVB2003-03_D03wk44 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.5.3

This section describes the changes required to make test case 9.4.5.3 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk44.mp which is part of the iWD-TVB2003-03_D03wk44 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are **not** applicable to test case 9.4.5.3:

WA#NAS4218, WA#NAS4219, WA#NAS4233, WA#NAS4234, WA#NAS4241

5 Branches executed in test case 9.4.5.3

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_5_3_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_5_3-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031768**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

⌘*T1-031771*

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **159** ⌘**rev** **-** ⌘ Current version: **3.4.0** ⌘

*For***Error! Reference source not found.** *on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

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

Title:	⌘	Addition of RRC test case 8.3.7.1 to RRC ATS V3.4.0
Source:	⌘	T1
Work item code:	⌘	N/A
Date:	⌘	12/12/03
Category:	⌘	**F**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RRC test case 8.3.7.1 to the approved RRC ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.7.1 required for approval.
Consequences if not approved:	⌘	The Test case will not be added to the ATS

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

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

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

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

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

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

T1-031771

Title: **Changes to test case 8.3.7.1 required for approval**

Source: Rohde & Schwarz and Racal Instruments

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 lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.7.1 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case: tc_8_3_7_1

Test Group: RRC/InterSystemHandover/

ATS Version: RRC_wk51 + modifications

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 8.3.7.1

4.1 Introduction

This is an update of 2 previous CRs on test case 8.3.7.1 (see T1-031466 [1] and T1-031723.doc [2]) for an Intersystem Handover test case presented for approval. T1-031466 and T1-031723.doc have been commented by ETSI MCC 160 and others. These comments have been taken into account and both Rohde & Schwarz as well as Racal Instruments contributed to the verification of this test case.

The last ATS provided by MCC160 which contains GCF package 1 and 2 Intersystem Handover test cases is RRC_wk51.mp [4]. The ATS enclosed in T1-031771a.zip [3], specifying the modified test case tc_8_3_7_1 presented for approval, has been derived from this ATS, with modifications as described below.

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

a) If the related TTCN objects **are contained** in RRC_wk51.mp [4], the change description refers to this ATS;

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

The reference ATS from which the object has been taken and to which the described change refers, is indicated for each TTCN object to be changed. 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 detailled argumentation.

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

Table 1: Example Change Table

TTCN object	*tc_8_3_7_1*
Reference ATS	*RRC_wk51.mp [4]*
Change Label	*WA#2G3RRC0110*
Reason for change	<*Textual description of change reason*>.
Summary of change	<*Textual description of performed changes*>
Other affected objects	<*GOTO fields to other change descriptions*> (optional)
ETSI comment	
R&S conclusion	

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

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

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

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

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

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

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

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

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

4.3 Modifications

4.3.1 G_CellConfigInfo constraints

TTCN objects	c_G_CellConfigInfoGSM1800 c_G_CellConfigInfoGSM1900 c_G_CellConfigInfoGSM450 c_G_CellConfigInfoGSM480 c_G_CellConfigInfoGSM900 c_G_CellConfigInfoGSM900_CellA c_G_CellConfigInfoGSM900_CellB c_G_CellConfigInfoGSM900_CellC
Reference ATS	RRC_wk51.mp
Change Label	WA#2G3RRC0174
Reason for change	The MNC digits are incorrectly coded.
Summary of change	Change MNC digits from 'F01'H to '01F'H.
Other affected objects	
ETSI comment	
R&S conclusion	

5 Branches executed in test case 8.3.7.1

Execution 2 (GSM EFR) and 3 (GSM FR) of the test case implementation were executed for the GSM 1800 and the GSM 900 band in CS Mode and Combined Attach (CSPS) Mode with Integrity activated and Ciphering disabled. All 8 executions came to a clear PASS.

For the sake of simplicity, only logs for both branches (CS and Combined Attach) of combination EFR / 1800 are submitted.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case in CS as well as in Combined Attach (CSPS) mode on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G. The documentation below is enclosed as evidence of the successful test case run T1-031771a.zip [3]:

a) TTCN ATS containing modified tc_8_3_7_1.

b1) Execution log files TC_8_3_7_1_CS_EFR_1800\Index.html
This execution log files in HTML format show the dynamic behaviour of the test's CS branch 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.

b2) Execution log files TC_8_3_7_1_CSPS_EFR_1800\Index.html
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch 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.

c1) PICS/PIXIT file TC_8_3_7_1_CS_EFR_1800_Pics_Pixit.txt
Text file containing all PICS/PIXIT parameters used for CS testing

c2) PICS/PIXIT file TC_8_3_7_1_CSPS_EFR_1800_Pics_Pixit.txt
Text file containing all PICS/PIXIT parameters used for Combined Attach (CSPS) testing.

7 References

[1]	T1-031466.doc (27/10/2003) First CR document for tc_8_3_7_1 provided by Rohde & Schwarz.
[2]	T1-031723.doc (22/11/2003) Second CR document for tc_8_3_7_1 provided by Rohde & Schwarz.
[3]	T1-031771a.zip This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file for the current CR.
[4]	RRC_wk51.mp ETSI RRC ATS version of week 51.

Annex A: List of change labels and affected TTCN objects

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

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

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0174	c_G_CellConfigInfoGSM1800 c_G_CellConfigInfoGSM1900 c_G_CellConfigInfoGSM450 c_G_CellConfigInfoGSM480 c_G_CellConfigInfoGSM900 c_G_CellConfigInfoGSM900_CellA c_G_CellConfigInfoGSM900_CellB c_G_CellConfigInfoGSM900_CellC	RRC_wk51.mp [4]

⌘*T1-031772*

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **161** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

For **Error! Reference source not found.** *on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

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

Title:	⌘	Addition of RRC test case 8.3.7.4 to RRC ATS V3.4.0
Source:	⌘	T1
Work item code:	⌘	N/A
Date:	⌘	12/12/03
Category:	⌘	**F**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RRC test case 8.3.7.4 to the approved RRC ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.7.4 required for approval.
Consequences if not approved:	⌘	The Test case will not be added to the ATS

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

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

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

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

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

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

T1-031772

Title: **Changes to test case 8.3.7.4 required for approval**

Source: Rohde & Schwarz and Racal Instruments

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 lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.7.4 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case: TC_8_3_7_4

Test Group: RRC/InterSystemHandover/

ATS Version: RRC_wk51 + modifications

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 8.3.7.4

4.1 Introduction

This is an update of a previous CR on test case 8.3.7.4 (see T1-031468.doc [2]) presented for approval. T1-031468.doc has been commented by ETSI MCC 160 and others. These comments have been taken into account and both Rohde & Schwarz as well as Racal Instruments contributed to the verification of this test case.

The last ATS provided by MCC160 which contains GCF package 1 and 2 Intersystem Handover test cases is RRC_wk51.mp [3]. The ATS enclosed in T1-031772a.zip [1], specifying the modified test case tc_8_3_7_4 presented for approval, has been derived from this ATS, with modifications as described below.

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

a) If the related TTCN objects **are contained** in RRC_wk51.mp [3], the change description refers to this ATS;

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

The reference ATS from which the object has been taken and to which the described change refers, is indicated for each TTCN object to be changed. 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 detailled argumentation.

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

Table 1: Example Change Table

TTCN object	*tc_8_3_7_4*
Reference ATS	RRC_wk51.mp [3]
Change Label	*WA#2G3RRC0110*
Reason for change	<*Textual description of change reason*>.
Summary of change	<*Textual description of performed changes*>
Other affected objects	<*GOTO fields to other change descriptions in this CR or references to other CRs*> (optional)
ETSI comment	
R&S conclusion	

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

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

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

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

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

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

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

ETSI comment: This field may be used by ETSI collegues 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

4.3.1 G_CellConfigInfo constraints

TTCN objects	c_G_CellConfigInfoGSM1800 c_G_CellConfigInfoGSM1900 c_G_CellConfigInfoGSM450 c_G_CellConfigInfoGSM480 c_G_CellConfigInfoGSM900 c_G_CellConfigInfoGSM900_CellA c_G_CellConfigInfoGSM900_CellB c_G_CellConfigInfoGSM900_CellC
Reference ATS	RRC_wk51.mp
Change Label	WA#2G3RRC0174
Reason for change	The MNC digits are incorrectly coded.
Summary of change	Change MNC digits from 'F01'H to '01F'H.
Other affected objects	
ETSI comment	
R&S conclusion	

5 Branches executed in test case 8.3.7.4

Execution 1 of the test case implementation was executed for the GSM 1800 and the GSM 900 band in CS Mode and Combined Attach (CSPS) Mode with Integrity activated and Ciphering disabled. All 4 executions came to a clear PASS.

For the sake of simplicity, only logs for both branches (CS and Combined Attach) in the GSM 1800 band are submitted.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case in CS as well as in Combined Attach (CSPS) mode on the Rohde & Schwarz 3G System Simulators CRTU-W and CRTU-G. The documentation below is enclosed as evidence of the successful test case run T1-031772a.zip [1]:

a) TTCN ATS containing modified tc_8_3_7_4.

b1) Execution log files TC_8_3_7_4_CS_1800\Index.html
This execution log files in HTML format show the dynamic behaviour of the test's CS branch 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.

b2) Execution log files TC_8_3_7_4_CSPS_1800\Index.html
This execution log files in HTML format show the dynamic behaviour of the test's Combined Attach (CSPS) branch 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.

c1) PICS/PIXIT file TC_8_3_7_4_CS_1800_Pics_Pixit.txt
Text file containing all PICS/PIXIT parameters used for CS testing.

c2) PICS/PIXIT file TC_8_3_7_4_CSPS_1800_Pics_Pixit.txt
Text file containing all PICS/PIXIT parameters used for Combined Attach (CSPS) testing.

7 References

[1]	T1-031772a.zip Archive comprising HTML Execution log files, PICS/PIXIT files and the TTCN MP file for tc_8_3_7_4.
[2]	T1-031468.doc (22/11/2003) First CR document for tc_8_3_7_4 provided by Rohde & Schwarz.
[3]	RRC_wk51.mp ETSI RRC ATS version of week 51.

8 Annex A: List of change labels and affected TTCN objects

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

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

Change Labels	Affected TTCN Objects	Ref. ATS
WA#2G3RRC0174	c_G_CellConfigInfoGSM1800 c_G_CellConfigInfoGSM1900 c_G_CellConfigInfoGSM450 c_G_CellConfigInfoGSM480 c_G_CellConfigInfoGSM900 c_G_CellConfigInfoGSM900_CellA c_G_CellConfigInfoGSM900_CellB c_G_CellConfigInfoGSM900_CellC	RRC_wk51.mp [3]

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031778

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **187** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Change to performing Integrity Protection in TC 12.2.1.1
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	19/11/2003
Category:	⌘	**F**
Release:	⌘	R99

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

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

Reason for change: ⌘

1. In 34.123-1, the expected sequence table for 12.2.1.1 test case, Test steps 7a and 23aa specifies " The SS starts integrity protection and releases the RRC connection", after processing SERVICE REQUEST from UE. But in the TTCN implementation of the test case, SS does not start integrity protection before releasing RRC connection.
2. In TTCN NASv330.mp, for test case 12.2.1.1 test step 43 and 59 step +ts_PS_PagingResp (tsc_CellA, terminatingInteractiveCall, FALSE) is called to release the RRC connection.
3. The last parameter for ts_PS_PagingResp is 'FALSE'; this will internally release the RRC connection without starting integrity protection.

Summary of change: ⌘

Following TTCN change required for performing integrity protection before RRC connection release -

1. Step 43 and 59 for tc_12_2_1_1 needs to be modified to +ts_PS_PagingResp (tsc_CellA, terminatingInteractiveCall, TRUE) and
2. Step 7 of ts_PS_PagingResp needs to be modified to +ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain)

Consequences if not approved: ⌘ The testcase will be non compliant with the 34.123-1

Clauses affected: ⌘ N/A

Y | N

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

How to create CRs using this form:

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

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

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

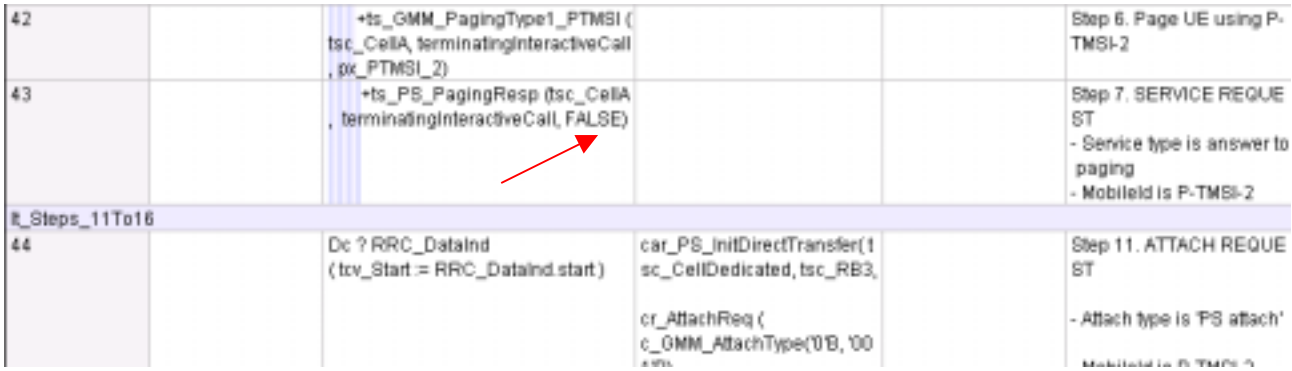
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change 1.

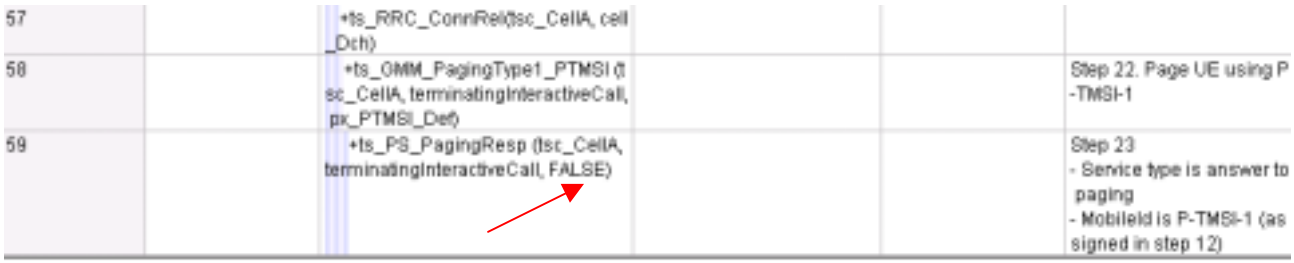
Local Tree and Test step	tc_12_2_1_1 step
Reason for change	StartIntegrity parameter needs to be changed to TRUE for SS enabling security after handling Paging response.
Summary of change	Step 43 and 59 for tc_12_2_1_1 needs to be modified to +ts_PS_PagingResp (tsc_CellA, terminatingInteractiveCall, ***TRUE***)

Before:

Change 1.1



Change 1.2



After :

Change 1.1

42		+ts_GMM_PagingType1_PTMSI (tsc_CellA, terminatingInteractiveCall , px_PTMSI_2)			Step 6. Page UE using P-TMSI-2
43		+ts_PS_PagingResp (tsc_CellA , terminatingInteractiveCall, TRUE)			Step 7. SERVICE REQUEST - Service type is answer to paging - MobileId is P-TMSI-2
It_Steps_11To16					
44		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	cer_PS_InitDirectTransfer(1 sc_CellDedicated, tsc_RB3, cr_AttachReq (c_GMM_AttachType('01'B, '00 1'B), c_MobileIdPTMSI_lv (px_PT MSI_2), c_RAI_Def_v, -, tcv_PS_KeySeq))		Step 11. ATTACH REQUEST - Attach type is 'PS attach' - MobileId is P-TMSI-2 - RAI-1 and - no P-TMSI-2 signature

Change 1.2

57		+ts_RRC_ConnRel(tsc_CellA, cell _Dch)			
58		+ts_GMM_PagingType1_PTMSI (t sc_CellA, terminatingInteractiveCall, px_PTMSI_Def)			Step 22. Page UE using P-TMSI-1
59		+ts_PS_PagingResp (tsc_CellA, terminatingInteractiveCall, TRUE)			Step 23 - Service type is answer to paging - MobileId is P-TMSI-1 (as signed in step 12)

Change 2.

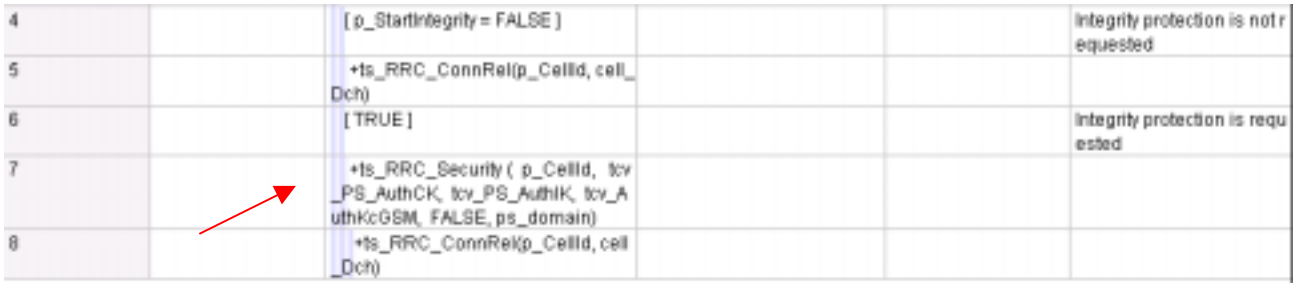
Local Tree and Test step	Step 7 of ts_PS_PagingResp
Reason for change	Enabling security after receiving Paging response
Summary of change	In place of ts_GMM_SecurityProtection(p_CellId) the test step +ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, FALSE, ps_domain) is added because the ts_RRC_Security test step needs to be called with p_NewKey =FALSE. Hence the test step call is changed from ts_GMM_SecurityProtection to ts_RRC_Security.

Before :

Change 2.1

After :

Change 2.1



<End of document >

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031781

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **188** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Correction of POLL bit checking in test case 7.2.3.18
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	19/11/2003
Category:	⌘	
Release:	⌘	R99

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

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

Use one of the following releases:

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

Reason for change:	⌘	The testcase requirements suggest that "The UE shall return uplink PDUs that contain polls for status in sequence numbers 2 * P – 1 and 4 * P – 1. No other PDUs shall poll for status." But the TTCN (F)ail verdict is not assigned, if the UE transmits PDUs with sequence numbers 2*P-1 and 4*P-1 without poll request.
Summary of change:	⌘	In the TTCN, a (F)ail verdict is assigned, if the UE transmits PDUs with sequence numbers 2*P-1 and 4*P-1 without poll request.
Consequences if not approved:	⌘	Test cases will not be conformant to the prose.

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

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

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

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

Test case name	tc_7_2_3_18
Reason for change	The testcase requirements suggest that "The UE shall return uplink PDUs that contain polls for status in sequence numbers 2 * P – 1 and 4 * P – 1. No other PDUs shall poll for status." But the TTCN (F)ail verdict is not assigned, if the UE transmits PDUs with sequence numbers 2*P-1 and 4*P-1 without poll request.
Summary of change	In the TTCN, a (F)ail verdict is assigned, if the UE transmits PDUs with sequence numbers 2*P-1 and 4*P-1 without poll request.
Source of change	Test cases will not be conformant to the prose.

Before:

lt_CheckPollBit(p_P: INTEGER)					
0		[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]			8
0		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			8
1		(tcv_NumPollsRx := tcv_NumPollsRx + 1)			
2		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(BIT_TO_INT(tcv_AMD_PDU.seqNum) + 1), (2 * (tcv_PayloadSize + 2)) - 5)		8
3	TBP1	[(BIT_TO_INT(tcv_AMD_PDU.seqNum) = 2 * p_P - 1) OR (BIT_TO_INT(tcv_AMD_PDU.seqNum) = 2 * 2 * p_P - 1)]		(P)	8
3	TBF1	[TRUE]		(F)	8

After:

lt_CheckPollBit(p_P: INTEGER)					
0		[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]			8
1		[(BIT_TO_INT(tcv_AMD_PDU.seqNum) = 2 * p_P - 1) OR (BIT_TO_INT(tcv_AMD_PDU.seqNum) = 2 * 2 * p_P - 1)]		(F)	
1		[TRUE]			
0		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			8
1		(tcv_NumPollsRx := tcv_NumPollsRx + 1)			
2		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(BIT_TO_INT(tcv_AMD_PDU.seqNum) + 1), (2 * (tcv_PayloadSize + 2)) - 5)		8
3	TBP1	[(BIT_TO_INT(tcv_AMD_PDU.seqNum) = 2 * p_P - 1) OR (BIT_TO_INT(tcv_AMD_PDU.seqNum) = 2 * 2 * p_P - 1)]		(P)	8
3	TBF1	[TRUE]		(F)	8

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031786

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **181** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Correction of STATUS PDU checking in TC 7.2.3.34
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	19/11/2003
Category:	⌘	
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	In the 7.2.3.34 test specification – test procedure: “b) The SS checks the STATUS PDUs received on the uplink until both SDUs have been cknowledged.”. In TTCN, acknowledgements are not checked.
Summary of change:	⌘	In Test case 7.2.3.34 a local test step “lt_RxAckSN0to3” is added after line 9 and received PDU is copied into “tcv_StatusPDU”.
Consequences if not approved:	⌘	Test cases will not be conformant to the prose.

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

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

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

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

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

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

Test case name	tc_7_2_3_34
Reason for change	In the 7.2.3.34 test specification – test procedure: “b) The SS checks the STATUS PDUs received on the uplink until both SDUs have been cknowledged.”. In the TTCN, acknowledgements are not checked.
Summary of change	In Test case 7.2.3.34 a local test step “lt_RxAckSN0to3” is added after line 9 and received PDU is copied into “tcv_StatusPDU”.
Source of change	Test cases will not be conformant to the prose.

Before:

7		+ts_TxAM_7_PRBS(tsc_P_Poll , c_Lis1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			1
8		TM ? RxStatus	car_StatusInd(tsc_RB_AM_7_RLC)		2
9		TM ! TxReset	cas_ResetReq(tsc_RB_AM_7_RLC, cs_Reset('01'B, '00000000000000000000'B, (2 * (tcv_PayloadSize + 2)) - 7))		3

After:

7		+ts_TxAM_7_PRBS(tsc_P_Poll , c_Lis1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			1
8		TM ? RxStatus (tcv_StatusPDU := RxStatus.data)	car_StatusInd(tsc_RB_AM_7_RLC)		2
9		+lt_RxAckSN0to3			
10		TM ! TxReset	cas_ResetReq(tsc_RB_AM_7_RLC, cs_Reset('01'B, '00000000000000000000'B, (2 * (tcv_PayloadSize + 2)) - 7))		3

lt_RxAckSN0to3					
0		(tcv_ResAndSUFIs := o_SUFI_Handler(cr_SUFI_Params(INT_TO_BIT(0, tsc_AM_SN_Size), INT_TO_BIT(3, tsc_AM_SN_Size), *, *, *, *, *, *), tcv_StatusPDU.superFieldsAndPadRx))			
1		[tcv_ResAndSUFIs.result = TRUE]		(P)	
1		[tcv_ResAndSUFIs.result = FALSE]		(F)	

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031787

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **177** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	New C-RNTI should not be present in TC 8.2.6.20
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	19/11/2003
Category:	⌘	**F**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	1. According to 34.123 the IE **New C-RNTI** should not be present in the message PHYSICAL CHANNEL RECONFIGURATION (in Step 1,of the test case 8.2.6.20). Currently SS is sending the PHYSICAL CHANNEL RECONFIGURATION message containing the IE **New C-RNTI** present (with new-C-RNTI value 0000000000000001).
Summary of change:	⌘	The following TTCN change is required for not sending the IE New-C-RNTI in the message PHYSICAL CHANNEL RECONFIGURATION - In tc_8_2_6_20, the fifth parameter of ds_PhyChReconfDCH_To_URA_Id_1 to be set to OMIT (Line number 12).
Consequences if not approved:	⌘	The testcase will be non compliant with the 34.123-1

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

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

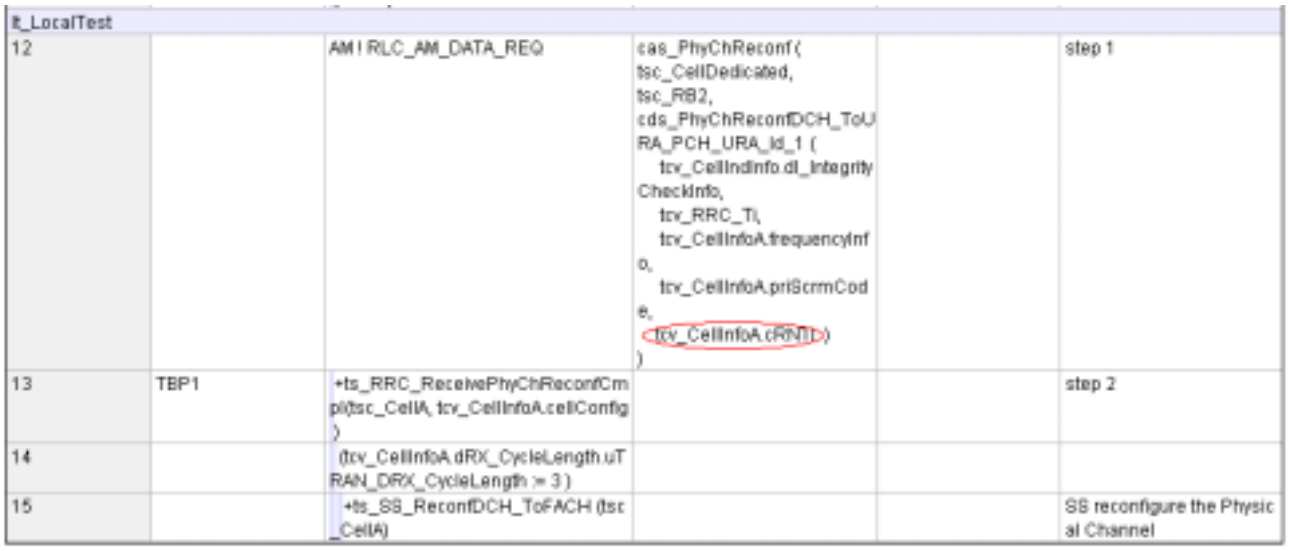
1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

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

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

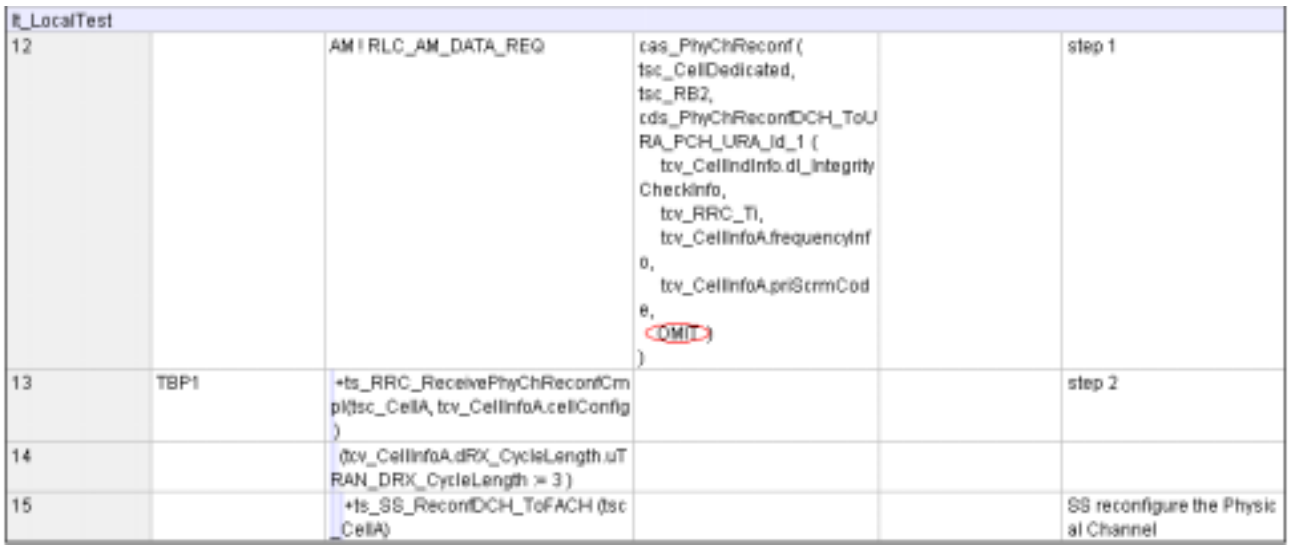
Local Tree and Test step	tc_8_2_6_20 step
Reason for change	According to 34.123 the IE **New C-RNTI** should not be present in the message PHYSICAL CHANNEL RECONFIGURATION (in Step 1,of the test case 8.2.6.20).
Summary of change	The following TTCN change required for not sending the IE New-C-RNTI in the message PHYSICAL CHANNEL RECONFIGURATION - In tc_8_2_6_20, the fifth parameter of ds_PhyChReconfDCH_To_URA_Id_1 to be set to OMIT (Line number 12).

Before:



lt_LocalTest					
12		AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfDCH_ToURA_PCH_URA_Id_1 (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.cRNTI))		step 1
13	TBP1	+ts_RRC_ReceivePhyChReconfCmpl(tsc_CellA, tcv_CellInfoA.cellConfig)			step 2
14		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength >= 3)			
15		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)			SS reconfigure the Physical Channel

After:



lt_LocalTest					
12		AM ! RLC_AM_DATA_REQ	cas_PhyChReconf (tsc_CellDedicated, tsc_RB2, cds_PhyChReconfDCH_ToURA_PCH_URA_Id_1 (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, OMIT))		step 1
13	TBP1	+ts_RRC_ReceivePhyChReconfCmpl(tsc_CellA, tcv_CellInfoA.cellConfig)			step 2
14		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength >= 3)			
15		+ts_SS_ReconfDCH_ToFACH (tsc_CellA)			SS reconfigure the Physical Channel

<End of document >

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031788

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **178** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Unnecessary waiting time for (re)configuration in Test Case 8.2.2.23
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	24/11/2003
Category:	⌘	**F**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	In Cell_FACH to Cell_PCH Radio brearer reconfiguration test case 8.2.2.23, there is no need for any waiting time for (re)configuration after radio bearer reconfiguration message.
Summary of change:	⌘	1. Removed call to test step ts_RRC_Delay (tsc_WaitBeforeFACH_Conf) from Line 12 of testcase 8_2_2_23.
Consequences if not approved:	⌘	Due to the unnecessary waiting time after radio bearer reconfiguaration message test case will fail receiving an early radio bearer reconfiguaration complete message and handled by Default handler.

Clauses affected:	⌘	N/A

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

Other comments: ⌘

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

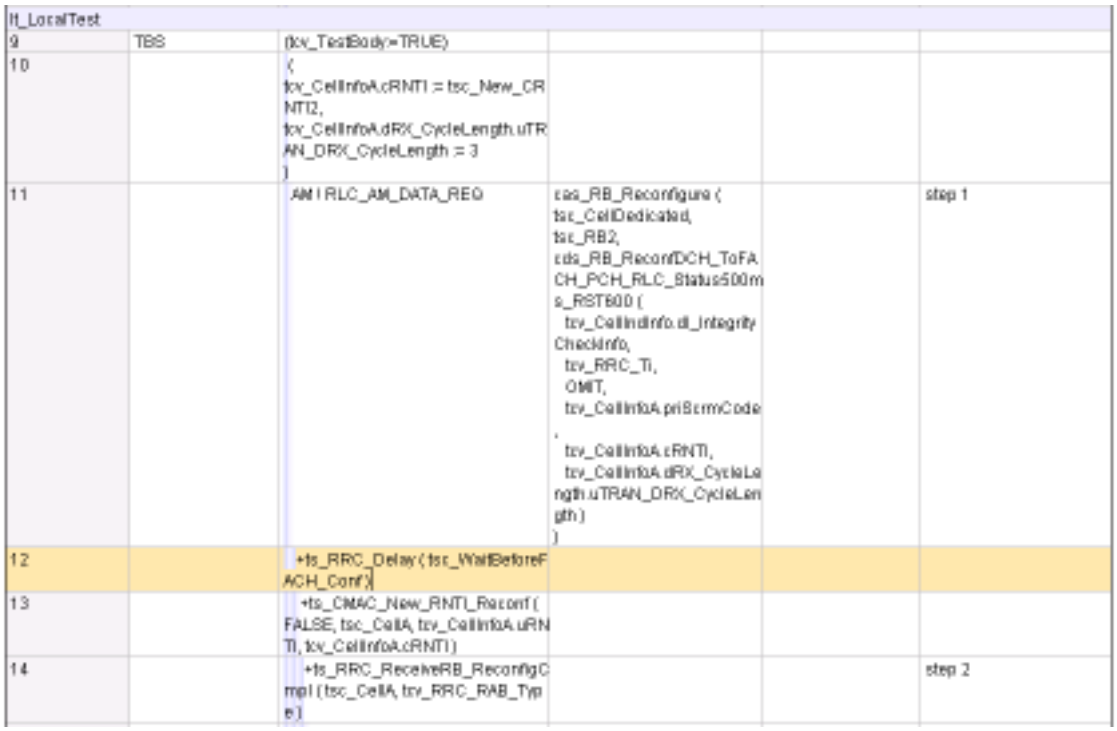
1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

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

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

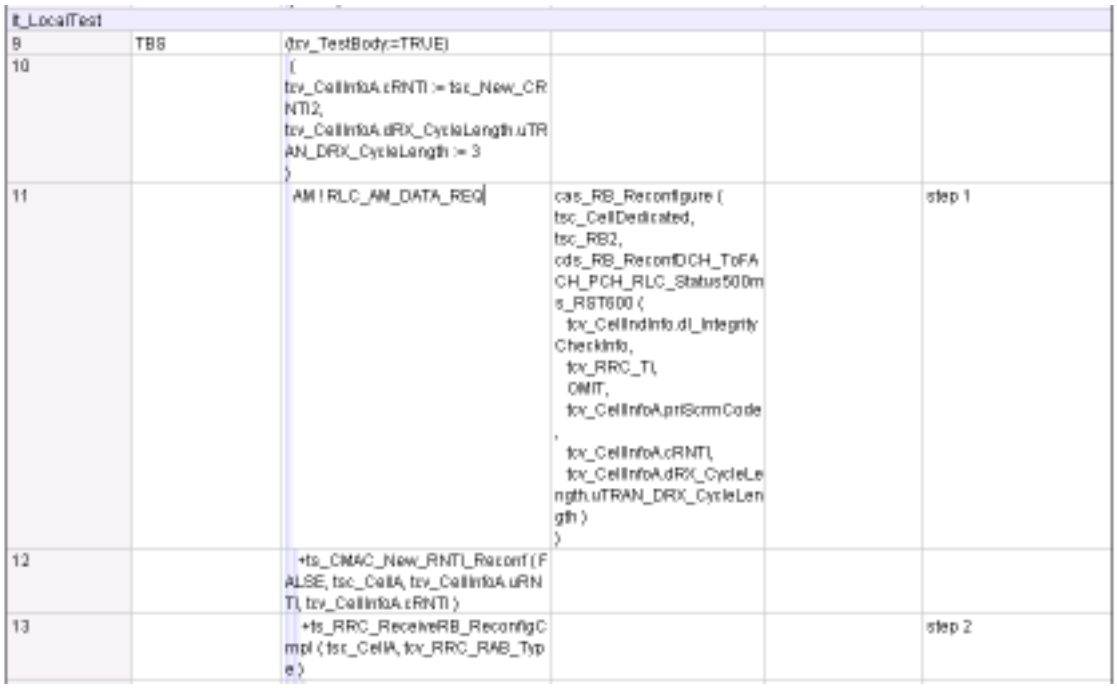
Local Tree and Test step	Tc_8_2_2_23
Reason for change	In Cell_FACH to Cell_PCH Radio brearer reconfiguration test case 8.2.2.23, there is no need for any waiting time for (re)configuration after radio bearer reconfiguration message.
Summary of change	Removed call to test step ts_RRC_Delay (tsc_WaitBeforeFACH_Conf) from Line 12 of testcase 8_2_2_23.
Source of change	new change

Before:



lt_LocalTest					
9	TBS	(tcv_TestBody=TRUE)			
10		(tcv_CellInfoA.cRNTI = tsc_New_CRNTI2, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength = 3)			
11		AM ! RLC_AM_DATA_REQ	cas_RB_Reconfigure (tsc_CellDedicated, tsc_RB2, cds_RB_ReconfDCH_ToFACH_PCH_RLC_Status500ms_RST600 (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, OMIT, tcv_CellInfoA.priScrmCode , tcv_CellInfoA.cRNTI, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		step 1
12		+ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)			
13		+ts_CMAC_New_RNTI_Reconf (FALSE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			
14		+ts_RRC_ReceiveRB_ReconfigCmpl (tsc_CellA, tcv_RRC_RAB_Type)			step 2

After:



lt_LocalTest					
9	TBS	(tcv_TestBody=TRUE)			
10		(tcv_CellInfoA.cRNTI := tsc_New_CRNTI2, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3)			
11		AM ! RLC_AM_DATA_REQ	cas_RB_Reconfigure (tsc_CellDedicated, tsc_RB2, cds_RB_ReconfDCH_ToFACH_PCH_RLC_Status500ms_RST600 (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, OMIT, tcv_CellInfoA.priScrmCode , tcv_CellInfoA.cRNTI, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		step 1
12		+ts_CMAC_New_RNTI_Reconf (FALSE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)			
13		+ts_RRC_ReceiveRB_ReconfigCmpl (tsc_CellA, tcv_RRC_RAB_Type)			step 2

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031789

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **182** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Correction of the number of negatively acknowledge PDUs in TC 7.2.3.16
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	27/11/2003
Category:	⌘	
Release:	⌘	R99

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

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

Reason for change:	⌘	1. In Test case 7.2.3.16 - – test procedure c) is defined: *"The SS transmits a STATUS PDU negatively acknowledging the first uplink RLC PDU as missing".* In the source code line#18: *"Negatively acknowledge PDU with sequence numbers 0 and 1"*. 2. In test procedure d) states: *"The SS waits for the RLC PDU to be retransmitted …".* The implementation of source code awaits the reception of two retransmitted uplink RLC PDU.
Summary of change:	⌘	1. In Test case 7.2.3.16, at line number 18 change the constraint "c_SNiLi(0, 1)" to "c_SNiLi(0, 0)". 2. At line numer 21 a local tree is called to read the retransmitted PDU."lt_RxPDU_0"
Consequences if not approved:	⌘	Test cases will not be conformant to the prose.

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

How to create CRs using this form:

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

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

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

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

Test case name	tc_7_2_3_16
Reason for change	1. In Test case 7.2.3.16 - – test procedure c) is defined: *"The SS transmits a STATUS PDU negatively acknowledging the first uplink RLC PDU as missing".* In the source code line#18: *"Negatively acknowledge PDU with sequence numbers 0 and 1"*. 2. In test procedure d) states: *"The SS waits for the RLC PDU to be retransmitted …".* The implementation of source code awaits the reception of two retransmitted uplink RLC PDU.
Summary of change	1. In Test case 7.2.3.16, at line number 18 change the constraint "c_SNiLi(0, 1)" to "c_SNiLi(0, 0)". 2. At line numer 21 a local tree is called to read the retransmitted PDU."lt_RxPDU_0"
Source of change	Test cases will not be conformant to the prose.

Before:

18		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_List1AndNoMore(c_SNiLi(0, 1)), (2 * (tcv_PayloadSize + 2)) - 8)		7
19		(tcv_RxPRBS_Pos := 0, tcv_StatusReceived := TRUE, tcv_NumPDUsReceived := 0, tcv_OtherReceived := FALSE)			8
20		+ts_GetRxAM_PRBS(tcv_PayloadSize)			9
21		REPEAT lt_RxPDUs UNTIL [(tcv_NumPDUsReceived = 2) OR (tcv_OtherReceived = TRUE)]			10

After:

18		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_List1AndNoMore (c_SNiLi(0, 0)), (2 * (tcv_PayloadSize + 2)) - 8)		7
19		(tcv_RxPRBS_Pos := 0, tcv_StatusReceived := TRUE, tcv_NumPDUsReceived := 0, tcv_OtherReceived := FALSE)			8
20		+ts_GetRxAM_PRBS(tcv_PayloadSize)			9
21		+lt_RxPDU_0			10

lt_RxPDU_0					
39		TM ? RxAMD (tcv_AMD_PDU := RxAMD.data)	car_DataInd(tsc_RB_AM_7_RLC, cr_AMD_Data(tcv_AM_RxData.data))	(P)	

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031790

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **183** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Correction of sequence number checking and verdict assignments in TC 7.2.3.17
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	27/11/2003
Category:	⌘	
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	1. In Test case 7.2.3.17 – test procedure b) is defined: *"The SS checks the sequence numbers and polling bits of the RLS PDUs returned on the uplink"* If the Poll bit is not set for "tcv_NumPDUsRx MOD p_P = 0", no fail verdict will be assigned by the TTCN. 2. The uplink Sequence numbers are not checked in the TTCN code.
Summary of change:	⌘	1. In Test case 7.2.3.17, in local tree "lt_UpdateVRH_AndCheckPollBit" add the assign (F) verdict if "tcv_NumPDUsRx MOD p_P = 0". 2. A local tree "lt_checkSeqNum" is added for checking the sequence numbers.
Consequences if not approved:	⌘	Test cases will not be conformant to the prose.

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

How to create CRs using this form:

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

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

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

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

Test case name	tc_7_2_3_17
Reason for change	1. In Test case 7.2.3.17 – test procedure b) is defined: *"The SS checks the sequence numbers and polling bits of the RLS PDUs returned on the uplink"* If the Poll bit is not set for "tcv_NumPDUsRx MOD p_P = 0", no fail verdict will be assigned by the TTCN. 2. In the up link Sequence numbers are not checked in the TTCN code.
Summary of change	1. In Test case 7.2.3.17, in local tree "lt_UpdateVRH_AndCheckPollBit" add the assign (F) verdict if "tcv_NumPDUsRx MOD p_P = 0". 2. A local tree "lt_checkSeqNum" is added for checking the sequence numbers.
Source of change	Test cases will not be conformant to the prose.

Before:

lt_UpdateVRH_AndCheckPollBit(p_P: INTEGER)					
0		+ts_UpdateVRH(tcv_AMD_PDU)			
1		[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]			6
1		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			6
2	TBP1	[tcv_NumPDUsRx = p_P]		(P)	7
3		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Nack0And1(tcv_AM_VRH), (2 * (tcv_PayloadSize + 2)) - 11)		7
2	TBP2	[tcv_NumPDUsRx = 2 * p_P]		(P)	7
3		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(tcv_AM_VRH), (2 * (tcv_PayloadSize + 2)) - 5)		7
2	TBP3	[tcv_NumPDUsRx = 3 * p_P]		(P)	7
3		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(tcv_AM_VRH), (2 * (tcv_PayloadSize + 2)) - 5)		7
2	TBF1	[TRUE]		(F)	7

lt_PollEveryPollPU_Test(p_RLC_Info: RLC_Info; p_P: INTEGER)					
5		+pr_RB_SetupAM7(p_RLC_Info)			
6		+pr_CloseUE_TestLoop((tcv_PayloadSize - 1) * 8)			
7		(tcv_NumPDUsTx := 0, tcv_NumPDUsRx := 0)			
8	TBS	(tcv_TestBody := TRUE)			
9		START t_TTI			2

lt_CheckPollBitAndUpdateVars(p_P: INTEGER)					
22		(tcv_NumPDUsRx := tcv_NumPDUsRx + 1)			4
23		+lt_UpdateVRH_AndCheckPollBit(p_P)			6
24		+ts_IncrementAM_VRR			4

After:

lt_UpdateVRH_AndCheckPollBit(p_P: INTEGER)					
0		+ts_UpdateVRH(tcv_AMD_PDU)			
1		[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]			6
2		[(tcv_NumPDUsRx = p_P) OR (tcv_NumPDUsRx = 2*p_P) OR (tcv_NumPDUsRx = 3*p_P)]		(F)	
2		[TRUE]			
1		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			6
2	TBP1	[tcv_NumPDUsRx = p_P]		(P)	7
3		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Nack0And1(tcv_AM_VRH), (2 * (tcv_PayloadSize + 2)) - 11)		7
4		(tcv_CheckNextUplinkSN_Is0 := TRUE)			
2	TBP2	[tcv_NumPDUsRx = 2 * p_P]		(P)	7
3		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(tcv_AM_VRH), (2 * (tcv_PayloadSize + 2)) - 5)		7
2	TBP3	[tcv_NumPDUsRx = 3 * p_P]		(P)	7
3		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(tcv_AM_VRH), (2 * (tcv_PayloadSize + 2)) - 5)		7
2	TBF1	[TRUE]		(F)	7

lt_PollEveryPollPU_Test(p_RLC_Info: RLC_Info; p_P: INTEGER)					
0		+pr_RB_SetupAM7(p_RLC_Info)			
1		+pr_CloseUE_TestLoop((tcv_PayloadSize - 1) * 8)			
2		(tcv_NumPDUsTx := 0, tcv_NumPDUsRx := 0, tcv_CheckNextUplinkSN_Is0 := FALSE, tcv_NumPDUsReceived := 0)			
3	TBS	(tcv_TestBody := TRUE)			

lt_CheckPollBitAndUpdateVars(p_P: INTEGER)					
0		(tcv_NumPDUsRx := tcv_NumPDUsRx + 1)			4
1		+lt_checkSeqNum			
2		+lt_UpdateVRH_AndCheckPollBit(p_P)			6
3		+ts_IncrementAM_VRR			4

lt_checkSeqNum					
0		[tcv_AM_VRH = BIT_TO_INT(tcv_AMD_PDU.seqNum)]		(P)	
0		[TRUE]			
1		[tcv_CheckNextUplinkSN_Is0 = TRUE]			
2		[tcv_NumPDUsReceived = 0]			
3		[0 = BIT_TO_INT(tcv_AMD_PDU.seqNum)]		(P)	
4		(tcv_NumPDUsReceived := 1)			
3		[TRUE]		(F)	
2		[tcv_NumPDUsReceived = 1]			
3		[1 = BIT_TO_INT(tcv_AMD_PDU.seqNum)]		(P)	
4		(tcv_CheckNextUplinkSN_Is0 := FALSE)			
3		[TRUE]		(F)	
1		[TRUE]		(F)	

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031791

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **184** ⌘**rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Poll Bit and STATUS PDU content checking in TC 7.2.3.14
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	19/11/2003
Category:	⌘	
Release:	⌘	R99

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

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

Reason for change:	⌘	1. In test case 7.2.3.14, procedure paragraph b) suggests "The SS checks the RLC SDUs received on the uplink, responding to poll requests with acknowledgements." In the TTCN the Poll bit is checked only at the boundary of window. 2. In test requirements 2: "SN=2W shall not be indicated as received in the STATUS PDU. Negative acknowledgements shall not be indicated for SN=W to 2W-1 either". In the TTCN there is no check for the STATUS PDU contents.
Summary of change:	⌘	1. In the test case 7.2.3.14, in local test step "lt_ChkPollBitAndStatus" the check for the Poll bit is added even if the PDU transmitted is not at the boundary of window and responded with ACK. 2. A local test step "lt_ChkStatus" is add to check the STATUS PDU received.
Consequences if not approved:	⌘	Test cases will not be conformant to the prose.

Clauses affected:	⌘	

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

Other comments: ⌘

How to create CRs using this form:

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

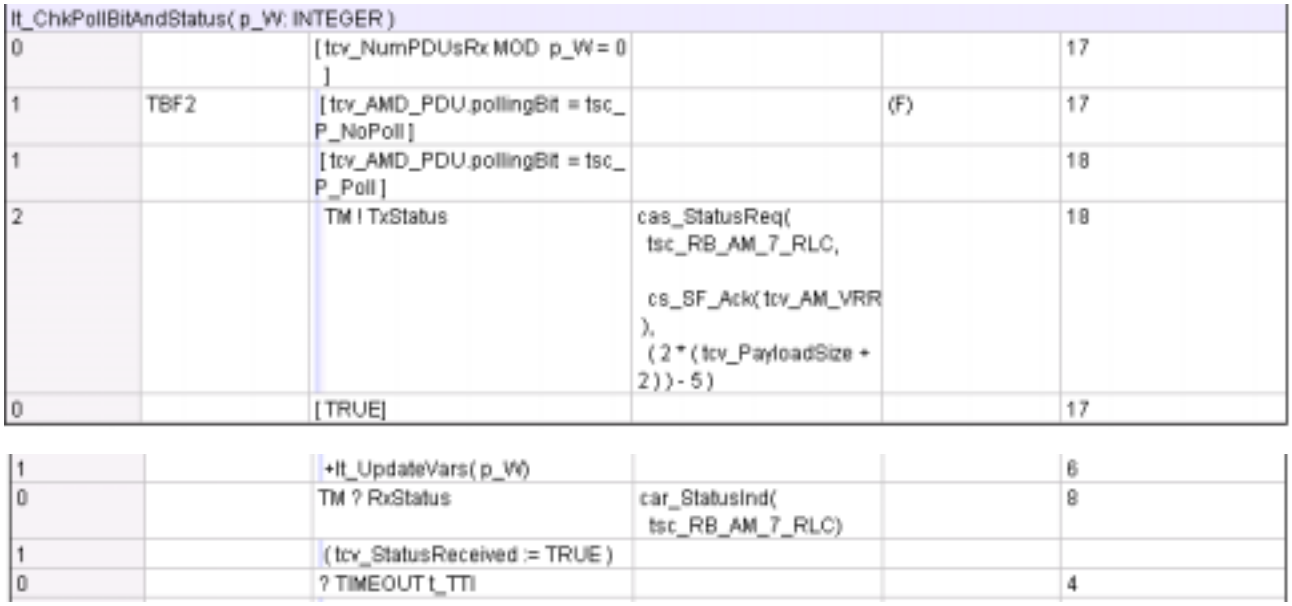
1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

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

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

Test case name	tc_7_2_3_14
Reason for change	1. In test case 7.2.3.14, procedure paragraph b) suggests “The SS checks the RLC SDUs received on the uplink, responding to poll requests with acknowledgements.” In the TTCN the Poll bit is checked only at the boundary of window. 2. In test requirements 2: “SN=2W shall not be indicated as received in the STATUS PDU. Negative acknowledgements shall not be indicated for SN=W to 2W-1 either”. In the TTCN there is no check for the STATUS PDU contents.
Summary of change	1. In the test case 7.2.3.14, in local test step “lt_ChkPollBitAndStatus” check for the POLL bit is added even the PDU transmitted is noot at the boundary of window and responded with ACK. 2. A local test step “lt_ChkStatus” is add to check the STATUS PDU received.
Source of change	Test cases will not be conformant to the prose.

Before:



lt_ChkPollBitAndStatus(p_W: INTEGER)					
0		[tcv_NumPDUsRx MOD p_W = 0]			17
1	TBF 2	[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]		(F)	17
1		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			18
2		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(tcv_AM_VRR), (2 * (tcv_PayloadSize + 2)) - 5)		18
0		[TRUE]			17
1		+lt_UpdateVars(p_W)			6
0		TM ? RxStatus	car_StatusInd(tsc_RB_AM_7_RLC)		8
1		(tcv_StatusReceived := TRUE)			
0		? TIMEOUT t_TTI			4

After:

lt_ChkPollBitAndStatus(p_W: INTEGER)					
0		[tcv_NumPDUsRx MOD p_W = 0]			17
1	TBF2	[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]		(F)	17
1		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			18
2		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(tcv_AM_VRR), (2 * (tcv_PayloadSize + 2)) - 5)		18
0		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			18
1		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(tcv_AM_VRR), (2 * (tcv_PayloadSize + 2)) - 5)		18
0		[TRUE]			

1		+lt_UpdateVars(p_W)			6
0		TM ? RxStatus (tcv_StatusPDU := RxStatus.data)	car_StatusInd(tsc_RB_AM_7_RLC)		8
1		+lt_ChkStatus(p_W)			
2		(tcv_StatusReceived := TRUE)			
0		? TIMEOUT t_TTI			4

lt_ChkStatus(p_W: INTEGER)					
63		(tcv_NumStatusRx := tcv_NumStatusRx + 1)			
64		[tcv_NumStatusRx = 2]			
65		(tcv_ResAndSUFIs := o_SUFI_Handler(cr_SUFI_Params(INT_TO_BIT((2*p_W), tsc_AM_SN_Size), *, *, *, *, *, *), tcv_StatusPDU.superFieldsAndPadRx))			Condition to chek if ACK is received for 2W
66		[tcv_ResAndSUFIs.result = TRUE]		(F)	
67		[tcv_ResAndSUFIs.result = FALSE]		(P)	
68		(tcv_temp := p_W)			
69		REPEAT lt_ChkStatusNAK(p_W) UNTIL [tcv_temp < p_W *2]			Check for NAK for W to 2*W - 1
70		[TRUE]			

lt_ChkStatusNAK(p_W: INTEGER)					
0		(tcv_ResAndSUFIs := o_SUFI_Handler(cr_SUFI_Params(INT_TO_BIT(0, tsc_AM_SN_Size), INT_TO_BIT(p_W, tsc_AM_SN_Size), & ' & INT_TO_BIT(tcv_temp, tsc_AM_SN_Size), & '), tcv_StatusPDU.superFieldsAndPadRx))			
1		(tcv_temp := tcv_temp +1)			
2		[tcv_ResAndSUFIs.result = TRUE]		(F)	
2		[tcv_ResAndSUFIs.result = FALSE]		(P)	

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031792

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **185** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Additional verdicts assigned in TC 7.2.3.20
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	24/11/2003
Category:	⌘	
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	In test case 7.2.3.20 – the test requirement is defined: *"The SS shall receive RLC PDUs with the P bit set in PDUs with sequence numbers of 3, 4, 5, 6 and 8. No other PDUs shall have their P bits set."* 1. In the source code no (P)ass verdict is assigned for sequence numbers 3 (TTCN line# 25) and 4 (TTCN line# 26). 2. In the source code no (F)ail verdict is assigned if PDU's with sequence numbers 3, 4, 5, 6 and 8 are received with out POLL bit set.
Summary of change:	⌘	1. In Test case 7.2.3.20, in local tree "lt_ChkPollBit" add the assign (P)ass verdict. 2. In local tree "lt_ChkPollBit" add the assign (F)ail verdict is assigned if PDU's with sequence numbers 3, 4, 5, 6 and 8 are received with out POLL bit set.
Consequences if not approved:	⌘	Test cases will not be conformant to the prose.

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

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

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

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

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

Test case name	tc_7_2_3_20
Reason for change	In Test case 7.2.3.20 – – test requirement is defined: *"The SS shall receive RLC PDUs with the P bit set in PDUs with sequence numbers of 3, 4, 5, 6 and 8. No other PDUs shall have their P bits set."* 1. In the source code no (P)ass verdict is assigned for sequence numbers 3 (TTCN line# 25) and 4 (TTCN line# 26). 2. In the source code no (F)ail verdict is assigned if PDU's with sequence numbers 3, 4, 5, 6 and 8 are received with out POLL bit set.
Summary of change	1. In Test case 7.2.3.20, in local tree "lt_ChkPollBit" add the assign (P)ass verdict. 2. In local tree "lt_ChkPollBit" add the assign (F)ail verdict is assigned if PDU's with sequence numbers 3, 4, 5, 6 and 8 are received with out POLL bit set.
Source of change	Test cases will not be conformant to the prose.

Before:

ft_ChkPollBit(p_W: INTEGER)					
22		[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]			6
23		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			6
24		(tcv_NumPollsRx := tcv_NumPollsRx + 1)			6
25		[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) - 1]			
26		[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2)]			
27	TBP1	[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 1]		(P)	7
28		+ts_TxAM_7_PRBS(tsc_P_NoPoll, c_Lls1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			7
29	TBP2	[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 2]		(P)	8
30		+ts_RLC_Delay(10 * tsc_TTI)			11
31		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(5), (2 * (tcv_PayloadSize + 2)) - 5)		8
32		+ts_TxAM_7_PRBS(tsc_P_NoPoll, c_Lls1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			8
33		+ts_TxAM_7_PRBS(tsc_P_NoPoll, c_Lls1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			8
34	TBP3	[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 4]		(P)	9
35	TBF1	[TRUE]		(F)	10

After:

ft_ChkPollBit(p_W: INTEGER)					
0		[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]			6
1		[(BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) - 1) OR (BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2)) OR (BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 1) OR (BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 2) OR (BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 4)]		(F)	
1		[TRUE]			
0		[tcv_AMD_PDU.pollingBit = tsc_P_Poll]			6
1		(tcv_NumPollsRx := tcv_NumPollsRx + 1)			6
2		[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) - 1]		(P)	
2		[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2)]		(P)	
2	TBP1	[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 1]		(P)	7
3		+ts_TxAM_7_PRBS(tsc_P_NoPoll, c_Lls1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			7
2	TBP2	[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 2]		(P)	8
3		+ts_RLC_Delay(10 * tsc_TTI)			11
4		TM ! TxStatus	cas_StatusReq(tsc_RB_AM_7_RLC, cs_SF_Ack(5), (2 * (tcv_PayloadSize + 2)) - 5)		8
5		+ts_TxAM_7_PRBS(tsc_P_NoPoll, c_Lls1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			8
6		+ts_TxAM_7_PRBS(tsc_P_NoPoll, c_Lls1_7BitLI(tcv_PayloadSize - 1), tcv_PayloadSize - 1)			8
2	TBP3	[BIT_TO_INT(tcv_AMD_PDU.seqNum) = (p_W / 2) + 4]		(P)	9
2	TBF1	[TRUE]		(F)	10

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031794

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **186** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	**SERVICE ACCEPT message NOT to be sent to UE in GMM Idle state in TCs 11.3.1 and 11.3.2.**
Source:	⌘	**Anite Telecoms**
Work item code:	⌘	**NA**
Date:	⌘	**01/12/2003**
Category:	⌘	**F**
Release:	⌘	**R99**

Reason for change:	⌘	According to 24.008 section 4.7.13.3, the SERVICE ACCEPT message shall only be sent, when the SERVICE REQUEST message was sent in MM-CONNECTED mode. In PMM-IDLE mode, the completion of the Security Mode procedure by RRC shall be considered as the completion of the Service Request procedure. In 11.3.1 and 11.3.2, the UE is in PMM-IDLE mode when the SERVICE REQUEST message is sent. In this case the indication from the RRC layer that the Security Mode procedure is completed should be considered as completion of the Service Request procedure. The SERVICE ACCEPT shall not be sent to the UE. In NAS ATS, implementation of 11.3.1 and 11.3.2, SERVICE ACCEPT message is sent to UE in PMM-IDLE mode, which is NOT correct.
Summary of change:	⌘	NAS ATS, ts_GMM_ServiceRequest test step modified for NOT sending SERVICE ACCEPT message.
Consequences if not approved:	⌘	Test case implementation not according to test specification.

Clauses affected:	⌘	11.3.1 and 11.3.2				
		Y	**N**			
Other specs Affected:	⌘		**X**	Other core specifications	⌘	34.123-3 NAS ATS
		Y	**X**	Test specifications		
			X	O&M Specifications		
Other comments:	⌘	Affects R99, Rel-4 and Rel-5 test cases.				

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

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

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

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

TTCN Change description

Local Tree and Test step	***ts_GMM_ServiceRequest*** test step for NAS ATS
Reason for change	SS should not send SERVICE ACCEPT to UE in PMM-IDLE mode.
Summary of change	Step 5 of ***ts_GMM_ServiceRequest***, which SS send SERVICE ACCEPT is removed from TTCN.
Source of change	Anite

Before Change:

3		+ts_GMM_Authentication (p_CellId)			AUTHENTICATION AND CIPHERING REQUEST AUTHENTICATION AND CIPHERING RESPONSE
4		+ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			SECURITY MODE COMMAND SECURITY MODE COMPLETE
5		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_ServiceAccept)		SERVICE ACCEPT

After Change :

3		+ts_GMM_Authentication (p_CellId)			AUTHENTICATION AND CIPHERING REQUEST AUTHENTICATION AND CIPHERING RESPONSE
4		+ts_RRC_Security (p_CellId, tcv_PS_AuthCK, tcv_PS_AuthIK, tcv_AuthKcGSM, TRUE, ps_domain)			SECURITY MODE COMMAND SECURITY MODE COMPLETE

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031795

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **179** ⌘**rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	**Modification to validate TI Flag and TI Value in TCs 11.3.1 and 11.3.2.**			
Source:	⌘	**Anite Telecoms**			
Work item code:	⌘	**N/A**	***Date:*** ⌘	**1/12/2003**	
Category:	⌘	**F**	***Release:*** ⌘	**R99**	

Reason for change: ⌘

1. 34.123-1 specifies requirement on verification of TI Flag = 0. In TTCN implementation for SM test cases 11.3.1 and 11.3.2 TI Flag is NOT validated.

2. 34.123-1 specifies requirement on TIO Value consistency in all SM test steps. In TTCN implementation for SM test cases 11.3.1 and 11.3.2 TIO Value is NOT validated for MO SM messages.

3. Variable name 'tsc_RejCau_Prot_Err' ambiguous for '*regular PDP context deactivation*' PDP context release cause.

4. In TTCN for 11.3.1 and 11.3.2 test cases, incorrect test specification reference is made in test step comments.

Summary of change: ⌘

1. Following NAS ATS modifications for explicit TI Flag validation,

a) For 11.3.1 and 11.3.2, TI Flag = 0 explicit check made by changing ACTIVATE PDP CONTEXT REQUEST PDU constraint declaration.

b) For 11.3.1, TI Flag =0 explicit check made by changing DEACTIVATE PDP CONTEXT REQUEST PDU constraint declaration.

c) For 11.3.2, TI Flag = 0 explicit check made by changing DEACTIVATE PDP CONTEXT ACCEPT PDU constraint declaration.

2. Following NAS ATS modifications for validation of TIO Value.

a) For 11.3.1

On receiving ACTIVATE PDP CONTEXT REQUEST from UE, TI value is saved in a variable

On receiving DEACTIVATE PDP CONTEXT REQUEST from UE, previously saved TI value is used to verify for correctness

b) For 11.3.2

On receiving ACTIVATE PDP CONTEXT REQUEST from UE TI value is saved in a variable

On receiving DEACTIVATE PDP CONTEXT ACCEPT from UE, previously saved TI value is used to verify for correctness.

3. 'tsc_RejCau_Prot_Err' test suite constant name is changed to 'tsc_Rej_Cau' in Test Suite Constant Declarations

4. Correct specification reference made for test steps in 11.3.1 and 11.3.2 TTCN comments

a) In 11.3.1

-Line 16 , comments changed to 'Step 2 of the specification' from 'step 6,7,8 of the test procedure'

b) In 11.3.2 at

- Line 16, comments changed to 'Step 2,2a and 3 of the specification' from 'step 6,7,8 of the test procedure'

- Line 17, comments changed to 'Step 4 of the specification' from 'Step 1'

- Line 21, comments changed to 'Step 5 of the specification' from 'Step 2'

Consequences if not approved:	⌘	Test case pass with non conformant UE. Test case implementation not according to test specification.

Clauses affected:	⌘	NAS TTCN test case 11.1.1.1, 11.3.1 and 11.3.2				
		Y	**N**			
Other specs Affected:	⌘		**X**	Other core specifications	⌘	
		Y	**X**	Test specifications		34.123-3 NAS ATS
			X	O&M Specifications		
Other comments:	⌘	Affects R99, Rel-4 and Rel-5 test cases.				

How to create CRs using this form:

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

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

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

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

1. Handling of TI Flag in 11.3.1 and 11.3.2 test cases

a) 11.3.1

34.123-1 specifies

Specific message contents

Steps 2 and 5. TI flag (bit 8) in TI IE is set to 0 (transaction initiated by the UE).

b) 11.3.2

34.123-1 specifies

Specific message contents

Steps 2 and 5. TI flag (bit 8) in TI IE is set to 0 (transaction initiated by the UE).

TTCN Changes

Local Tree and Test step	Tabular PDU Constraint declarations 1. cr_ActPDP_ContextReqMO, 2. cr_DeactPDP_ContextAcpMO and 3. cr_DeactPDP_ContextAcpMO
Reason for change	SS should validate TI Flag=0 for UE originated message as per specified test procedure. PDU Constraint declaration for PDUs changed to cr_TI_MO, which is defined with TI Flag = 0
Summary of change	For Field Name : ti Element value is changed to : ***cr_TI_MO***
Source of change	Anite

2. Handling of TIO Value in 11.3.1 and 11.3.2

a) 11.3.1

On receiving ACTIVATE PDP CONTEXT REQUEST from UE, the TI value is stored in *tcv_TI_Prev.tiVal*

When SS receives DEACTIVATE PDP CONTEXT REQUEST from UE, *tcv_TI_Prev.tiVal* used to verify received TIO value for correctness.

b) 11.3.2

On receiving ACTIVATE PDP CONTEXT REQUEST from UE, the TI value is stored in *tcv_TI_Prev.tiVal*

When SS receives DEACTIVATE PDP CONTEXT ACCEPT from UE, *tcv_TI_Prev.tiVal* used to verify received TIO value for correctness.

2.1 TTCN Changes – New test case *tcv_TI_Prev* variable declaration

Local Tree and Test step	Test Case Variable declarations
Reason for change	Variable declared to store TI Value.
Summary of change	New test case variable declaration Variable Name : tcv_TI_Prev Type: TI Value: Comments: Used for verification in SM test cases, Previously received TI value. No initial value.
Source of change	Anite

2.2 TTCN Changes – New test case *tcv_DeactPDP_ContextAccept* variable declaration

Local Tree and Test step	Test Case Variable declaration
Reason for change	Variable declared to store Deactivate PDP Context Accept message in 11.3.2 test case.
Summary of change	New test case variable declaration. Test Case Variable declaration Variable Name : tcv_DeactPDP_ContextAccept Type: DEACTIVATEPDPCONTEXTACCEPT Value: Comments:
Source of change	Anite

2.3 TTCN Changes – Changes to *ts_ActivatePDP_AcceptMO* test step

Local Tree and Test step	ts_ActivatePDP_AcceptMO
Reason for change	TI Value is saved in variable on receiving Activate PDP Context Request
Summary of change	Received TI field is saved in *tcv_TI_Prev* from ACTIVATE PDP CONTEXT REQUEST message.
Source of change	Anite

Before changes

1		+ ts_InitialiseDlyAndTrafficClass			
2		Dc ? RRC_DataInd (tcv_ActPDP_ContextReq := RRC_DataInd.msg, tcv_TI_R := tcv_ActPDP_ContextReq.ti, tcv_PktDataProtoAddr := tcv_ActPDP_ContextReq.pDP_Address, tcv_RecdNSAPI := tcv_ActPDP_ContextReq.requestedNSAPI.nSAPI_Value)	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_ActPDP_ContextReqMO(cr_QoS_InteractiveOrBackgroundMO_tv (tcv_DlyClass, tcv_TrafficClass)))		Receive PDP Context Activation Request, Store the recd NSAPI in tcv_recd_NSAPI
3		+It_InitVaariableForStaticAddress			

After TTCN Changes

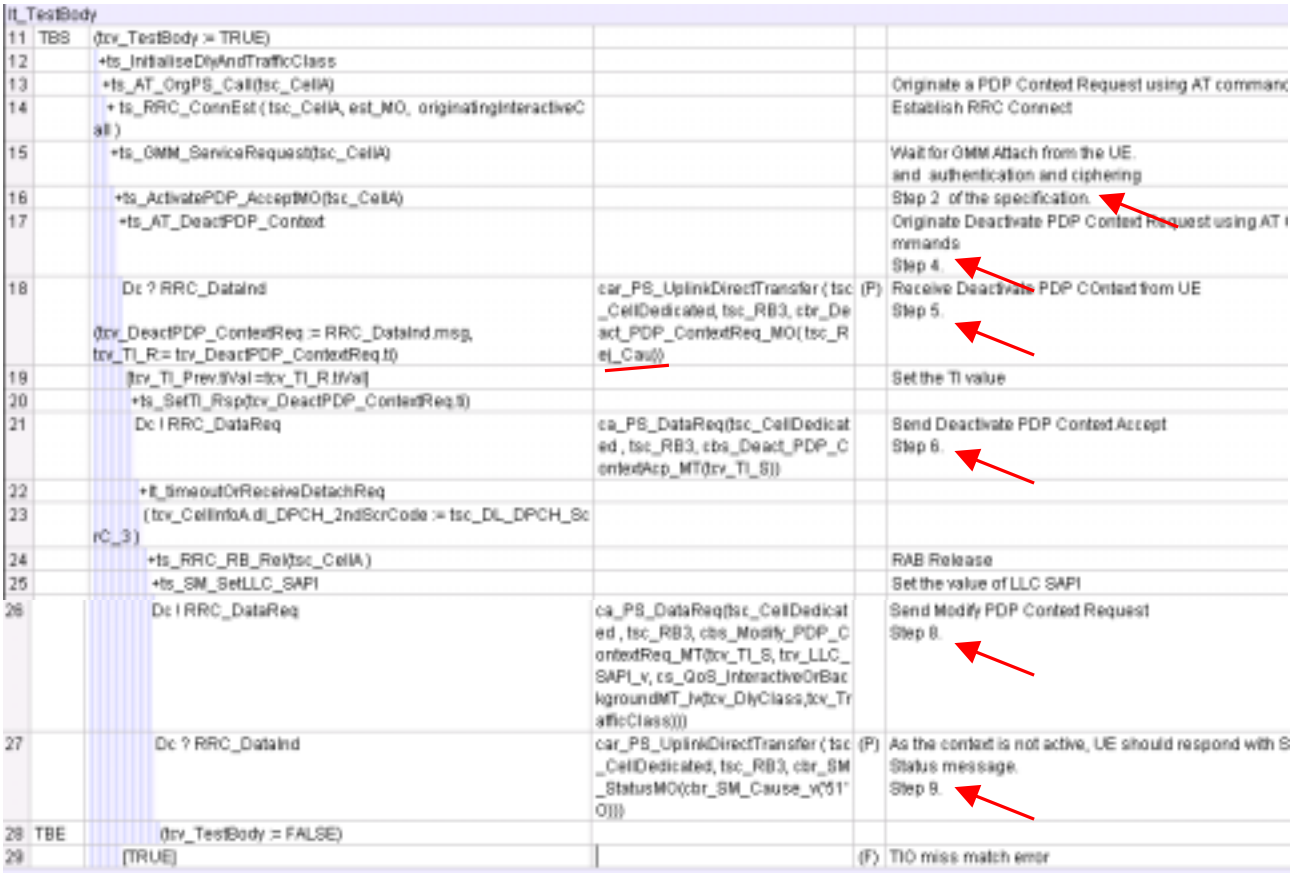
1		+ ts_InitialiseDlyAndTrafficClass			
2		Dc ? RRC_DataInd (tcv_ActPDP_ContextReq := RRC_DataInd.msg, tcv_TI_R := tcv_ActPDP_ContextReq.ti, tcv_TI_Prev :=tcv_TI_R, tcv_PktDataProtoAddr := tcv_ActPDP_ContextReq.pDP_Address, tcv_RecdNSAPI := tcv_ActPDP_ContextReq.requestedNSAPI.nSAPI_Value)	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_ActPDP_ContextReqMO(cr_QoS_InteractiveOrBackgroundMO_tv (tcv_DlyClass, tcv_TrafficClass)))	(P)	Receive PDP Context Activation Request, Store the recd NSAPI in tcv_recd_NSAPI
3		+It_InitVaariableForStaticAddress			

2.4 TTCN Changes – Validation of TI Value in test case 11.3.1

11.3.1 Test case Before changes :

lt_TestBody					
11	TBS	(tcv_TestBody := TRUE)			
12		+ts_InitialiseDlyAndTrafficClass			
13		+ts_AT_OrgPS_Call(tsc_CellA)			Originate a PDP Context Request using AT co mmands
14		+ ts_RRC_ConnEst (tsc_CellA, est_MO, originalinginter activeCall)			Establish RRC Connect
15		+ts_GMM_ServiceRequest(tsc_CellA)			Wait for GMM Attach from the UE. and authentication and ciphering
16		+ts_ActivatePDP_AcceptMO(tsc_CellA)			step 6,7,8 of the test procedure
17		+ts_AT_DeactPDP_Context			Originate Deactivate PDP Context Request usi ng AT Commands
18		Dc ? RRC_DataInd (tcv_DeactPDP_ContextReq := RRC_DataInd.msg, tcv_TI_R:= tcv_DeactPDP_ContextReq.ti)	car_PS_UplinkDirectTransfer (tsc _CellDedicated, tsc_RB3, cbr_De act_PDP_ContextReq_MO(tsc_R ejCau_Prot_Err))		Receive Deactivate PDP COntext from UE
19		+ts_SetTI_Rsp(tcv_DeactPDP_ContextReq.ti)			Set the TI value
20		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicat ed , tsc_RB3, cbs_Deact_PDP_C ontextAcp_MT(tcv_TI_S))		Send Deactivate PDP Context Accept
21		+lt_TimeoutOrReceiveDetachReq			
22		(tcv_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DP CH_ScrC_3)			
23		+ts_RRC_RB_Rel(tsc_CellA)			RAB Release
24		+ts_SM_SetLLC_SAPI			Set the value of LLC SAPI
25		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicat ed , tsc_RB3, cbs_Modify_PDP_C ontextReq_MT(tcv_TI_S, tcv_LLC_ SAPI_v, cs_QoS_InteractiveOrBac kgroundMT_iv(tcv_DlyClass,tcv_Tr afficClass)))		Send Modify PDP Context Request
26		Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer (tsc _CellDedicated, tsc_RB3, cbr_SM _StatusMO(cbr_SM_Cause_v('51' O)))	(P)	As the context is not active, UE should respond with SM Status message.
27	TBE	(tcv_TestBody := FALSE)			

11.3.1 TTCN After changes



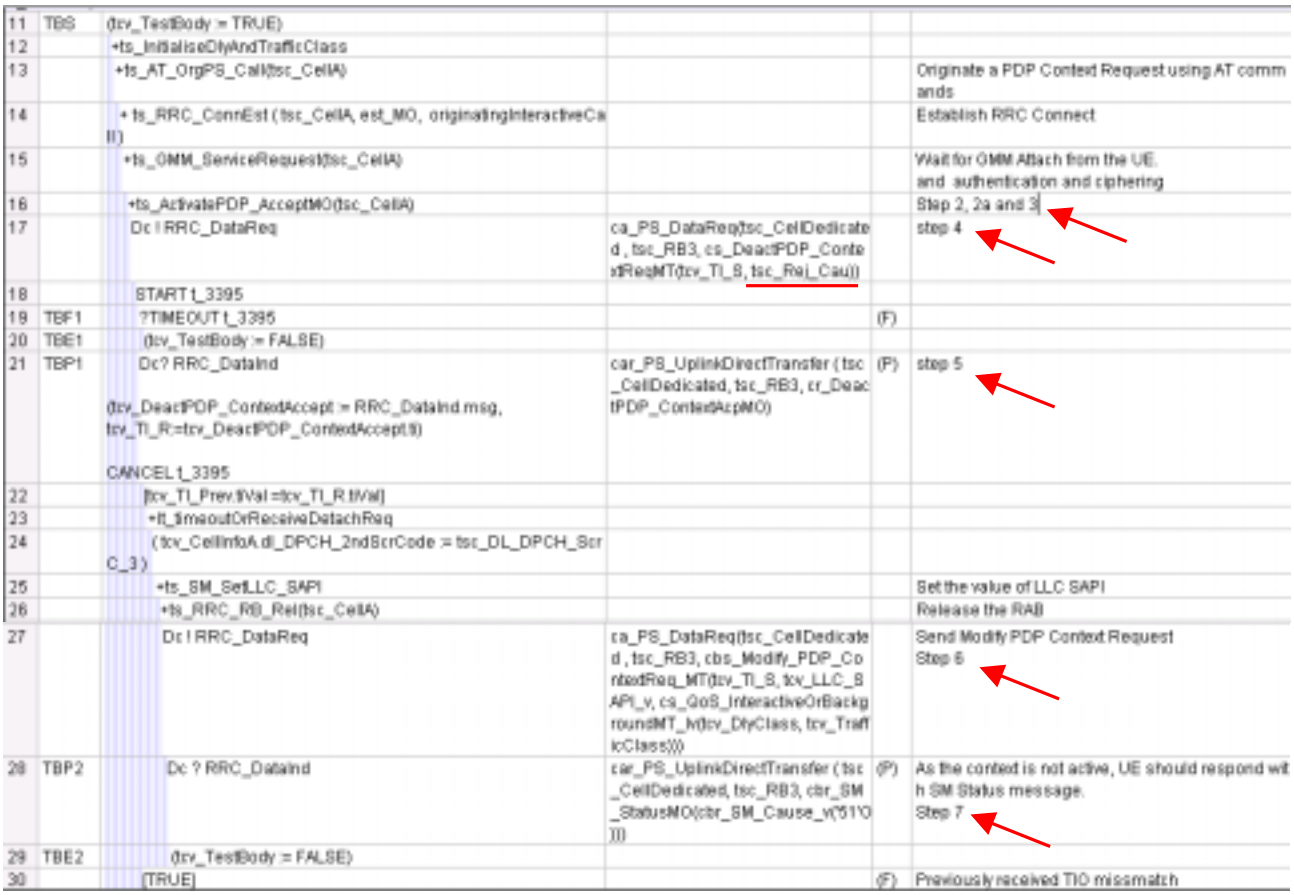
lt_TestBody					
11	TBS	(tcv_TestBody := TRUE)			
12		+ts_InitialiseDlyAndTrafficClass			
13		+ts_AT_OrgPS_Call(tsc_CellA)			Originate a PDP Context Request using AT comman
14		+ ts_RRC_ConnEst (tsc_CellA, est_MO, originatingInteractiveC all)			Establish RRC Connect
15		+ts_GMM_ServiceRequest(tsc_CellA)			Wait for GMM Attach from the UE. and authentication and ciphering
16		+ts_ActivatePDP_AcceptMO(tsc_CellA)			Step 2 of the specification.
17		+ts_AT_DeactPDP_Context			Originate Deactivate PDP Context Request using AT mmands Step 4.
18		Dc ? RRC_DataInd (tcv_DeactPDP_ContextReq := RRC_DataInd.msg, tcv_TI_R:= tcv_DeactPDP_ContextReq.ti)	car_PS_UplinkDirectTransfer (tsc _CellDedicated, tsc_RB3, cbr_De act_PDP_ContextReq_MO(tsc_R ej_Cau))	(P)	Receive Deactivate PDP COntext from UE Step 5.
19		(tcv_TI_PrevTiVal :=tcv_TI_R.tiVal)			Set the TI value
20		+ts_SetTI_Rsp(tcv_DeactPDP_ContextReq.ti)			
21		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicat ed , tsc_RB3, cbs_Deact_PDP_C ontextAcp_MT(tcv_TI_S))		Send Deactivate PDP Context Accept Step 6.
22		+lt_timeoutOrReceiveDetachReq			
23		(tcv_CellInfoA.dl_DPCH_2ndScrCode := tsc_DL_DPCH_Sc rC_3)			
24		+ts_RRC_RB_Rel(tsc_CellA)			RAB Release
25		+ts_SM_SetLLC_SAPI			Set the value of LLC SAPI
26		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicat ed , tsc_RB3, cbs_Modify_PDP_C ontextReq_MT(tcv_TI_S, tcv_LLC_ SAPI_v, cs_QoS_InteractiveOrBac kgroundMT_iv(tcv_DlyClass,tcv_Tr afficClass)))		Send Modify PDP Context Request Step 8.
27		Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer (tsc _CellDedicated, tsc_RB3, cbr_SM _StatusMO(cbr_SM_Cause_v('51' O)))	(P)	As the context is not active, UE should respond with S Status message. Step 9.
28	TBE	(tcv_TestBody := FALSE)			
29		[TRUE]		(F)	TIO miss match error

2.5 TTCN Changes – Validation of TI Value in test case 11.3.2

11.3.2 Test case before changes

lt_TestBody					
11	TBS	(tcv_TestBody := TRUE)			
12		+ts_InitialiseDlyAndTrafficClass			
13		+ts_AT_OrgPS_Call(tsc_CellA)			Originate a PDP Context Request using AT commands
14		+ts_RRC_ConnEst (tsc_CellA, est_MO, originatingInteractiveCall)			Establish RRC Connect
15		+ts_GMM_ServiceRequest(tsc_CellA)			Wait for GMM Attach from the UE. and authentication and ciphering
16		+ts_ActivatePDP_AcceptMO(tsc_CellA)			step 6,7,8 of the test procedure
17		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated , tsc_RB3, cs_DeactPDP_ContextReqMT(tcv_TI_S, tsc_RejCau_Prot_Err))		step 1
18		START t_3395			
19	TBF1	?TIMEOUT t_3395		(F)	
20	TBE1	(tcv_TestBody := FALSE)			
21	TBP1	Dc? RRC_DataInd CANCEL t_3395	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_DeactPDP_ContextAcpMO)	(P)	step 2
22		+lt_timeoutOrReceiveDetachReq			
23		(tcv_CellInfoAdl_DPCH_2ndScrCode := tsc_DL_DPCH_ScrC_3)			
24		+ts_SM_SetLLC_SAPI			Set the value of LLC SAPI
25		+ts_RRC_RB_Rel(tsc_CellA)			Release the RAB
26		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated , tsc_RB3, cbs_Modify_PDP_ContextReq_MT(tcv_TI_S, tcv_LLC_SAPI_v, cs_QoS_InteractiveOrBackgroundMT_iv(tcv_DlyClass, tcv_TrafficClass)))		Send Modify PDP Context Request
27	TBP2	Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cbr_SM_StatusMO(cbr_SM_Cause_v('51'O)))	(P)	As the context is not active, UE should respond with SM Status message.
28	TBE2	(tcv_TestBody := FALSE)			

11.3.2 Test case after changes



11	TBS	(tcv_TestBody = TRUE)			
12		+ts_InitialiseDlyAndTrafficClass			
13		+ts_AT_OrgPS_Call(tsc_CellA)			Originate a PDP Context Request using AT commands
14		+ts_RRC_ConnEst (tsc_CellA, est_MO, originatingInteractiveCall)			Establish RRC Connect
15		+ts_GMM_ServiceRequest(tsc_CellA)			Wait for GMM Attach from the UE and authentication and ciphering
16		+ts_ActivatePDP_AcceptMO(tsc_CellA)			Step 2, 2a and 3
17		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cs_DeactPDP_ContextReqMT(tcv_TI_S, tsc_Rej_Cau))		step 4
18		START t_3395			
19	TBF1	?TIMEOUT t_3395		(F)	
20	TBE1	(tcv_TestBody = FALSE)			
21	TBP1	Dc? RRC_DataInd (tcv_DeactPDP_ContextAccept = RRC_DataInd.msg, tcv_TI_R:=tcv_DeactPDP_ContextAccept.ti) CANCEL t_3395	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cr_DeactPDP_ContextAcpMO)	(P)	step 5
22		[tcv_TI_Prev.tiVal =tcv_TI_R.tiVal]			
23		+tt_timeoutOrReceiveDetachReq			
24		(tcv_CellInfoA.dl_DPCH_2ndScrCode = tsc_DL_DPCH_Scr C_3)			
25		+ts_SM_SetLLC_SAPI			Set the value of LLC SAPI
26		+ts_RRC_RB_Rel(tsc_CellA)			Release the RAB
27		Dc ! RRC_DataReq	ca_PS_DataReq(tsc_CellDedicated, tsc_RB3, cbs_Modify_PDP_ContextReq_MT(tcv_TI_S, tcv_LLC_SAPI_v, cs_GoS_InteractiveOrBackgroundMT_iv(tcv_DlyClass, tcv_TrafficClass)))		Send Modify PDP Context Request Step 6
28	TBP2	Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer (tsc_CellDedicated, tsc_RB3, cbr_SM_StatusMO(cbr_SM_Cause_v('51'O)))	(P)	As the context is not active, UE should respond with SM Status message. Step 7
29	TBE2	(tcv_TestBody = FALSE)			
30		[TRUE]		(F)	Previously received TIO mismatch

3. Unambiguous name for tsc_RejCau_Prot_Err declaration

'tsc_RejCau_Prot_Err' name changed to 'tsc_Rej_Cau' in Test Suite Constant Declarations

Local Tree and Test step	Test suite constant declarations
Reason for change	Providing Unambiguous name to variable.
Summary of change	Removing test case variable **tsc_RejCau_Prot_Err** Adding test case variable **tsc_Rej_Cau**
Source of change	Anite

Reference in 11.3.1 an 11.3.2 are highlighted in previous section TTCN snap shots after change.

4. Wrong specification reference made 11.3.1 and 11.3.2 test steps

Local Tree and Test step	11.3.1 test case
Reason for change	Removing incorrect test step comment
Summary of change	Line 16, comment changed to 'Step 2,2a and 3 of the test procedure' from 'step 6,7,8 of the test procedure'
Source of change	Anite

Local Tree and Test step	11.3.2 test case
Reason for change	Removing incorrect test step comment
Summary of change	- Line 16 comment changed to 'Step 2,2a and 3 of the test procedure' from 'step 6,7,8 of the test procedure' - Line17 comment changed to 'Step 4 of the test procedure' from 'Step 1' - Line 21 comment changed to 'Step 5 of the test procedure' from 'Step 2'
Source of change	Anite

Reference in 11.3.1 and 11.3.2 are highlighted in previous section TTCN snap shots after change.

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031823

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 205** ⌘**rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of RRC test case 8.3.2.1 to RRC ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	11/12/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RRC test case 8.3.2.1 to the approved RRC ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.2.1 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

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

Other comments: ⌘

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031823**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 8.3.2.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.2.1 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_8_3_2_1
Test Group:	/RRC/RRC_URA_Update/
ATS Version:	iWD-TVB2003-03_D03wk48 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 8.3.2.1

4.1 Introduction

This section describes the changes required to make test case 8.3.2.1 run correctly with a 3G UE. All modifications are marked with label "**WA#RRC<number>**" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC_wk48.mp which is part of the iWD-TVB2003-03_D03wk48 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.3.2.1:

WA#RRC4258, WA#RRC3141, and WA#RRC3142

4.2 tcv_MIB_ValueTagChanged (WA#RRC4258)

Variable name	tcv_MIB_ValueTagChanged
Reason for change	Currently tcv_MIB_ValueTagChanged is initialised to FALSE, which will cause the MIB value tag to 2 to be incremented first time System information is broadcast. But as per 34.108 value tag of 1 is default.
Summary of change	tcv_MIB_ValueTagChanged to be initialised to TRUE in testcase variable declarations
Source of change	Anite CR T1-031777
Label	WA#RRC4258

tcv_MIB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIBVa lueTag changed, set to FALSE after MIB deliv ered to SS. WA#RRC4258

4.3 cr_QoS_InteractiveOrBackgroundMO_CellFACH_lv (WA#RRC3141)

Constraint name	cr_QoS_InteractiveOrBackgroundMO_CellFACH_lv

Reason for change	Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should be set to 32kbps
Summary of change	Changed comment to 32kbps
Source of change	New Change
Label	WA#RRC3141

Structured Type Constraint Declaration	
Constraint Name	ct_QoS_InteractiveOrBackgroundMO_CellFACH_lv (p_DlyClass p_trafficClass) (3)
Group:	
Type Name:	QualityOfService_lv
Derivation Path:	
Encoding Variation:	
Comments	The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE WA#RRC3141

Element Name	Element Value	Type Encoding	Comments
length	'08'O		
spare	'00'B		
dlyClass	p_DlyClass		
reliabilityClass	'011'B		Unacknowledged GTP, LLC and Acknowledged RLC; Protected Data
peakThroughput	'0011'B		32 kbps
spare1	'0'B		
precedenceClass	'000'B		Subscribed class
spare2	'000'B		
meanThroughput	'11111'B		best effort
trafficClass	p_trafficClass		Interactive
deliveryOrder	'01'B		With delivery order
deliveryErrorSDU	'010'B		Erroneour SDU are delivered
maxSDUSize	'20'O		320 octets
maxBitRateUplink	'20'O		32 kbps
maxBitRateDnlink	'20'O		32 kbps
residualBER	'0111'B		1 x 10E (-5)
sduErrRatio	'0100'B		1 X 10 E(-4)
transDly	?		Transfer delay will be neglected in case of interactive or background. Hence the value is set to spare
trafficHandpro	?		to be neglected by the UE as the traffic class is Background
bitRateUplink	?		Any value in uplink
bitRateDnlink	?		Any value in Uplink

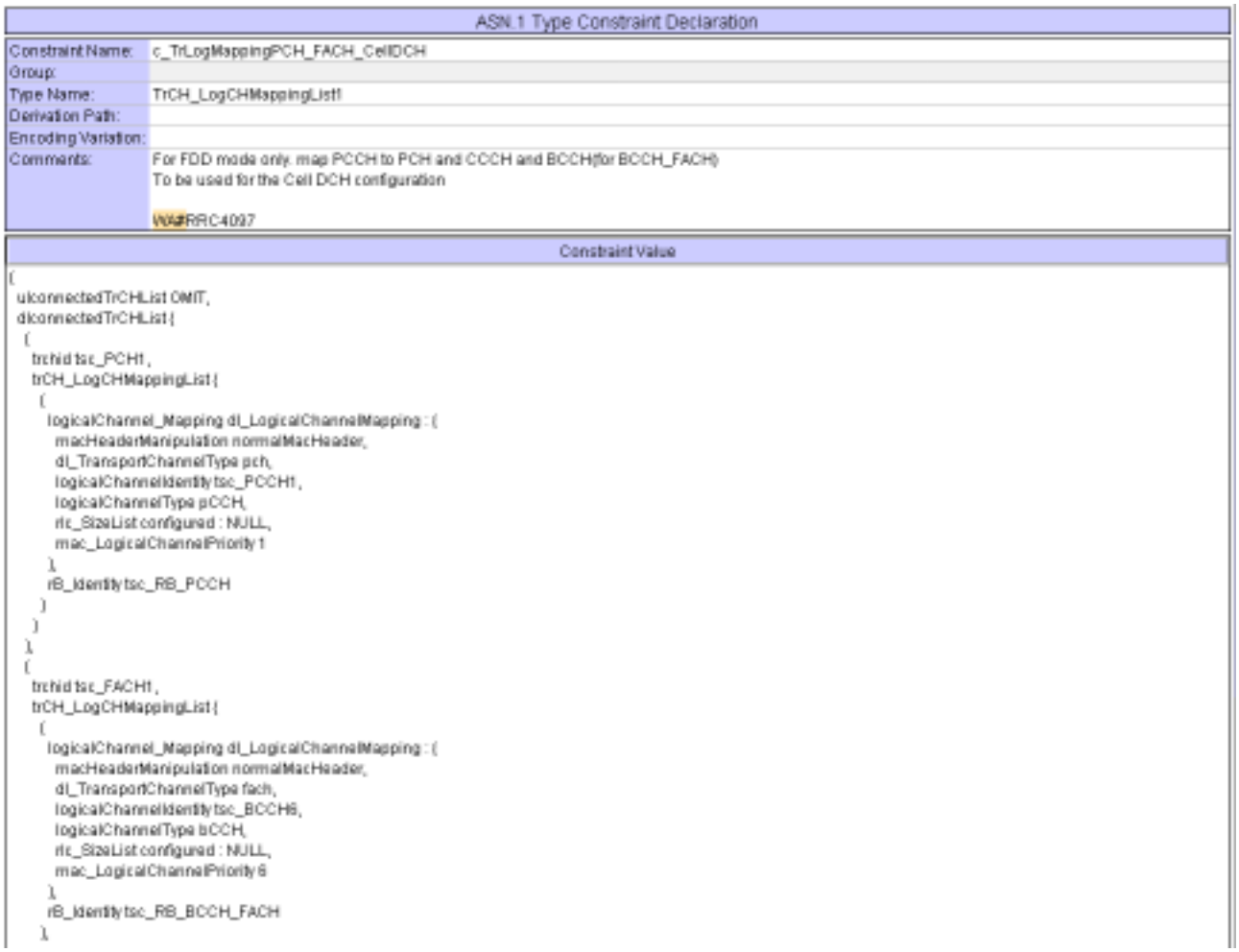
4.4 c_TrLogMappingPCH_FACH_CellDCH (WA#RRC4097)

Constraint name	c_TrLogMappingPCH_FACH_CellDCH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following in c_TrLogMappingPCH_FACH_CellDCH

```
trCH_LogCHMappingList {
{ logicalChannel_Mapping dl_LogicalChannelMapping : {
  macHeaderManipulation normalMacHeader,
  dl_TransportChannelType fach,
  logicalChannelIdentity tsc_BCCH6,
  logicalChannelType bCCH,
  rlc_SizeList configured : NULL,
  mac_LogicalChannelPriority 6
},
rB_Identity tsc_RB_BCCH_FACH
```

},

Source of change	New Change
Label	WA#RRC4097



ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingPCH_FACH_CellDCH
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	For FDD mode only. map PCCH to PCH and CCCH and BCCH(for BCCH_FACH) To be used for the Cell DCH configuration WA#RRC4097

Constraint Value

```
{
 uiconnectedTrCHList OMIT,
 diconnectedTrCHList {
  {
   trchid tsc_PCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType pch,
      logicalChannelIdentity tsc_PCCH1,
      logicalChannelType pCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
     },
     rB_Identity tsc_RB_PCCH
    }
   }
  },
  {
   trchid tsc_FACH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType fach,
      logicalChannelIdentity tsc_BCCH6,
      logicalChannelType bCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 6
     },
     rB_Identity tsc_RB_BCCH_FACH
    },
```

4.5 ts_SS_CreateCellFACH (WA#RRC4096)

Test step name	ts_SS_CreateCellFACH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following test step in ts_SS_CreateCellFACH Line 20 +ts_SS_RB_BCCH_FACH_Cfg(p_CellId)
Source of change	New Change
Label	WA#RRC4096

Test Step	
Test Step Id:	ts_SS_CreateCellFACH (p_CellId : INTEGER)
Test Step Group Ref:	BasicM_SS_Configuration_Steps/
Objective:	To setup a baseline cell which consists of the following: For a first cell_FACH cell: physical channels: p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH; transport channels: BCH, FACH, PCH, RACH; logical channels: BCCH, CCCH, PCCH, DCCH; and signalling radio bearer RB0(CCCH), RB1(UM DCCH), RB2(AM DCCH), RB3(AM DCCH for NAS high priority), RB4(AM DCCH for NAS low priority) on FACH and RACH, RB-3(TM BCCH FACH) on FACH, RB20(AM DTCH) on FACH and RACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH) For cells other than the first cell: Same physical channels as for the first cell (p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH); Same transport channels as for the first cell (BCH, FACH, PCH, RACH); Logical channels: BCCH, CCCH, PCCH, no DCCH Signalling radio bearer RB0(CCCH), RB-3(TM BCCH FACH) on FACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH)
Defaults:	InitOtherwiseFail
Comments:	CRLC is configured with cellId -1 (tsc_CellDedicated)

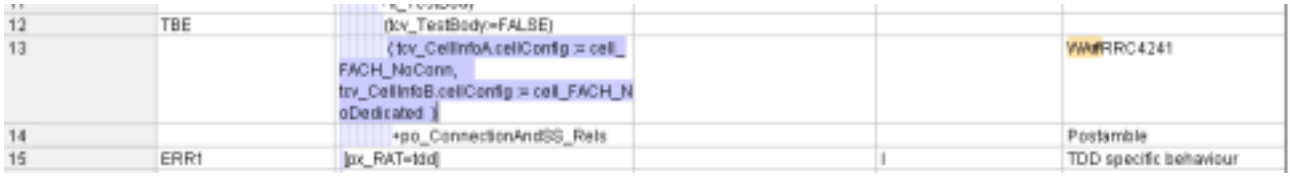
..	L..	Behaviour Description	Constraint Ref	..	Comments
1		+ts_SS_CellCfg(p_CellId)			
2		+ts_SS_BCH_SCH_CPICH_Cfg(p_CellId)			
3		+ ts_CountConfiguredCell			
4		[tcv_NumCfgCell = 0]			First cell to be created
5		+ts_SS_PCH_2FACH_CCCH_DCCH_BCCH_DTCH_Cfg (p_CellId)			
6		+ts_SS_RACH_CCCH_DCCH_DTCH_Cfg (p_CellId)			
7		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
8		+ts_SS_RB_PCCH_Cfg(p_CellId)			
9		+ts_SS_RB0_Cfg(p_CellId)			
10		+ts_SS_RB1_ToRB4_Cfg			
11		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH
12		+ts_SS_RB20_AM_PS_Cfg (320)			
13		+ts_SetCellCfg (p_CellId, cell_FACH_NoConn)			
14		[tcv_NumCfgCell <> 0]			Not first cell to be created
15		+ ts_SS_PCH_FACH_CCCH_Cfg (p_CellId)			
16		+ ts_SS_RACH_CCCH_Cfg (p_CellId)			
17		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
18		+ts_SS_RB_PCCH_Cfg(p_CellId)			
19		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH WA#RRC4095
20		+ts_SS_RB0_Cfg(p_CellId)			
21		+ ts_SetCellCfg (p_CellId, cell_FACH_NoDedicated)			

4.6 ts_AT_OrgPS_Call (WA#RRC3142)

Test step name	ts_AT_OrgPS_Call
Reason for change	There is a mismatch between the requested Minimum QoS through AT commands (local tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call) and accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH).
Summary of change	Added check for the cell configured state in Local Tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call. If the state matches with any of the FACH states set maxBitRateUplink and maxBitRateDnlink to 32 Kbps so that the requested Qos and accepted QoS will match.
Source of change	Anite CR : T1-031828
Label	WA#RRC3142

4.7 tc_8_3_2_1 (WA#RRC4241)

Test step name	tc_8_3_2_1
Reason for change	To update correctly the cell configuration variables before releasing the dedicated channels. For Cell B the configuration passed is wrong as in the preamble RB1 to RB4 were not set up for cell B so the configuration passed has to be cell_FACH_NoDedicated.
Summary of change	Used “tcv_CellInfoB.cellConfig := cell_FACH_NoDedicated” instead of “tcv_CellInfoB.cellConfig := cell_FACH_NoConn”.
Source of change	New Change
Label	WA#RRC4241



4.8 tc_8_3_2_1 (WA#RRC4239)

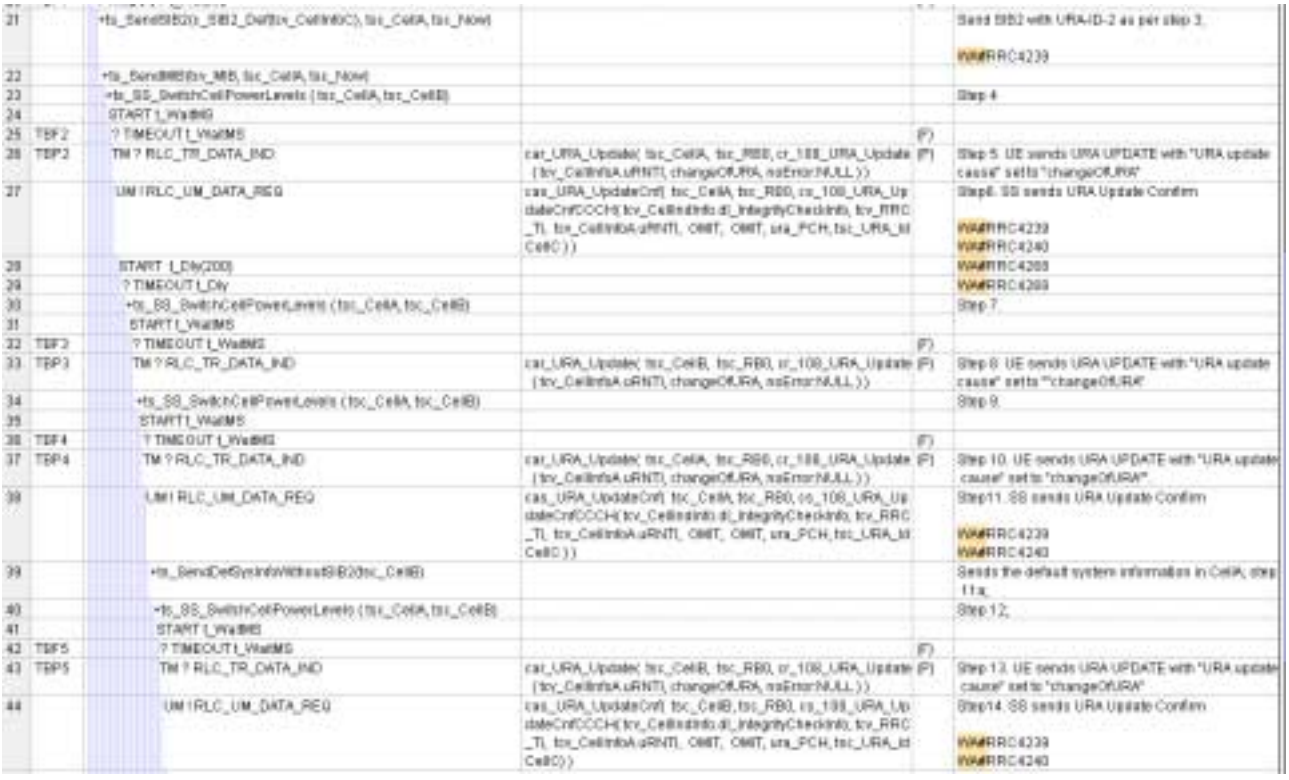
Test step name	tc_8_3_2_1
Reason for change	TTCN error, Wrong URA Id used, "ura_Identity" of Cell B or C must be used.
Summary of change	Used "ura_Identity" of Cell C instead of the Cell B one when URA Id 2 is needed.
Source of change	New Change
Label	WA#RRC4239

4.9 tc_8_3_2_1 (WA#RRC4240)

Test step name	tc_8_3_2_1
Reason for change	URNTI is a mandatory field and must be present.
Summary of change	Included URNTI in URA Update Confirm
Source of change	New Change
Label	WA#RRC4240

4.10 tc_8_3_2_1 (WA#RRC4268)

Test step name	tc_8_3_2_1
Reason for change	A short delay is introduced as the URA Update confirm message is not received by the UE, The power switching take place before the message is being sent
Summary of change	Added a delay of 200ms
Source of change	New Change
Label	WA#RRC4268



5 Branches executed in test case 8.3.2.1

The test case implementation executed the PS branch 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 on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_3_2_1_PS-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 8_3_2_1-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031824**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031825

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 206** ⌘**rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of RRC test case 8.3.2.4 to RRC ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	11/12/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RRC test case 8.3.2.4 to the approved RRC ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.2.4 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031825**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 8.3.2.4 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.2.4 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_8_3_2_4
Test Group:	/RRC/RRC_URA_Update/
ATS Version:	iWD-TVB2003-03_D03wk48 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 8.3.2.4

4.1 Introduction

This section describes the changes required to make test case 8.3.2.4 run correctly with a 3G UE. All modifications are marked with label "**WA#RRC<number>**" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC_wk48.mp which is part of the iWD-TVB2003-03_D03wk48 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.3.2.4:

WA#RRC4258, WA#RRC3141, WA#RRC4097, WA#RRC4096, and WA#RRC3142

4.2 tcv_MIB_ValueTagChanged (WA#RRC4258)

Variable name	tcv_MIB_ValueTagChanged
Reason for change	Currently tcv_MIB_ValueTagChanged is initialised to FALSE, which will cause the MIB value tag to 2 to be incremented first time System information is broadcast. But as per 34.108 value tag of 1 is default.
Summary of change	tcv_MIB_ValueTagChanged to be initialised to TRUE in testcase variable declarations
Source of change	Anite CR T1-031777
Label	WA#RRC4258

tcv_MIB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIBValueTag changed, set to FALSE after MIB delivered to SS. WA#RRC4258

4.3 cr_QoS_InteractiveOrBackgroundMO_CellFACH_Iv (WA#RRC3141)

Constraint name	cr_QoS_InteractiveOrBackgroundMO_CellFACH_Iv

Reason for change	Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should be set to 32kbps
Summary of change	Changed comment to 32kbps
Source of change	New Change
Label	WA#RRC3141

Structured Type Constraint Declaration	
Constraint Name	ct_QoS_InteractiveOrBackgroundMO_CellFACH_lv (p_DlyClass p_trafficClass 03)
Group:	
Type Name:	QualityOfService_lv
Derivation Path:	
Encoding Variation:	
Comments	The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE WA#RRC3141

Element Name	Element Value	Type Encoding	Comments
length	'08'O		
spare	'00'B		
dlyClass	p_DlyClass		
reliabiltyClass	'011'B		Unacknowledged GTP, LLC and Acknowledged RLC; Protected Data
peakThroughput	'0011'B		32 kbps
spare1	'0'B		
precedenceClass	'000'B		Subscribed class
spare2	'000'B		
meanThroughput	'11111'B		best effort
trafficClass	p_trafficClass		Interactive
deliveryOrder	'01'B		With delivery order
deliveryErrorSDU	'010'B		Erroneour SDU are delivered
maxSDUSize	'20'O		320 octets
maxBitRateUplink	'20'O		32 kbps
maxBitRateDnlink	'20'O		32 kbps
residualBER	'0111'B		1 x 10E (-5)
sduErrRatio	'0100'B		1 X 10 E(-4)
transDly	?		Transfer delay will be neglected in case of interactive or background. Hence the value is set to spare
trafficHandpro	?		to be neglected by the UE as the traffic class is Background
bitRateUplink	?		Any value in uplink
bitRateDnlink	?		Any value in Uplink

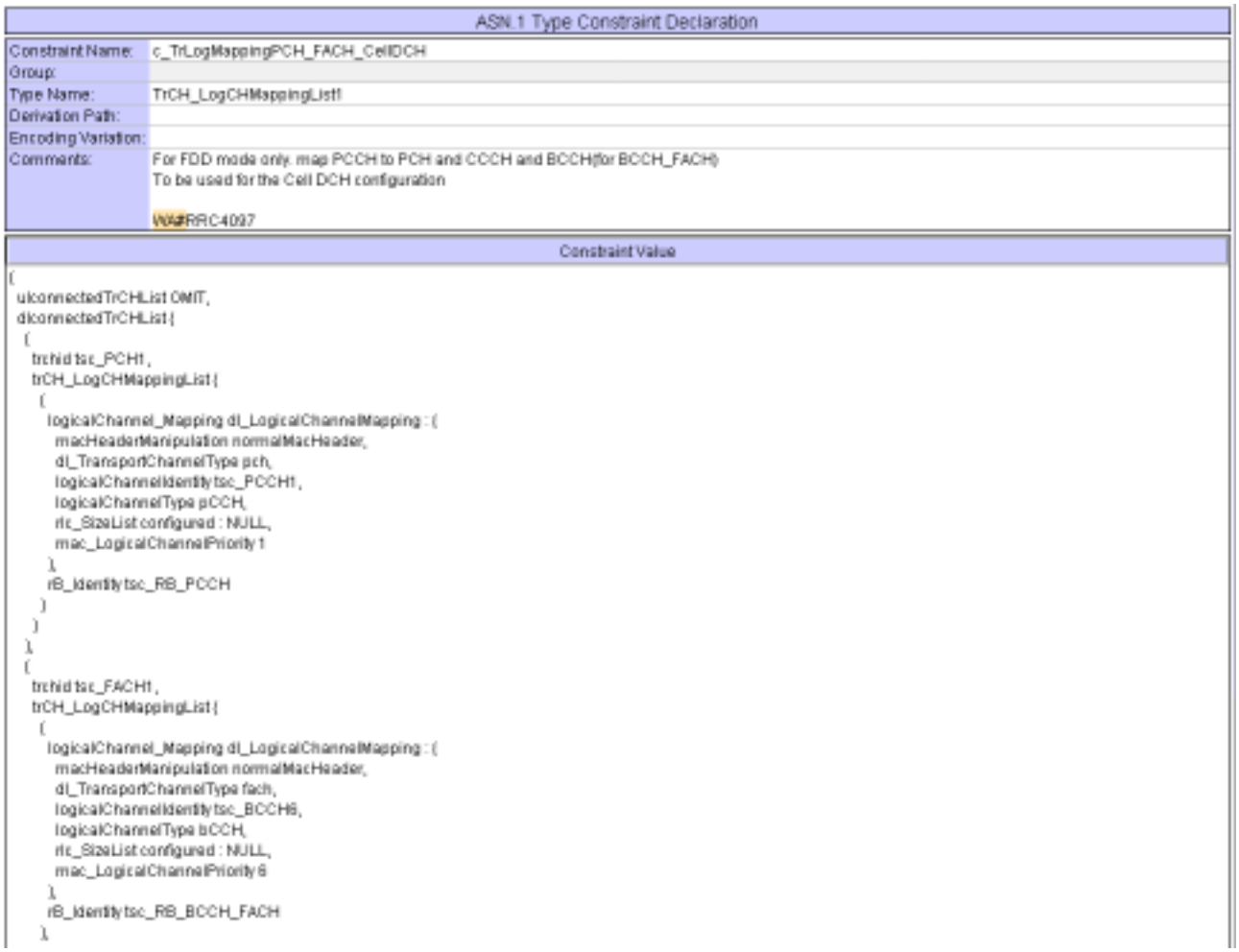
4.4 c_TrLogMappingPCH_FACH_CellDCH (WA#RRC4097)

Constraint name	c_TrLogMappingPCH_FACH_CellDCH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following in c_TrLogMappingPCH_FACH_CellDCH

```
trCH_LogCHMappingList {
{ logicalChannel_Mapping dl_LogicalChannelMapping : {
  macHeaderManipulation normalMacHeader,
  dl_TransportChannelType fach,
  logicalChannelIdentity tsc_BCCH6,
  logicalChannelType bCCH,
  rlc_SizeList configured : NULL,
  mac_LogicalChannelPriority 6
},
rB_Identity tsc_RB_BCCH_FACH
```

},

Source of change	New Change
Label	WA#RRC4097



ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingPCH_FACH_CellDCH
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	For FDD mode only. map PCCH to PCH and CCCH and BCCH(for BCCH_FACH) To be used for the Cell DCH configuration WA#RRC4097

Constraint Value

```
{
 uiconnectedTrCHList OMIT,
 diconnectedTrCHList {
  {
   trchid tsc_PCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType pch,
      logicalChannelIdentity tsc_PCCH1,
      logicalChannelType pCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
     },
     rB_Identity tsc_RB_PCCH
    }
   }
  },
  {
   trchid tsc_FACH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType fach,
      logicalChannelIdentity tsc_BCCH6,
      logicalChannelType bCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 6
     },
     rB_Identity tsc_RB_BCCH_FACH
    },
```

4.5 ts_SS_CreateCellFACH (WA#RRC4096)

Test step name	ts_SS_CreateCellFACH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following test step in ts_SS_CreateCellFACH Line 20 +ts_SS_RB_BCCH_FACH_Cfg(p_CellId)
Source of change	New Change
Label	WA#RRC4096

Test Step

Test Step Id:	ts_SS_CreateCellFACH (p_CellId : INTEGER)
Test Step Group Ref:	BasicM_SS_Configuration_Steps/
Objective:	To setup a baseline cell which consists of the following: For a first cell_FACH cell: physical channels: p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH; transport channels: BCH, FACH, PCH, RACH; logical channels: BCCH, CCCH, PCCH, DCCH; and signalling radio bearer RB0(CCCH), RB1(UM DCCH), RB2(AM DCCH), RB3(AM DCCH for NAS high priority), RB4(AM DCCH for NAS low priority) on FAC H and RACH, RB-3(TM BCCH FACH) on FACH, RB20(AM DTCH) on FACH and RACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH) For cells other than the first cell: Same physical channels as for the first cell (p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH); Same transport channels as for the first cell (BCH, FACH, PCH, RACH); Logical channels: BCCH, CCCH, PCCH, no DCCH Signalling radio bearer RB0(CCCH), RB-3(TM BCCH FACH) on FACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH)
Defaults:	InitOtherwiseFail
Comments:	CRLC is configured with cellId -1 (tsc_CellDedicated)

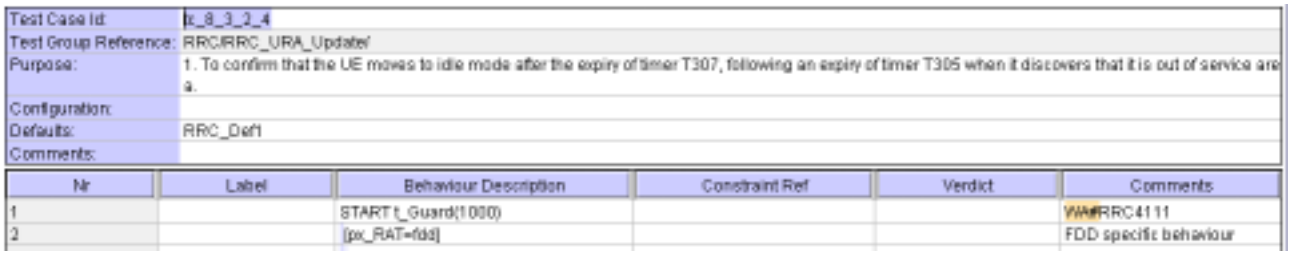
	L	Behaviour Description	Constraint Ref		Comments
1		+ts_SS_CellCfg(p_CellId)			
2		+ts_SS_BCH_SCH_CPICH_Cfg(p_CellId)			
3		+ ts_CountConfiguredCell			
4		[tcv_NumCfgCell = 0]			First cell to be created
5		+ts_SS_PCH_2FACH_CCCH_DCCH_BCCH_DTCH_Cfg (p_CellId)			
6		+ts_SS_RACH_CCCH_DCCH_DTCH_Cfg (p_CellId)			
7		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
8		+ts_SS_RB_PCCH_Cfg(p_CellId)			
9		+ts_SS_RB0_Cfg(p_CellId)			
10		+ts_SS_RB1_ToRB4_Cfg			
11		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH
12		+ts_SS_RB20_AM_PS_Cfg (320)			
13		+ts_SetCellCfg (p_CellId, cell_FACH_NoConn)			
14		[tcv_NumCfgCell <> 0]			Not first cell to be created
15		+ ts_SS_PCH_FACH_CCCH_Cfg (p_CellId)			
16		+ ts_SS_RACH_CCCH_Cfg (p_CellId)			
17		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
18		+ts_SS_RB_PCCH_Cfg(p_CellId)			
19		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH WA#RRC4095
20		+ts_SS_RB0_Cfg(p_CellId)			
21		+ ts_SetCellCfg (p_CellId, cell_FACH_NoDedicated)			

4.6 ts_AT_OrgPS_Call (WA#RRC3142)

Test step name	ts_AT_OrgPS_Call
Reason for change	There is a mismatch between the requested Minimum QoS through AT commands (local tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call) and accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH).
Summary of change	Added check for the cell configured state in Local Tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call. If the state matches with any of the FACH states set maxBitRateUplink and maxBitRateDnlink to 32 Kbps so that the requested Qos and accepted QoS will match.
Source of change	Anite CR T1:031838
Label	WA#RRC3142

4.7 tc_8_3_2_4 (WA#RRC4111)

Test case name	tc_8_3_2_4
Reason for change	"t_Guard" timer is no longer enough to execute the test case.
Summary of change	Increased "t_Guard" timer from 300 s (default value) to 1000 s
Source of change	New Change
Label	WA#RRC4111



Test Case Id:	tc_8_3_2_4				
Test Group Reference:	RRC/RRC_URA_Update/				
Purpose:	1. To confirm that the UE moves to idle mode after the expiry of timer T307, following an expiry of timer T305 when it discovers that it is out of service are a.				
Configuration:					
Defaults:	RRC_Def1				
Comments:					

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(1000)			WA#RRC4111
2		[px_RAT=fdd]			FDD specific behaviour

4.8 tc_8_3_2_4 (WA#RRC4178)

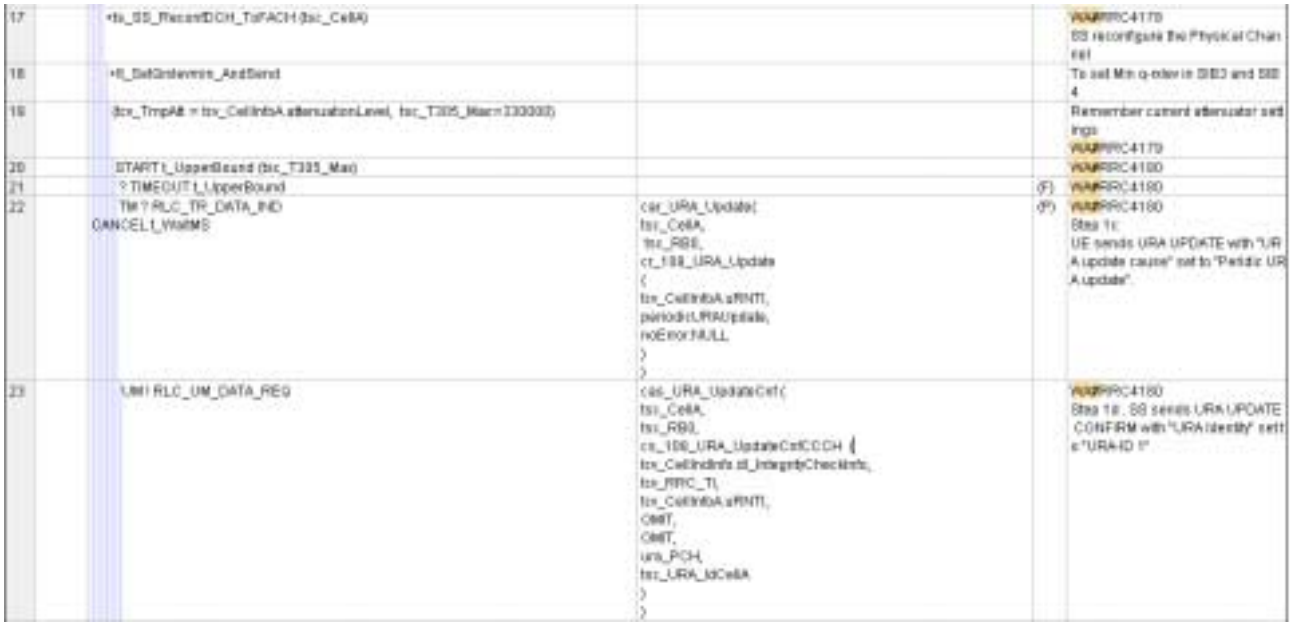
Test case name	tc_8_3_2_4
Reason for change	As the UE is requested to move to URA_PCH, the SS needs to be reconfigured to Cell_FACH
Summary of change	Added ts_SS_ReconfDCH_ToFACH
Source of change	New Change
Label	WA#RRC4178

4.9 tc_8_3_2_4 (WA#RRC4179)

Test case name	tc_8_3_2_4
Reason for change	T305 needs to be updated to 5min
Summary of change	Added tsc_T305_Max:=330000
Source of change	New Change
Label	WA#RRC4179

4.10 tc_8_3_2_4 (WA#RRC4180)

Test case name	tc_8_3_2_4
Reason for change	According to the prose, a periodic URA_Update should take place before attenuating the Cell power levels
Summary of change	Added Steps 1c & 1d before Attenuating the power levels
Source of change	New Change
Label	WA#RRC4180



4.11 tc_8_3_2_4 (WA#RRC4187)

Test case name	tc_8_3_2_4
Reason for change	The RLC Counter must be reset
Summary of change	Added + ts_CRLC_RelReconfSRB (tsc_CellA)
Source of change	New Change
Label	WA#RRC4187

4.12 tc_8_3_2_4 (WA#RRC4182)

Test step name	tc_8_3_2_4
Reason for change	In order to perform procedure "Call C.1", the SS power levels need to be restored to the default levels.
Summary of change	Added ts_SetAttenuationLevel
Source of change	New Change
Label	WA#RRC4182

5 Branches executed in test case 8.3.2.4

The test case implementation executed the PS branch 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 on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_3_2_4_PS-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 8_3_2_4-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031826**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031827

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 207** ⌘**rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of RRC test case 8.3.2.7 to RRC ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	11/12/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RRC test case 8.3.2.7 to the approved RRC ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.2.7 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	**Y** / **N**		⌘	
			X Other core specifications		34.123-1 V550 section 8.3.2.7.4
		X	Test specifications		
			X O&M Specifications		
Other comments:	⌘	According to the core spec 25.331v3.14.0 Section 10.2.61 in the URA Update Confim message the IE Integrity protection mode info and Downlink counter synchronisation info should not be included unless there is an SRNS relocation. The prose does not mention about an SRNS relocation.			

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031827**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 8.3.2.7 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.2.7 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_8_3_2_7
Test Group:	/RRC/RRC_URA_Update/
ATS Version:	iWD-TVB2003-03_D03wk48 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 8.3.2.7

4.1 Introduction

This section describes the changes required to make test case 8.3.2.7 run correctly with a 3G UE. All modifications are marked with label "**WA#RRC<number>**" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC_wk48.mp which is part of the iWD-TVB2003-03_D03wk48 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.3.2.7:

WA#RRC4258, WA#RRC3141, WA#RRC4097, WA#RRC4096, and WA#RRC3142

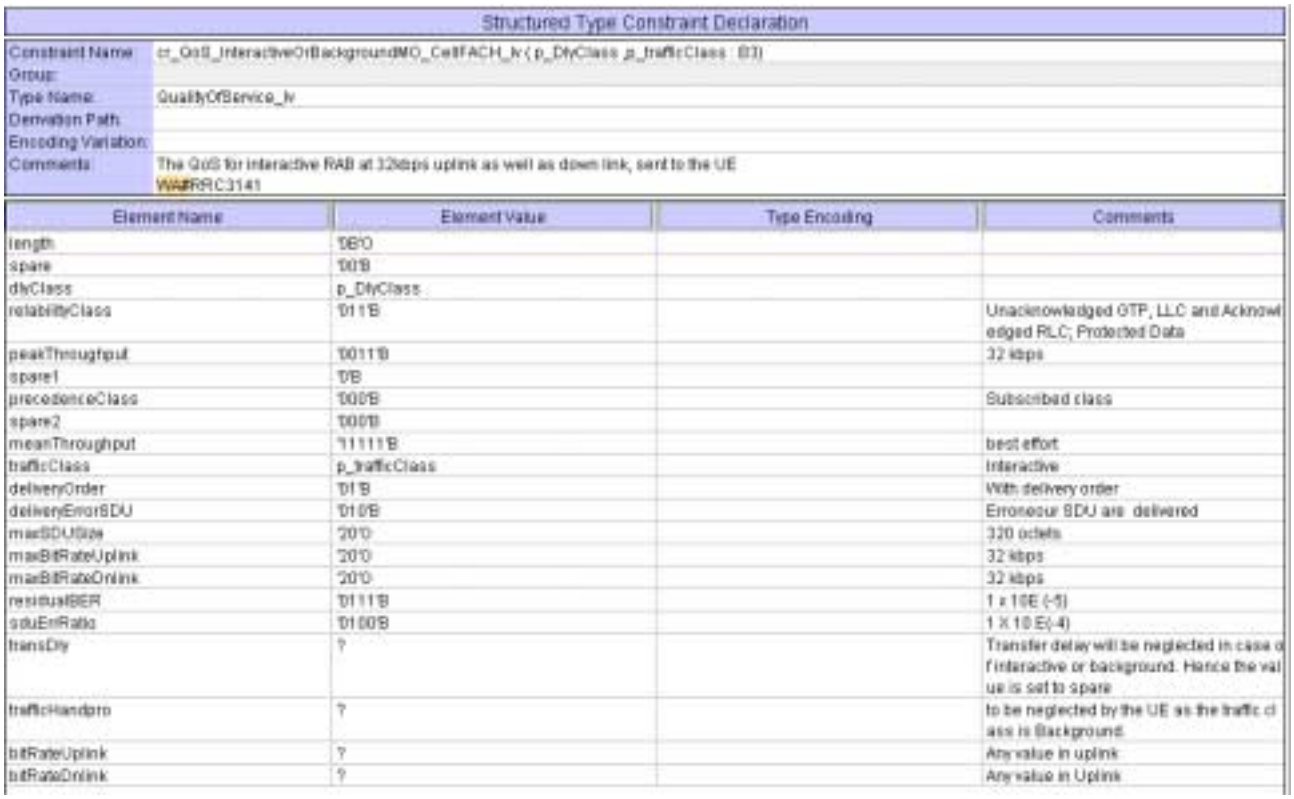
4.2 tcv_MIB_ValueTagChanged (WA#RRC4258)

Variable name	tcv_MIB_ValueTagChanged
Reason for change	Currently tcv_MIB_ValueTagChanged is initialised to FALSE, which will cause the MIB value tag to 2 to be incremented first time System information is broadcast. But as per 34.108 value tag of 1 is default.
Summary of change	tcv_MIB_ValueTagChanged to be initialised to TRUE in testcase variable declarations
Source of change	Anite CR T1-031777
Label	WA#RRC4258

tcv_MIB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIBVa lueTag changed, set to FALSE after MIB deliv ered to SS. WA#RRC4258

4.3 cr_QoS_InteractiveOrBackgroundMO_CellFACH_lv (WA#RRC3141)

constraint name	cr_QoS_InteractiveOrBackgroundMO_CellFACH_lv
Reason for change	Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should be set to 32kbps
Summary of change	Changed comment to 32kbps
Source of change	New Change
Label	WA#RRC3141



Structured Type Constraint Declaration

Constraint Name	cr_QoS_InteractiveOrBackgroundMO_CellFACH_lv (p_DlyClass p_trafficClass)
Group:	
Type Name:	QualityOfService_lv
Derivation Path:	
Encoding Variation:	
Comments	The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE WA#RRC3141

Element Name	Element Value	Type Encoding	Comments
length	'00'O		
spare	'00'B		
dlyClass	p_DlyClass		
reliabilityClass	'011'B		Unacknowledged GTP, LLC and Acknowledged RLC; Protected Data
peakThroughput	'0011'B		32 kbps
spare1	'0'B		
precedenceClass	'000'B		Subscribed class
spare2	'000'B		
meanThroughput	'11111'B		best effort
trafficClass	p_trafficClass		Interactive
deliveryOrder	'01'B		With delivery order
deliveryErrorSDU	'010'B		Erroneous SDU are delivered
maxSDUSize	'20'O		320 octets
maxBitRateUplink	'20'O		32 kbps
maxBitRateDnlink	'20'O		32 kbps
residualBER	'0111'B		1 x 10E (-5)
sduErrRatio	'0100'B		1 X 10 E(-4)
transDly	?		Transfer delay will be neglected in case of interactive or background. Hence the value is set to spare
trafficHandpro	?		to be neglected by the UE as the traffic class is Background
bitRateUplink	?		Any value in uplink
bitRateDnlink	?		Any value in Uplink

4.4 c_TrLogMappingPCH_FACH_CellDCH (WA#RRC4097)

Constraint name	c_TrLogMappingPCH_FACH_CellDCH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following in c_TrLogMappingPCH_FACH_CellDCH

trCH_LogCHMappingList {

{ logicalChannel_Mapping dl_LogicalChannelMapping : {

macHeaderManipulation normalMacHeader,

dl_TransportChannelType fach,

logicalChannelIdentity tsc_BCCH6,

logicalChannelType bCCH,

rlc_SizeList configured : NULL,

mac_LogicalChannelPriority 6

},

rB_Identity tsc_RB_BCCH_FACH

},

Source of change	New Change
Label	WA#RRC4097

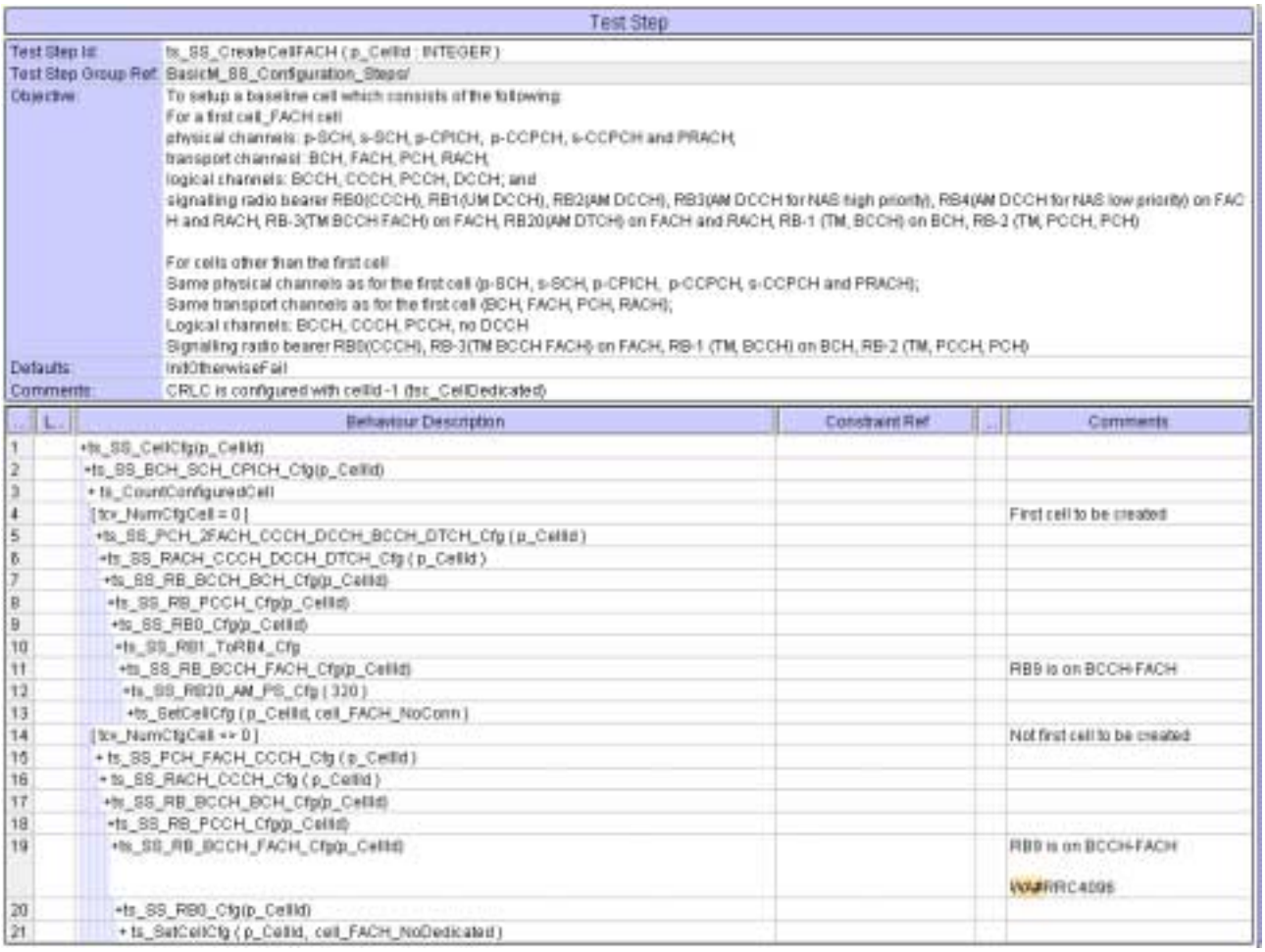
ASN.1 Type Constraint Declaration	
Constraint Name:	c_TrLogMappingPCH_FACH_CellDCH
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	For FDD mode only. map PCCH to PCH and CCCH and BCCH(for BCCH_FACH) To be used for the Cell DCH configuration WA#RRC4097

Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 dlconnectedTrCHList {
  {
   trchid tsc_PCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType pch,
      logicalChannelIdentity tsc_PCCH1,
      logicalChannelType pCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
     },
     rB_Identity tsc_RB_PCCH
    }
   }
  },
  {
   trchid tsc_FACH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType fach,
      logicalChannelIdentity tsc_BCCH6,
      logicalChannelType bCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 6
     },
     rB_Identity tsc_RB_BCCH_FACH
    },
```

4.5 ts_SS_CreateCellFACH (WA#RRC4096)

Test step name	ts_SS_CreateCellFACH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following test step in ts_SS_CreateCellFACH Line 20 +ts_SS_RB_BCCH_FACH_Cfg(p_CellId)
Source of change	New Change
Label	WA#RRC4096



Test Step

Test Step Id:	ts_SS_CreateCellFACH (p_CellId : INTEGER)
Test Step Group Ref:	BasicM_SS_Configuration_Steps/
Objective:	To setup a baseline cell which consists of the following: For a first cell_FACH cell: physical channels: p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH; transport channels: BCH, FACH, PCH, RACH; logical channels: BCCH, CCCH, PCCH, DCCH; and signalling radio bearer RB0(CCCH), RB1(UM DCCH), RB2(AM DCCH), RB3(AM DCCH for NAS high priority), RB4(AM DCCH for NAS low priority) on FACH and RACH, RB-3(TM BCCH FACH) on FACH, RB20(AM DTCH) on FACH and RACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH) For cells other than the first cell: Same physical channels as for the first cell (p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH); Same transport channels as for the first cell (BCH, FACH, PCH, RACH); Logical channels: BCCH, CCCH, PCCH, no DCCH Signalling radio bearer RB0(CCCH), RB-3(TM BCCH FACH) on FACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH)
Defaults:	InitOtherwiseFail
Comments:	CRLC is configured with cellId -1 (tsc_CellDedicated)

.	L.	Behaviour Description	Constraint Ref	.	Comments
1		+ts_SS_CellCfg(p_CellId)			
2		+ts_SS_BCH_SCH_CPICH_Cfg(p_CellId)			
3		+ ts_CountConfiguredCell			
4		[tcv_NumCfgCell = 0]			First cell to be created
5		+ts_SS_PCH_2FACH_CCCH_DCCH_BCCH_DTCH_Cfg (p_CellId)			
6		+ts_SS_RACH_CCCH_DCCH_DTCH_Cfg (p_CellId)			
7		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
8		+ts_SS_RB_PCCH_Cfg(p_CellId)			
9		+ts_SS_RB0_Cfg(p_CellId)			
10		+ts_SS_RB1_ToRB4_Cfg			
11		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH
12		+ts_SS_RB20_AM_PS_Cfg (320)			
13		+ts_SetCellCfg (p_CellId, cell_FACH_NoConn)			
14		[tcv_NumCfgCell <> 0]			Not first cell to be created
15		+ ts_SS_PCH_FACH_CCCH_Cfg (p_CellId)			
16		+ ts_SS_RACH_CCCH_Cfg (p_CellId)			
17		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
18		+ts_SS_RB_PCCH_Cfg(p_CellId)			
19		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH WA#RRC4095
20		+ts_SS_RB0_Cfg(p_CellId)			
21		+ ts_SetCellCfg (p_CellId, cell_FACH_NoDedicated)			

4.6 ts_AT_OrgPS_Call (WA#RRC3142)

Test step name	ts_AT_OrgPS_Call
Reason for change	There is a mismatch between the requested Minimum QoS through AT commands (local tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call) and accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH).
Summary of change	Added check for the cell configured state in Local Tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call. If the state matches with any of the FACH states set maxBitRateUplink and maxBitRateDnlink to 32 Kbps so that the requested Qos and accepted QoS will match.
Source of change	Anite CR T1031838
Label	WA#RRC3142

4.7 ts_AT_OrgPS_Call (WA#RRC4269)

Test step name	ts_C5_CheckURA_PCH
Reason for change	The RRC connection Release message should use the last updated U-RNTI.
Summary of change	Assigned tcv_CellInfoA.uRNTI in the RRC Connection Release message.
Source of change	New Change
Label	WA#RRC4269

Test Step

Test Step Id:	ts_C5_CheckURA_PCH (p_CellId : INTEGER)
Test Step Group Ref:	RRCM_GenericAnnexC/
Objective:	Verify that UE is in URA_PCH state.
Defaults:	RRC_Def1
Comments:	

...	Label	Behaviour Description	Constraint Ref	...	Comments
1		+ts_RRC_Delay(5000)			5 seconds delay for UE to se ttle to PCH state
2		+ ts_SetTmpCellInfo (p_CellId)			
3		(tcv_TmpCellInfo.ura_Identity := INT _TO_BIT ((BIT_TO_INT (tcv_TmpCel lInfo.ura_Identity) +2) MOD 65534 , 1 6))			Add 2 to the current URA id va lue
4		+ ts_SaveCellInfo (p_CellId)			
5		+ ts_SysInfoModifySIB2_RRC (p_C ellId, c_SIB2_Def (tcv_TmpCellInfo) , tsc_Now)			steps 1-2
6		START t_Dly (5000)			step 2 Wait 5s
7	TSP	TM ? RLC_TR_DATA_IND CANCE L t_Dly	car_URA_Update (p_CellId, tsc_RB0, cr_108_URA_Update (tcv_TmpCellInfo.uRNTI, changeOfURA, noError: NULL))	(P)	step 3
8		UMRLC_UM_DATA_REQ	cas_RRC_ConnRelCCCH(p_CellId, tsc_RB0, cs_108_RRC_ConnRelCCCH (tcv_CellInfoA.uRNTI, tcv_RRC_T))		step 4 WA#RRC4269
9		+ lt_SetCellCfg			
10	TSF1	? TIMEOUT t_Dly		(F)	

5 Branches executed in test case 8.3.2.7

The test case implementation executed the PS branch 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 on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_3_2_7_PS-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 8_3_2_7-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031828**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031841

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **180** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Change U-RNTI and remove UTRAN DRX cycle length coefficient TC 8.3.3.1
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	20/11/2003
Category:	⌘	**F**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	1. U-RNTI used in Cell update confirm is non conformant with 34.123-1-550 2. 34.108 specifies that UTRAN DRX cycle length coefficient should not present in Cell Update Confirm
Summary of change:	⌘	1. Create a new ASN.1 constraint c_U_RNTI_4 with 34.123-1-550 conformant values and use the same in place c_U_RNTI_2 on lines 3 and 4 of lt_TestBody. 2. UTRAN DRX cycle length coefficient is omitted in Cell Update Confirm on lines 14, 21 and 23 of testcase 8.3.3.1
Consequences if not approved:	⌘	1. The testcase will be non compliant with 34.123-1-550 2. The testcase will be non compliant with 34.108-480

Clauses affected:	⌘	N/A

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

Other comments:	⌘	

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

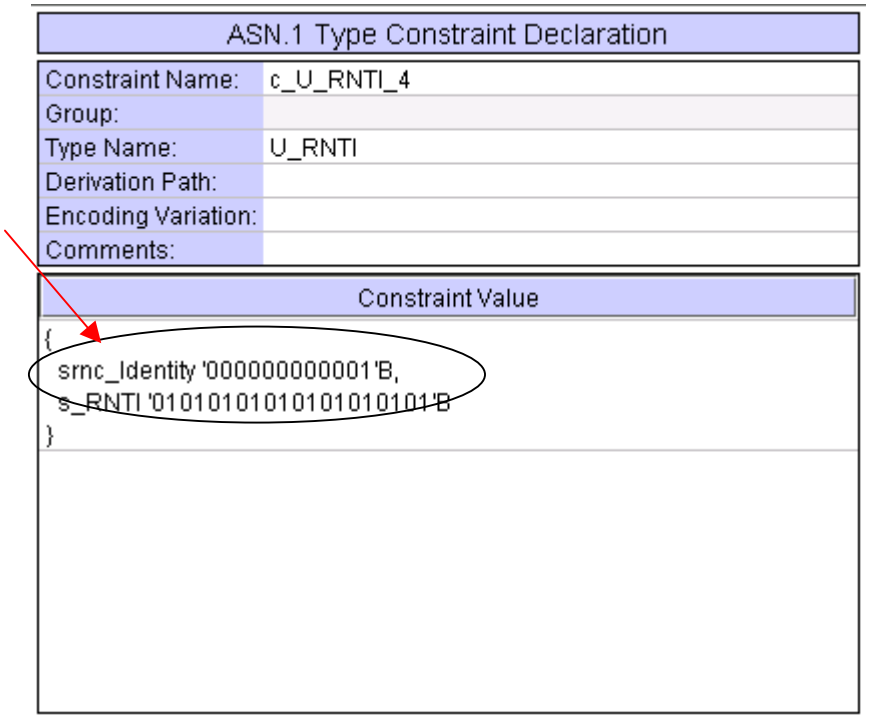
1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

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

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

Local Tree and Test step	ASN.1 Type Constraint Declarations
Reason for change	1. U-RNTI used in Cell update confirm non conformant with 34.123-1-550
Summary of change	1. Create a new ASN.1 constraint c_U_RNTI_4 with 34.123-1-550 conformant values and use the same in place c_U_RNTI_2 on lines 3 and 4 of lt_TestBody
Source of change	new change

Add new constraint:



ASN.1 Type Constraint Declaration

Constraint Name:	c_U_RNTI_4
Group:	
Type Name:	U_RNTI
Derivation Path:	
Encoding Variation:	
Comments:	

Constraint Value

```
{
  srnc_Identity '000000000001'B,
  s_RNTI '01010101010101010101'B
}
```

Before:

			tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		
15		AM ! RLC_AM_DATA_REQ (tcv_CellInfoA.uRNTI:=c_U_RNTI_2, tcv_CellInfoA.cRNTI := tsc_CRNTI_Id2)	cas_RRC_UtranMobilityInfo(tsc_CellDedicated, tsc_RB2, cds_UTRAN_MobilityInfoTimer (tcv_RRC_Ti, tcv_CellIndInfo.dl_IntegrityCheckInfo, c_U_RNTI_2, tsc_CRNTI_Id2))		Step 2 . SS sends UTRAN MOBILITY INFORMATION messag e to allocate new ID
16		+ ts_CMAC_NewU_RNTI_Reconf (tsc_CellA, c_U_RNTI_2, tsc_CRNTI_Id2)			
17		START t_WaitS			
18	TBF1	? TIMEOUT t_WaitS		(F)	
19	TBP1	AM ? RLC_AM_DATA_IND CANCEL t_WaitS	car_RRC_UtranMobilityInfoCnf(tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))	(P)	Step 3 . UE sends UTRAN MOBILITY INFORMATION CONFIRM message

After:

			tcv_CellInfoA.uRX_CycleLength.uTRAN_DRX_CycleLength))		
15		AM ! RLC_AM_DATA_REQ (tcv_CellInfoA.uRNTI:=c_U_RNTI_4, tcv_CellInfoA.cRNTI := tsc_CRNTI_Id2)	cas_RRC_UtranMobilityInfo(tsc_CellDedicated, tsc_RB2, cds_UTRAN_MobilityInfoTimer (tcv_RRC_Ti, tcv_CellIndInfo.dl_IntegrityCheckInfo, c_U_RNTI_4, tsc_CRNTI_Id2))		Step 2 . SS sends UTRAN MOBILITY INFORMATION messag e to allocate new ID
16		+ ts_CMAC_NewU_RNTI_Reconf (tsc_CellA, c_U_RNTI_4, tsc_CRNTI_Id2)			
17		START t_WaitS			
18	TBF1	? TIMEOUT t_WaitS		(F)	
19	TBP1	AM ? RLC_AM_DATA_IND CANCEL t_WaitS	car_RRC_UtranMobilityInfoCnf(tsc_CellDedicated, tsc_RB2, cr_108_UTRAN_MobilityInfoCnf (tcv_RRC_Ti))	(P)	Step 3 . UE sends UTRAN MOBILITY INFORMATION CONFIRM message
20	TBP2	+ ts_RRC_ReceiveCellUnd			Step 5 . UE respond

Local Tree and Test step	Testcase 8.3.3.1
Reason for change	1. 34.108 specifies that UTRAN DRX cycle length coefficient should not present in Cell Update Confirm
Summary of change	1. UTRAN DRX cycle length coefficient is omitted in Cell Update Confirm on lines 14, 21 and 23 of testcase 8.3.3.1
Source of change	new change

Change on line 14:

Before:

					10min-10%=540000ms.
14		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfCCCH(tsc_CellA, tsc_RB0, cbs_108_CellUpdateCnfCCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_CellInfoA.uRNTI,tcv_RRC_Ti, OMIT, OMIT, cell_FACH, OMIT,OMIT,OMIT, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		Step 1c . SS sends CELL UPDATE CONFIRM message CELL UPDATE CNF is now sent on CCCH
15		AM ! RLC_AM_DATA_REQ (tcv_CellInfoA.uRNTI:=c_U_RNTI_4, tcv_CellInfoA.cRNTI := tsc_CRNT	cas_RRC_UtranMobilityInfo(tsc_CellDedicated, tsc_RB2, cds_UTRAN_MobilityInfoTimer (tcv_RR		Step 2 . SS sends UTRAN MOBILITY INFORMATION message to allocate new ID

After:

		(e), 000000,540000)			00 1000 mm sec ond. 10min-10%=540000ms.
14		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfCCCH(tsc_CellA, tsc_RB0, cbs_108_CellUpdateCnfCCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_CellInfoA.uRNTI,tcv_RRC_Ti, OMIT, OMIT, cell_FACH, OMIT,OMIT,OMIT, OMIT))		Step 1c . SS sends CELL UPDATE CONFIRM message CELL UPDATE CNF is now sent on CCCH
15		AM ! RLC_AM_DATA_REQ (tcv_CellInfoA.uRNTI:=c_U_R	cas_RRC_UtranMobilityInfo(tsc_CellDedicated, tsc_RB2, cds_		Step 2 . SS sends UTRAN MOBILITY INFORMATION me

Lines 21 and 23:

Before:

					10min-10%=540000ms.
21		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfCCCH(tsc_CellA, tsc_RB0, cbs_108_CellUpdateCnfCCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo,tcv_CellInfoA.uRNTI,tcv_RRC_TI, OMIT, OMIT, cell_FACH, OMIT,OMIT,OMIT, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		Step 6 . SS sends CELL UPDATE CONFIRM message CELL UPDATE CNF is now sent on CCCH to compy
22		+ ts_RRC_ReceiveCellUpdatePeriodic (tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, periodicalCellUpdate), 330000,270000)			Step 8 . UE responds CELL UPDATE message Timer duration according to step 2: 5min+10%=330000ms, 5min-10%=270000ms
23		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfCCCH(tsc_CellA, tsc_RB0, cbs_108_CellUpdateCnfCCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo,tcv_CellInfoA.uRNTI,tcv_RRC_TI, OMIT, OMIT, cell_FACH, OMIT,OMIT,OMIT, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		Step 9. SS sends CELL UPDATE CONFIRM message CELL UPDATE CNF is now sent on CCCH to compy

After:

21		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfCCCH(tsc_CellA, tsc_RB0, cbs_108_CellUpdateCnfCCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_CellInfoA.uRNTI,tcv_RRC_TI, OMIT, OMIT, cell_FACH, OMIT,OMIT,OMIT, OMIT))		Step 6 . SS sends CELL UPDATE CONFIRM message CELL UPDATE CNF is now sent on CCCH to compy
22		+ ts_RRC_ReceiveCellUpdatePeriodic (tsc_CellA, cbr_108_CellUpdate (tcv_CellInfoA.uRNTI, periodicalCellUpdate), 330000,270000)			Step 8 . UE responds CELL UPDATE message Timer duration according to step 2: 5min+10%=330000ms, 5min-10%=270000ms
23		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfCCCH(tsc_CellA, tsc_RB0, cbs_108_CellUpdateCnfCCCH(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_CellInfoA.uRNTI,tcv_RRC_TI, OMIT, OMIT, cell_FACH, OMIT,OMIT,OMIT, OMIT))		Step 9. SS sends CELL UPDATE CONFIRM message CELL UPDATE CNF is now sent on CCCH to compy

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031842

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **173** ⌘**rev** **1** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Incorrect Timer poll value used for SS RLC transmit entity in TCs 8.2.1.8,8.2.1.9 (Revision of T1-031782)
Source:	⌘	Anite
Work item code:	⌘	TEI 12/12/2003
Category:	⌘	**F**

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

Release: ⌘ R99

Use one of the following releases:

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

Reason for change:	⌘	34.123-1-550 specifies that timer poll value of tp800 be used for testcases 8.2.1.8 and 8.2.1.9
Summary of change:	⌘	1. Add a new constraint cd_UL_AM_RLC_SRB_TimerPoll. 2. Add a new constraint cb_UL_AM_RLC_TimerPoll. 3. In constriant declaration of ca_RB_AM_Info_SRB use cd_UL_AM_RLC_SRB_TimerPoll instead of cd_UL_AM_RLC_SRB. 4. In constriant declaration of ca_RB_AM_Info_RAB use cb_UL_AM_RLC_TimerPoll instead of cb_UL_AM_RLC
Consequences if not approved:	⌘	The testcase will be non compliant with the 34.123-1

Clauses affected:	⌘	NA

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

Other comments: ⌘

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

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

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

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

Local Tree and Test step	ASN.1 Type Constriant Declarations
Reason for change	1. 34.123-1-550 specifies that timerpoll value of tp800 be used for testcases 8.2.1.8 and 8.2.1.9
Summary of change	1. Add a new constraint cd_UL_AM_RLC_SRB_TimerPoll
Source of change	new change

After:

Constriant Name:	cd_UL_AM_RLC_SRB_TimerPoll (p_Timer_poll : TimerPoll)
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	

```
{
 transmissionRLC_Discard noDiscard : dat15,
 transmissionWindowSize tw32,
 timerRST tr500,
 max_RST rst1,
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll p_Timer_poll,
  poll_PDU OMIT,
  poll_SDU sdu1,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

Local Tree and Test step	ASN.1 Type Constriant Declarations
Reason for change	1. 34.123-1-550 specifies that timerpoll value of tp800 be used for testcases 8.2.1.8 and 8.2.1.9
Summary of change	1. Add a new constraint cb_UL_AM_RLC_TimerPoll
Source of change	new change

After:

Constriant Name:	cb_UL_AM_RLC_TimerPoll (p_Timer_poll : TimerPoll)
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	

```
{
 transmissionRLC_Discard noDiscard : dat15,
 transmissionWindowSize tw128,
 timerRST tr500,
 max_RST rst1,
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll p_Timer_poll,
  poll_PDU OMIT,
  poll_SDU sdu1,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw99,
  timerPollPeriodic OMIT
 }
}
```

Local Tree and Test step	ASN.1 ASP Constriant Declarations
Reason for change	1. 34.123-1-550 specifies that timerpoll value of tp800 be used for testcases 8.2.1.8 and 8.2.1.9
Summary of change	1. In constriant declaration of ca_RB_AM_Info_SRB use cd_UL_AM_RLC_SRB_TimerPoll instead of cd_UL_AM_RLC_SRB.
Source of change	new change

Before:

Constriant Name:	ca_RB_AM_Info_SRB(p_CellId: INTEGER; p_RB_Id: INTEGER;p_TimerPollProhbt :TimerPollProhibit; p_Timer_poll: TimerPoll; p_PollSDU: Poll_SDU; p_PollWindw: PollWindow; p_LogChMapping : RB_LogCH_Mapping; p_PayLoad : INTEGER)
Group:	
ASP Name:	CRLC_Config_REQ
Derivation Path:	
Comments:	Used to setup AM RLC entity

```
{
 cellId p_CellId,
 routingInfo rB_Identity: p_RB_Id,
 ratType fdd,
 configMessage setup : {
  sS_rlc_Info { sS_ul_RLC_Mode dl_AM_RLC_Mode :cd_DL_AM_RLC_SRB,
   sS_dl_RLC_Mode {
    dl_PayloadSize p_PayLoad,
    dl_RLCModeInfo ul_AM_RLC_Mode : cd_UL_AM_RLC_SRB
   }
  },
  rB_LogCH_Mapping p_LogChMapping
 }
}
```

After:

Constriant Name:	ca_RB_AM_Info_SRB(p_CellId: INTEGER; p_RB_Id: INTEGER;p_TimerPollProhbt :TimerPollProhibit; p_Timer_poll: TimerPoll; p_PollSDU: Poll_SDU; p_PollWindw: PollWindow; p_LogChMapping : RB_LogCH_Mapping; p_PayLoad : INTEGER)
Group:	
ASP Name:	DL_DCCH_Message
Derivation Path:	
Comments:	Used to setup AM RLC entity

```
{
 cellId p_CellId,
 routingInfo rB_Identity: p_RB_Id,
 ratType fdd,
 configMessage setup : {
  sS_rlc_Info { sS_ul_RLC_Mode dl_AM_RLC_Mode :cd_DL_AM_RLC_SRB,
   sS_dl_RLC_Mode {
    dl_PayloadSize p_PayLoad,
    dl_RLCModeInfo ul_AM_RLC_Mode : cd_UL_AM_RLC_SRB_TimerPoll (p_Timer_poll)
   }
  },
  rB_LogCH_Mapping p_LogChMapping
 }
}
```

Local Tree and Test step	ASN.1 ASP Constriant Declarations
Reason for change	1. 34.123-1-550 specifies that timerpoll value of tp800 be used for testcases 8.2.1.8 and 8.2.1.9
Summary of change	1. In constriant declaration of ca_RB_AM_Info_RAB use cb_UL_AM_RLC_TimerPoll instead of cb_UL_AM_RLC
Source of change	new change

Before:

Constriant Name:	ca_RB_AM_Info_RAB(p_CellId: INTEGER; p_RB_Id: INTEGER;p_TimerPollProhbt :TimerPollProhibit; p_Timer_poll: TimerPoll; p_PollSDU: Poll_SDU; p_PollWindw: PollWindow; p_LogChMapping : RB_LogCH_Mapping; p_PayLoad : INTEGER)
Group:	
ASP Name:	CRLC_Config_REQ
Derivation Path:	
Comments:	Used to setup AM RLC entity

```
{
 cellId p_CellId,
 routingInfo rB_Identity: p_RB_Id,
 ratType fdd,
 configMessage setup : {
  sS_rlc_Info { sS_ul_RLC_Mode dl_AM_RLC_Mode :cb_DL_AM_RLC,
   sS_dl_RLC_Mode {
    dl_PayloadSize p_PayLoad,
    dl_RLCModeInfo ul_AM_RLC_Mode : cb_UL_AM_RLC
   }
  },
  rB_LogCH_Mapping p_LogChMapping
 }
}
```

After:

Constriant Name:	ca_RB_AM_Info_RAB(p_CellId: INTEGER; p_RB_Id: INTEGER;p_TimerPollProhbt :TimerPollProhibit; p_Timer_poll: TimerPoll; p_PollSDU: Poll_SDU; p_PollWindw: PollWindow; p_LogChMapping : RB_LogCH_Mapping; p_PayLoad : INTEGER)
Group:	
ASP Name:	DL_DCCH_Message
Derivation Path:	
Comments:	Used to setup AM RLC entity

```
{
 cellId p_CellId,
 routingInfo rB_Identity: p_RB_Id,
 ratType fdd,
 configMessage setup : {
  sS_rlc_Info { sS_ul_RLC_Mode dl_AM_RLC_Mode :cb_DL_AM_RLC,
   sS_dl_RLC_Mode {
    dl_PayloadSize p_PayLoad,
    dl_RLCModeInfo ul_AM_RLC_Mode : cb_UL_AM_RLC_TimerPoll (p_Timer_poll)
   }
  },
  rB_LogCH_Mapping p_LogChMapping
 }
}
```

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031909

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 224** ⌘**rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Addition of RRC test case 8.3.1.31 to RRC ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	11/12/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RRC test case 8.3.1.31 to the approved RRC ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.1.31 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031909**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 8.3.1.31 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.1.31 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_8_3_1_31
Test Group:	/RRC/RRC_CellUpdate/
ATS Version:	iWD-TVB2003-03_D03wk48 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 8.3.1.31

4.1 Introduction

This section describes the changes required to make test case 8.3.1.31 run correctly with a 3G UE. All modifications are marked with label "**WA#RRC<number>**" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC_wk48.mp which is part of the iWD-TVB2003-03_D03wk48 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.3.1.31:

WA#RRC4258, WA#RRC3141, WA#RRC4097, WA#RRC4096, and WA#RRC3142

4.2 tcv_MIB_ValueTagChanged (WA#RRC4258)

Variable name	tcv_MIB_ValueTagChanged
Reason for change	Currently tcv_MIB_ValueTagChanged is initialised to FALSE, which will cause the MIB value tag to 2 to be incremented first time System information is broadcast. But as per 34.108 value tag of 1 is default.
Summary of change	tcv_MIB_ValueTagChanged to be initialised to TRUE in testcase variable declarations
Source of change	Anite CR T1-031777
Label	WA#RRC4258

tcv_MIB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIBValueTag changed, set to FALSE after MIB delivered to SS. WA#RRC4258

4.3 cr_QoS_InteractiveOrBackgroundMO_CellFACH_Iv (WA#RRC3141)

Constraint name	cr_QoS_InteractiveOrBackgroundMO_CellFACH_Iv

Reason for change	Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should be set to 32kbps
Summary of change	Changed comment to 32kbps
Source of change	New Change
Label	WA#RRC3141

Structured Type Constraint Declaration	
Constraint Name	ct_QoS_InteractiveOrBackgroundMO_CellFACH_lv (p_DlyClass p_trafficClass 03)
Group:	
Type Name:	QualityOfService_lv
Derivation Path:	
Encoding Variation:	
Comments	The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE WA#RRC3141

Element Name	Element Value	Type Encoding	Comments
length	'08'O		
spare	'00'B		
dlyClass	p_DlyClass		
reliabiltyClass	'011'B		Unacknowledged GTP, LLC and Acknowledged RLC; Protected Data
peakThroughput	'0011'B		32 kbps
spare1	'0'B		
precedenceClass	'000'B		Subscribed class
spare2	'000'B		
meanThroughput	'11111'B		best effort
trafficClass	p_trafficClass		Interactive
deliveryOrder	'01'B		With delivery order
deliveryErrorSDU	'010'B		Erroneour SDU are delivered
maxSDUSize	'20'O		320 octets
maxBitRateUplink	'20'O		32 kbps
maxBitRateDnlink	'20'O		32 kbps
residualBER	'0111'B		1 x 10E (-5)
sduErrRatio	'0100'B		1 X 10 E(-4)
transDly	?		Transfer delay will be neglected in case of interactive or background. Hence the value is set to spare
trafficHandpro	?		to be neglected by the UE as the traffic class is Background
bitRateUplink	?		Any value in uplink
bitRateDnlink	?		Any value in Uplink

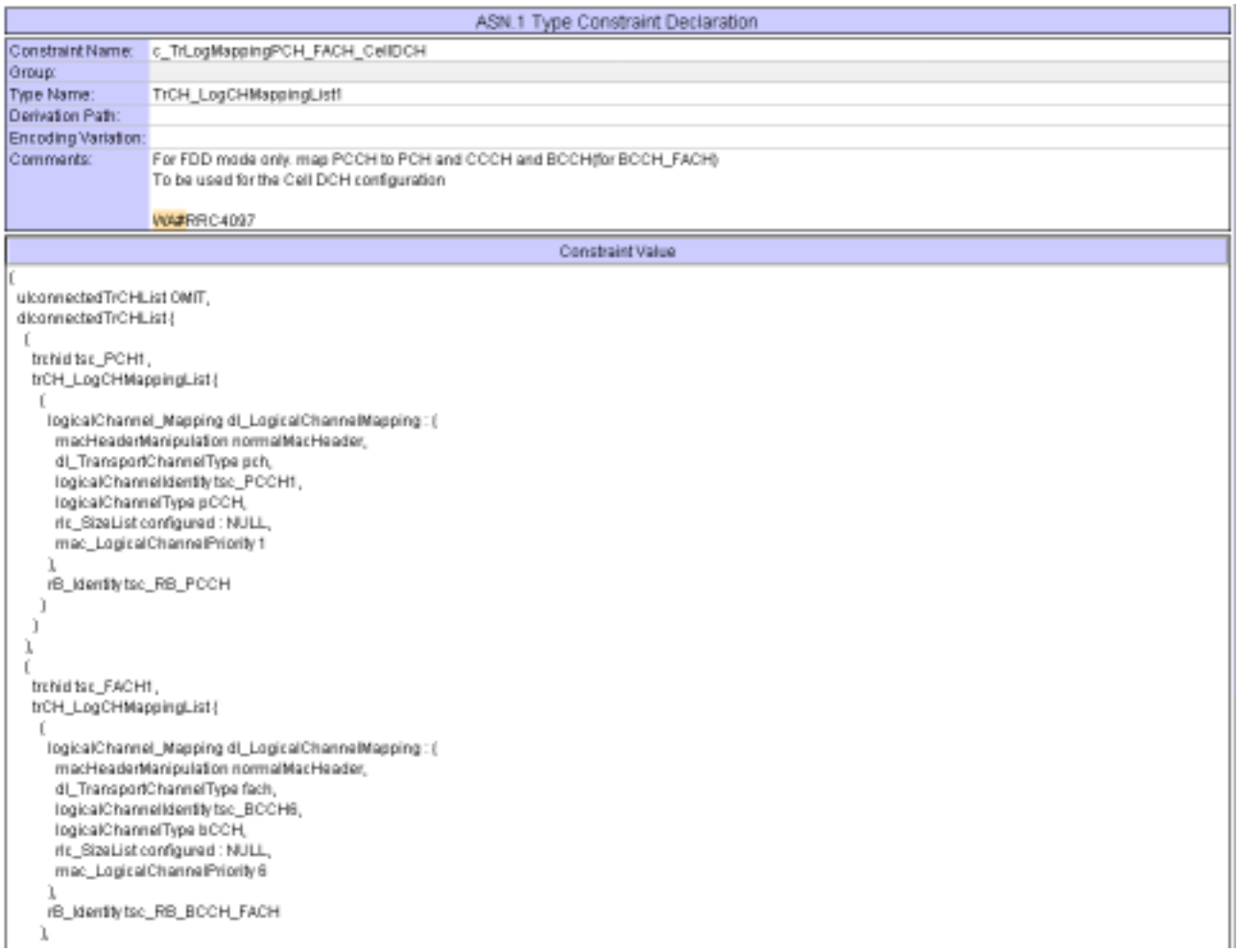
4.4 c_TrLogMappingPCH_FACH_CellDCH (WA#RRC4097)

Constraint name	c_TrLogMappingPCH_FACH_CellDCH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following in c_TrLogMappingPCH_FACH_CellDCH

```
trCH_LogCHMappingList {
{ logicalChannel_Mapping dl_LogicalChannelMapping : {
  macHeaderManipulation normalMacHeader,
  dl_TransportChannelType fach,
  logicalChannelIdentity tsc_BCCH6,
  logicalChannelType bCCH,
  rlc_SizeList configured : NULL,
  mac_LogicalChannelPriority 6
},
rB_Identity tsc_RB_BCCH_FACH
```

},

Source of change	New Change
Label	WA#RRC4097



ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingPCH_FACH_CellDCH
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	For FDD mode only. map PCCH to PCH and CCCH and BCCH(for BCCH_FACH) To be used for the Cell DCH configuration WA#RRC4097

Constraint Value

```
{
 uiconnectedTrCHList OMIT,
 diconnectedTrCHList {
  {
   trchid tsc_PCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType pch,
      logicalChannelIdentity tsc_PCCH1,
      logicalChannelType pCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
     },
     rB_Identity tsc_RB_PCCH
    }
   }
  },
  {
   trchid tsc_FACH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType fach,
      logicalChannelIdentity tsc_BCCH6,
      logicalChannelType bCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 6
     },
     rB_Identity tsc_RB_BCCH_FACH
    },
```

4.5 ts_SS_CreateCellFACH (WA#RRC4096)

Test step name	ts_SS_CreateCellFACH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following test step in ts_SS_CreateCellFACH Line 20 +ts_SS_RB_BCCH_FACH_Cfg(p_CellId)
Source of change	New Change
Label	WA#RRC4096

Test Step				
Test Step Id:	ts_SS_CreateCellFACH (p_CellId : INTEGER)			
Test Step Group Ref:	BasicM_SS_Configuration_Steps/			
Objective:	To setup a baseline cell which consists of the following: For a first cell_FACH cell: physical channels: p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH; transport channels: BCH, FACH, PCH, RACH; logical channels: BCCH, CCCH, PCCH, DCCH; and signalling radio bearer RB0(CCCH), RB1(UM DCCH), RB2(AM DCCH), RB3(AM DCCH for NAS high priority), RB4(AM DCCH for NAS low priority) on FACH and RACH, RB-3(TM BCCH FACH) on FACH, RB20(AM DTCH) on FACH and RACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH) For cells other than the first cell: Same physical channels as for the first cell (p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH); Same transport channels as for the first cell (BCH, FACH, PCH, RACH); Logical channels: BCCH, CCCH, PCCH, no DCCH Signalling radio bearer RB0(CCCH), RB-3(TM BCCH FACH) on FACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH)			
Defaults:	InitOtherwiseFail			
Comments:	CRLC is configured with cellId -1 (tsc_CellDedicated)			

	L..	Behaviour Description	Constraint Ref	..	Comments
1		+ts_SS_CellCfg(p_CellId)			
2		+ts_SS_BCH_SCH_CPICH_Cfg(p_CellId)			
3		+ ts_CountConfiguredCell			
4		[tc_NumCfgCell = 0]			First cell to be created
5		+ts_SS_PCH_2FACH_CCCH_DCCH_BCCH_DTCH_Cfg (p_CellId)			
6		+ts_SS_RACH_CCCH_DCCH_DTCH_Cfg (p_CellId)			
7		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
8		+ts_SS_RB_PCCH_Cfg(p_CellId)			
9		+ts_SS_RB0_Cfg(p_CellId)			
10		+ts_SS_RB1_ToRB4_Cfg			
11		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH
12		+ts_SS_RB20_AM_PS_Cfg (320)			
13		+ts_SetCellCfg (p_CellId, cell_FACH_NoConn)			
14		[tc_NumCfgCell <> 0]			Not first cell to be created
15		+ ts_SS_PCH_FACH_CCCH_Cfg (p_CellId)			
16		+ ts_SS_RACH_CCCH_Cfg (p_CellId)			
17		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
18		+ts_SS_RB_PCCH_Cfg(p_CellId)			
19		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH WA#RRC4095
20		+ts_SS_RB0_Cfg(p_CellId)			
21		+ ts_SetCellCfg (p_CellId, cell_FACH_NoDedicated)			

4.6 ts_AT_OrgPS_Call (WA#RRC3142)

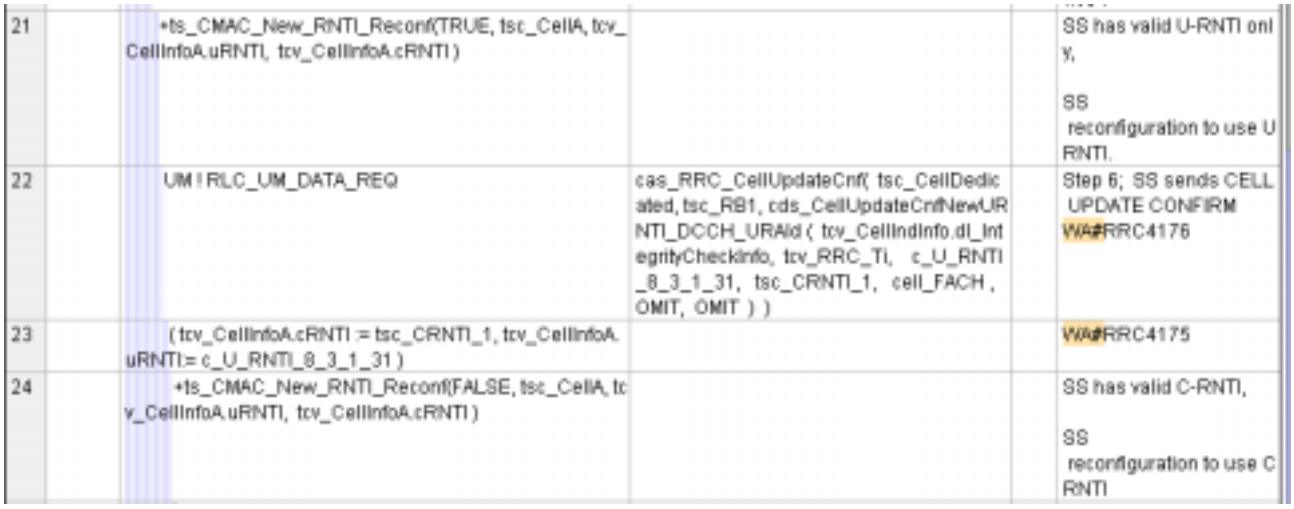
Test step name	ts_AT_OrgPS_Call
Reason for change	There is a mismatch between the requested Minimum QoS through AT commands (local tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call) and accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH).
Summary of change	Added check for the cell configured state in Local Tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call. If the state matches with any of the FACH states set maxBitRateUplink and maxBitRateDnlink to 32 Kbps so that the requested Qos and accepted QoS will match.
Source of change	Anite CR:T1-031838
Label	WA#RRC3142

4.7 tc_8_3_1_31 (WA#RRC4176)

Test step name	tc_8_3_1_31
Reason for change	According to prose, Cell Update Confirm message should contain New U-RNTI & New C-RNTI
Summary of change	Added U_RNTI & C_RNTI to Cell update Confirm message
Source of change	New Change
Label	WA#RRC4176

4.8 tc_8_3_1_31 (WA#RRC4175)

Test step name	tc_8_3_1_31
Reason for change	The New CRNTI value must be used in the local configuration, and updated the U-RNTI value.
Summary of change	(tcv_CellInfoA.cRNTI := tsc_CRNTI_1, tcv_CellInfoA.uRNTI:= c_U_RNTI_8_3_1_31)
Source of change	New Change
Label	WA#RRC4175



21		+ts_CMAC_New_RNTI_Reconf(TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)		SS has valid U-RNTI only, SS reconfiguration to use URNTI.
22		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cds_CellUpdateCnfNewURNTI_DCCH_URAId (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, c_U_RNTI_8_3_1_31, tsc_CRNTI_1, cell_FACH , OMIT, OMIT))	Step 6; SS sends CELL UPDATE CONFIRM WA#RRC4176
23		(tcv_CellInfoA.cRNTI := tsc_CRNTI_1, tcv_CellInfoA.uRNTI:= c_U_RNTI_8_3_1_31)		WA#RRC4175
24		+ts_CMAC_New_RNTI_Reconf(FALSE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)		SS has valid C-RNTI, SS reconfiguration to use CRNTI

4.9 c_U_RNTI_8_3_1_31 (WA#RRC4263)

Constraint name	c_U_RNTI_8_3_1_31
Reason for change	A new U-RNTI value should be used according to the test case prose.
Summary of change	Introuded new constraint
Source of change	New Change
Label	WA#RRC4263

ASN.1 Type Constraint Declaration

Constraint Name:	c_U_RNTI_8_3_1_31
Group:	
Type Name:	U_RNTI
Derivation Path:	
Encoding Variation:	
Comments:	WAIFRRC4263

Constraint Value

```
{
  srnc_identity '000000000001'B,
  s_RNTI '000000000000010101'B
}
```

5 Branches executed in test case 8.3.1.31

The test case implementation executed the PS branch 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 on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_3_1_31_PS-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 8_3_1_31-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031910**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031913

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **226** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Validation of TMSI Status in ATTACH REQUEST message for TC 12.3.1.5.
Source:	⌘	Anite
Work item code:	⌘	TEI 11/12/2003
Category:	⌘	**F**

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

Release: ⌘ R99

Use one of the following releases:

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

Reason for change:	⌘	According to 24.008 4.7.3.2.1 "*If there is no valid P-TMSI available, the IMSI shall be included instead of the P-TMSI and P-TMSI signature. Furthermore the MS shall include the TMSI status IE if no valid TMSI is available*" and According to 34.123-1 12.3.1.5 Expected Sequence Step 3 specifies *TMSI Status = no valid TMSI available*. In ATS TMSI Status = *no valid TMSI available* is not validated.
Summary of change:	⌘	In NAS ATS for test case 12.3.1.5, ATTACH REQUEST.TMSI Status = *no valid TMSI available* constraint introduced.
Consequences if not approved:	⌘	Test case implementation not according to test specification.

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

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

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

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

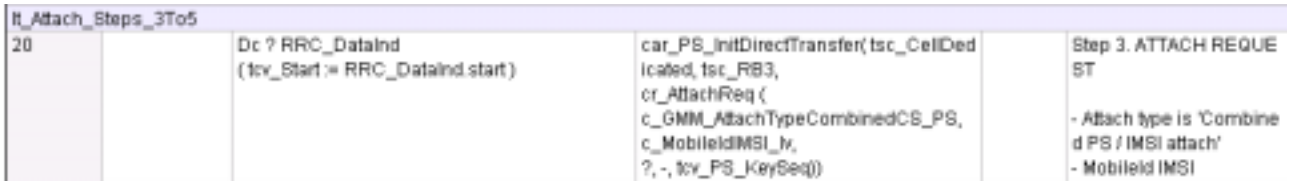
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

TTCN Change description

Change 1 : Reference to new PDU constraint in test case body.

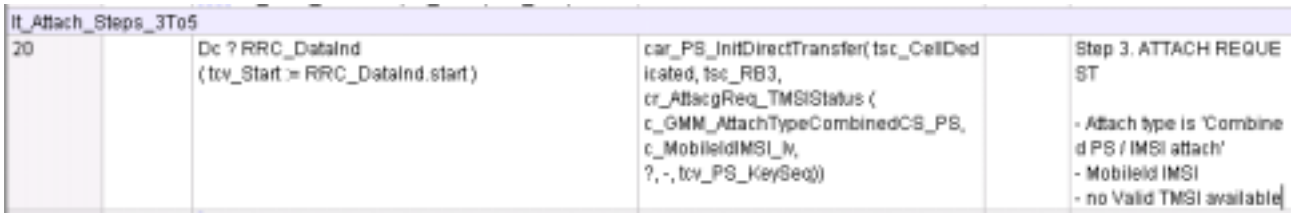
Local Tree and Test step	***Tc_12_3_1_5* test case, step *It_Attach_Steps_3To5***
Reason for change	ATTACH REQUEST PDU constraint is replaced with new constraint.
Summary of change	Step 20 is modified to include newly defined ATTACH REQUEST PDU constraint. car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, ***cr_AttacgReq_TMSIStatus*** (c_GMM_AttachTypeCombinedCS_PS, c_MobileIdIMSI_lv, ?, -, tcv_PS_KeySeq))
Source of change	Anite

Before Change:



It_Attach_Steps_3To5					
20		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_GMM_AttachTypeCombinedCS_PS, c_MobileIdIMSI_lv, ?, -, tcv_PS_KeySeq))		Step 3. ATTACH REQUEST - Attach type is 'Combined PS / IMSI attach' - MobileId IMSI

After Change:



It_Attach_Steps_3To5					
20		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttacgReq_TMSIStatus (c_GMM_AttachTypeCombinedCS_PS, c_MobileIdIMSI_lv, ?, -, tcv_PS_KeySeq))		Step 3. ATTACH REQUEST - Attach type is 'Combined PS / IMSI attach' - MobileId IMSI - no Valid TMSI available

Change 2 : Introducing new PDU constraint declaration for ATTACH REQUEST

Local Tree and Test step	**Tabuler PDU Constraint Déclarations**
Reason for change	New PDU Constraint ***cr_AttacgReq_TMSIStatus*** is introduced.
Summary of change	Provided below
Source of change	Anite

PDU Constraint Declaration	
Constraint Name:	cr_AttacgReq_TMSIStatus(p_AttachType : AttachType; p_MobId : MS_Identity_iv; p_RAI : RAI_v; p_PTMSISig : PTMSI_Signature; p_KeySeq : KeySeq)
Group:	
PDU Name:	ATTACHREQUEST
Derivation Path:	
Encoding Rule Name:	
Encoding Variation:	
Comments:	Attach Request for combined PS / IMSI attach with mandatory IMSI status IE

Field Name	Element Value	Type Encoding	Comments
skipIndicator	'0000'B		
gMMProtocolDiscriminator	tsc_GMM_PD		
msgType	'00000001'B		
msNetworkCap	?		
gprsCiphKeySeqNo	c_CiphKeySeqNum(p_KeySeq)		
attachType	p_AttachType		
drxParameter	?		
ptmsiORimsi	p_MobId		
oldRAI	p_RAI		
msRadioAccessCap	?		
oldPTMSI_Signature	p_PTMSISig IF_PRESENT		
readyTimer	*		
tmsiStatus	c_TMSI_Status		no Valid TMSI Available

Change 3: Introducing structured type constraint declaration

Local Tree and Test step	**Structured type Constraint Declarations**
Reason for change	New structured type constraint ***c_TMSI_Status*** is introduced.
Summary of change	Provided below
Source of change	Anite

Structured Type Constraint Declaration	
Constraint Name:	c_TMSI_Status
Group:	
Type Name:	TMSI_Status
Derivation Path:	
Encoding Variation:	
Comments:	with no valid TMSI available

Element Name	Element Value	Type Encoding	Comments
iei	'1001'B		
spare3	'000'B		
flag	'0'B		no valid TMSI available

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031914

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **227** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Validation of optional Old PTMSI Signature in ATTACH REQUEST message in TC 12.2.1.1
Source:	⌘	Anite
Work item code:	⌘	TEI 11/12/2003
Category:	⌘	**F**

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

Release: ⌘ R99

Use one of the following releases:

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

Reason for change:	⌘	According to 24.008 9.4.1.1, *Old P-TMSI Signature IE is included if a valid P-TMSI and P-TMSI signature are stored in the MS*. In the NASv330 ATS for 12.2.1.1 Old PTMSI Signature is not allowed in ATTACH REQUEST and the test case fails when UE includes valid Old PTMSI Signature in ATTACH REQUEST.
Summary of change:	⌘	In NAS ATS for test case 12.2.1.1, ATTACH REQUEST.Old PTMSI Signature is ignored if preset.
Consequences if not approved:	⌘	Test case fails with conformant UE, when sends optional Old PTMSI Signature in ATTACH REQUEST.

Clauses affected:	⌘	NA

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

Other comments: ⌘

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

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

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

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

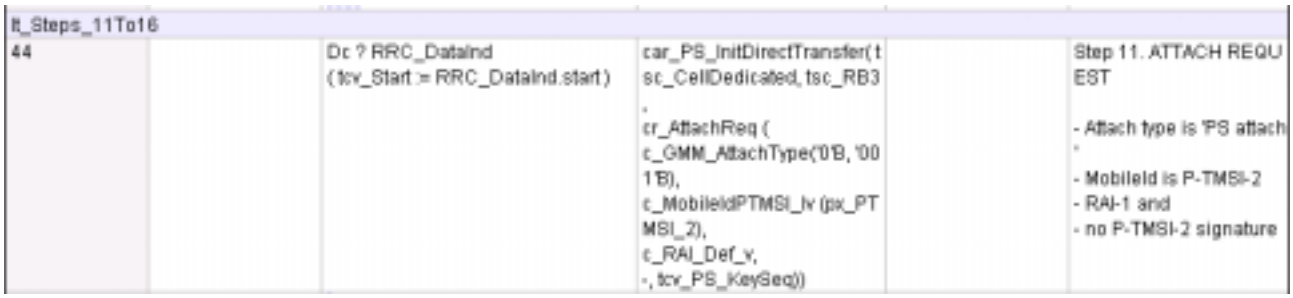
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

TTCN Change description

Change 1 : Ignoring optional Old PTMSI Signature from ATTACH REQUEST

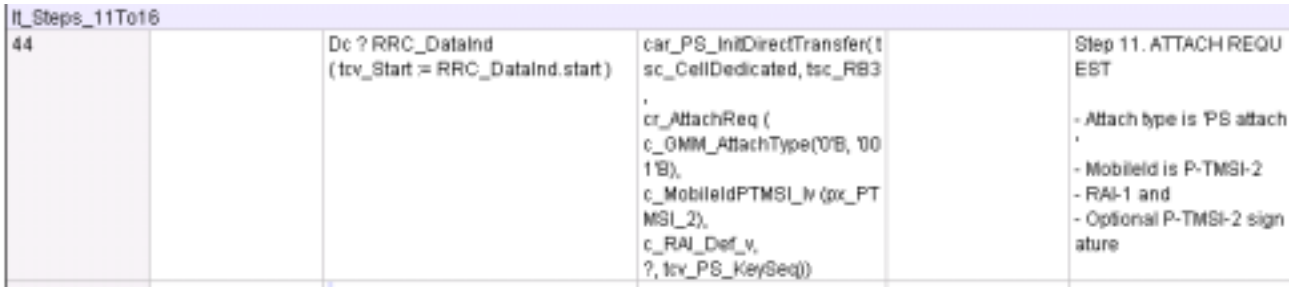
Local Tree and Test step	***Tc_12_2_1_1* test case, step *It_Attach_Steps_11To16***
Reason for change	ATTACH REQUEST PDU constraint modified to ignore Old PTMSI Signature.
Summary of change	Old PTMSI Signature constraint modified from '-' to '?'. Details provided below
Source of change	Anite

Before Change:



It_Steps_11To16					
44		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(t sc_CellDedicated, tsc_RB3 , cr_AttachReq (c_GMM_AttachType('01'B, '00 1'B), c_MobileIdPTMSI_lv (px_PT MSI_2), c_RAI_Def_v, -, tcv_PS_KeySeq))		Step 11. ATTACH REQU EST - Attach type is 'PS attach ' - MobileId is P-TMSI-2 - RAI-1 and - no P-TMSI-2 signature

After Change:



It_Steps_11To16					
44		Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(t sc_CellDedicated, tsc_RB3 , cr_AttachReq (c_GMM_AttachType('01'B, '00 1'B), c_MobileIdPTMSI_lv (px_PT MSI_2), c_RAI_Def_v, ?, tcv_PS_KeySeq))		Step 11. ATTACH REQU EST - Attach type is 'PS attach ' - MobileId is P-TMSI-2 - RAI-1 and - Optional P-TMSI-2 sign ature

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031921

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **174** ⌘ **rev** **2** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Correction of POLL bit checking in test case 7.2.3.13 (Revision of T1-031839)
Source:	⌘	Anite
Work item code:	⌘	TEI 12/12/2003
Category:	⌘	**F**

Release: ⌘ R99

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

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

Use one of the following releases:

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

Reason for change:	⌘	In Test case 7.2.3.13, in the local test step "lt_WinFull" POLL bit is not checked.
Summary of change:	⌘	In Test case 7.2.3.13, in the local test step "lt_WinFull" POLL bit check is added.
Consequences if not approved:	⌘	Test cases will not be conformant to the prose.

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

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Test case name	tc_7_2_3_13
Reason for change	1. In Test case 7.2.3.13, in the local test step “lt_WinFull” POLL bit is not checked.
Summary of change	1. In Test case 7.2.3.13, in the local test step “lt_WinFull” POLL bit check is added.
Source of change	Test cases will not be conformant to the prose.

Before:

lt_WinFull(p_W: INTEGER)

54		[(tcv_NumPDUsRx MOD p_W = 0) OR (tcv_NumPDUsRx = (2 * p_W) + (p_W / 2))]			20
55		(tcv_UE_TxWinFull := TRUE)			5
56		START t_NoUE_Tx(2 * p_W * tcv_DefaultRB_TTI)			6
57		[TRUE]			20

After:

lt_WinFull(p_W: INTEGER)

0		[(tcv_NumPDUsRx MOD p_W = 0) OR (tcv_NumPDUsRx = (2 * p_W) + (p_W / 2))]			20
1		(tcv_UE_TxWinFull := TRUE)			5
2		START t_NoUE_Tx(2 * p_W * tcv_DefaultRB_TTI)			6
3	TBF3	[tcv_AMD_PDU.pollingBit = tsc_P_NoPoll]		(F)	
3	TBP2	[tcv_AMD_PDU.pollingBit = tsc_P_Poll]		(P)	
0		[TRUE]			20

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031922

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **230** ⌘ **rev** **-** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Validation of CS CKSN in PAGING RESPONSE in TC 9.2.1.
Source:	⌘	Anite
Work item code:	⌘	TEI 12/12/2003
Category:	⌘	**F**

Release: ⌘ R99

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

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

Use one of the following releases:

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

Reason for change:	⌘	According to 24.123-1 9.2.1 section 9.2.1.5, the test requirements specifies : *At step 8 the UE shall indicate in a PAGING RESPONSE message the ciphering key sequence number which was allocated to it through the authentication procedure*. In NAS ATS for 9.2.1, CS CKSN is not validated from PAGING RESPONSE against the CS CKSN which was allocated through authentication procedure.
Summary of change:	⌘	In NAS ATS for test case 9.2.1, CS CKSN validated from PAGING RESPONSE with value which was allocated through authentication procedure.
Consequences if not approved:	⌘	Test case implementation not according to test specification.

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

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

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

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

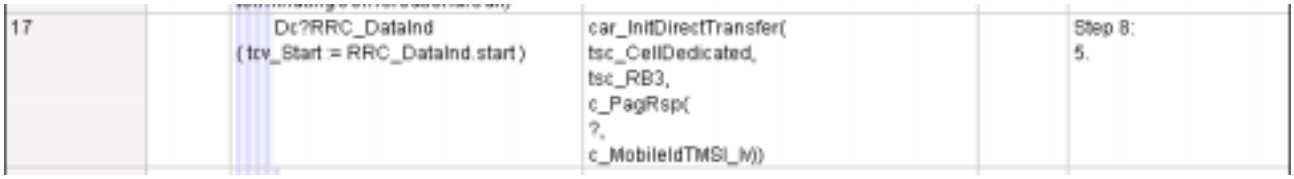
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

TTCN Change description

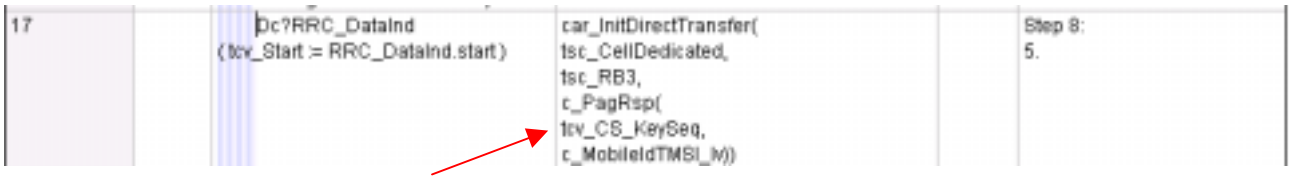
Change 1 : Validating CS CKSN in PAGING RESPONSE

Local Tree and Test step	***Tc_9_2_1* test case, *It_Body* step 17**
Reason for change	CS CKSN is validated between PAGING RESPONSE form UE and value previously used in authentication procedure.
Summary of change	tcv_CS_KeySeq parameter used in PAGING RESPONSE constraint in place of '?' for CKSN parameter. Details provided below.
Source of change	Anite

Before Change:



After Change:



3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031924

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **175** ⌘ **rev** **1** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	Modification to Radio Bearer Release message in TCs 8.2.3.18 and 8.2.3.19. (Revision of T1-031843)
Source:	⌘	Anite
Work item code:	⌘	TEI 12/12/2003
Category:	⌘	**F**

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

Release: ⌘ R99

Use one of the following releases:

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

Reason for change:	⌘	The 'RADIO BEARER RELEASE' message does not match the specification in test cases 8.2.3.18 and 8.2.3.19.
Summary of change:	⌘	1. Modified cs_RRC_RB_RelPCH_DRX_CycleLengthCoeff making IE 'activation Time' set as OMIT, the IE 'ul_deletedTransChInfoList ' and 'dl_DeletedTransChInfoList' set properly as given in TS 34.108. 2. Modified cs_RB_RelDCH_ToFACH_URA making IE's 'ul_deletedTransChInfoList ' and 'dl_DeletedTransChInfoList' set properly as given in TS 34.108.
Consequences if not approved:	⌘	Test case not complaint with prose.

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

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

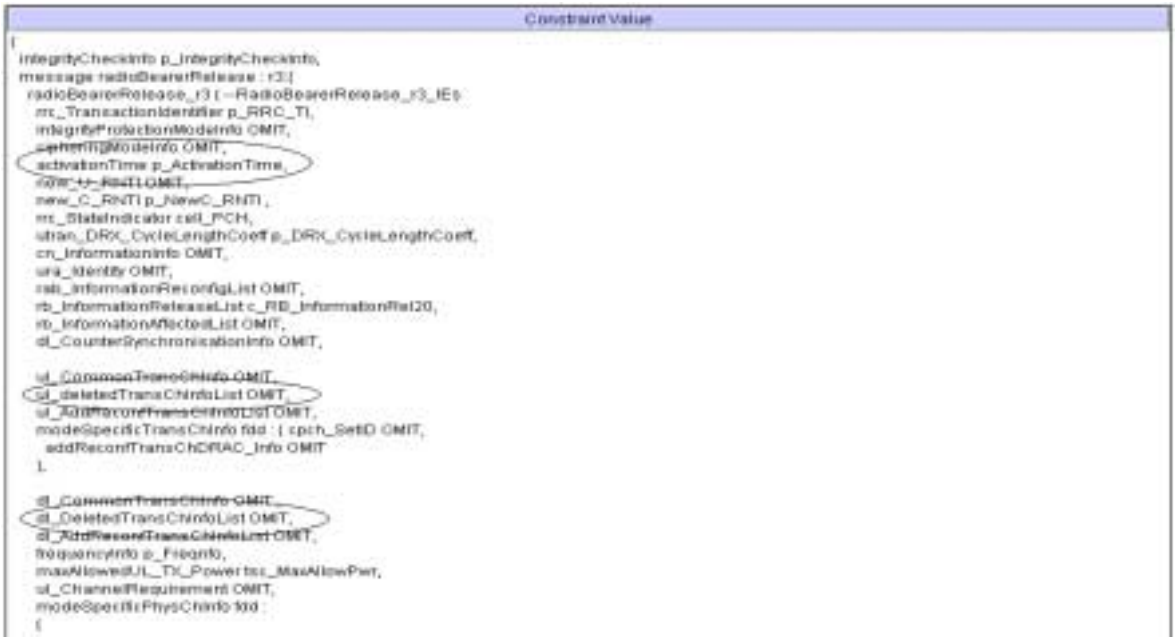
1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

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

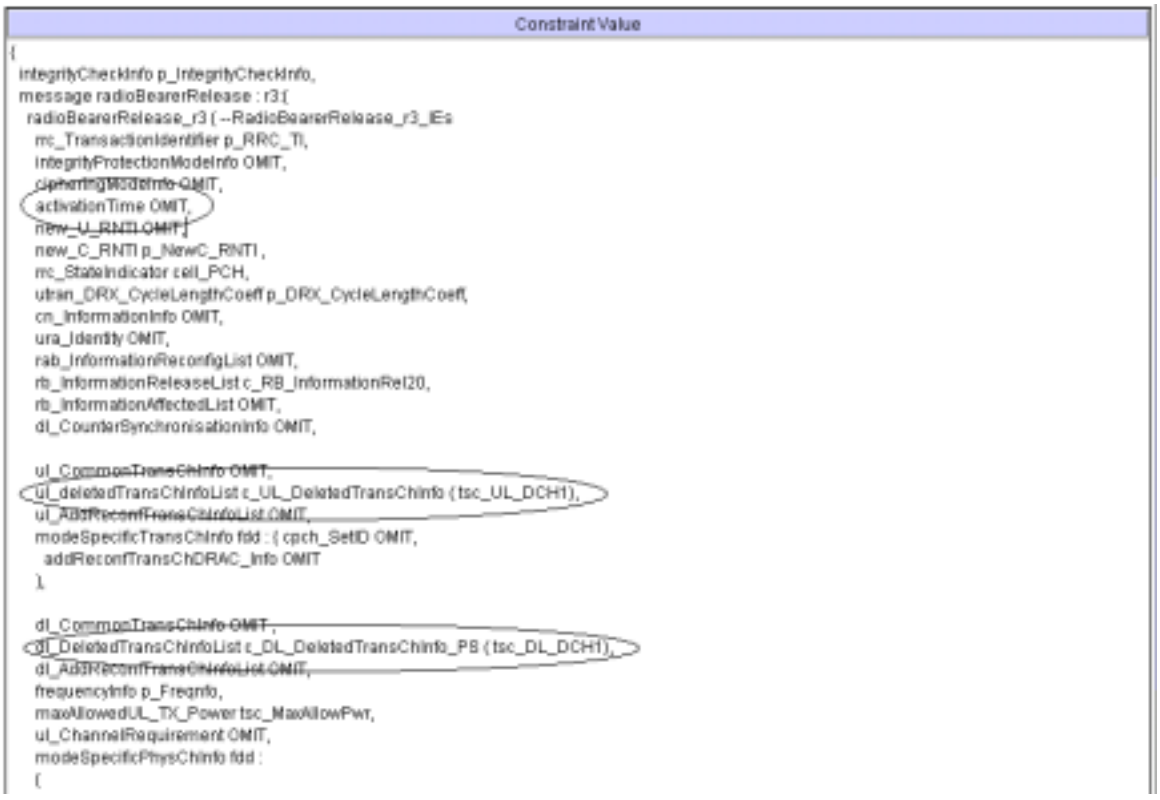
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

ASN.1 PDU Constraint Declaration	In cs_RRC_RB_RelPCH_DRX_CycleLengthCoeff (ASN.1 PDU Constraint Declaration)
Reason for change	The 'RADIO BEARER RELEASE' message is not matching the specification
Summary of change	Modified cs_RRC_RB_RelPCH_DRX_CycleLengthCoeff making IE 'activation Time' set as OMIT, the IE's 'ul_deletedTransChInfoList ' and 'dl_DeletedTransChInfoList' set properly as given in TS 34.108.
Source of change	new change

Before:



After :



Test step	Tc 8.2.3.18
Reason for change	The 'RADIO BEARER RELEASE' message is not matching the specification
Summary of change	1. In Line 10 of test case 8.2.3.18 added step for assigning UE a different CRNTI equal to '1010101010101010'B 2. Removed call to test step ts_CalculateActTime from Line 11 of test case 8.2.3.18.
Source of change	new change

Before:

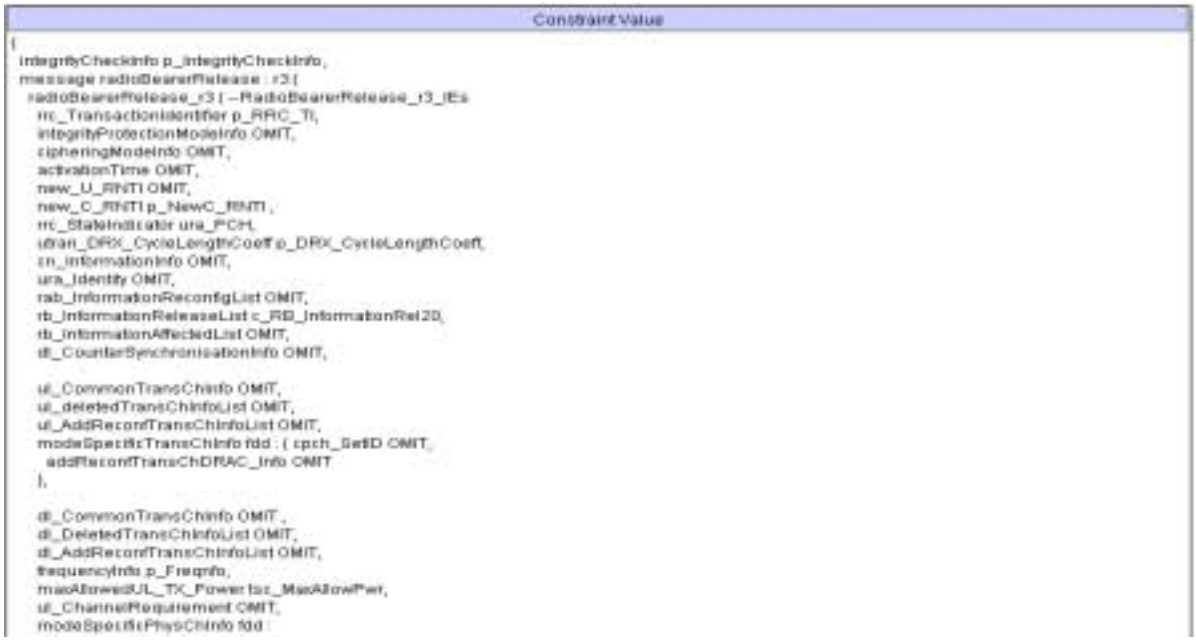
lt_LocalTest					
9	TBS	(tcv_TestBody=TRUE)			
10		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3)			
11		+ts_CalculateActTime (tsc_CellA)			
12		AM ! RLC_AM_DATA_REQ	cas_RB_Release (tsc_CellDedicated, tsc_RB2, cs_RRC_RB_RelPCH_DRX_CycleLengthCoeff (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_ActTime, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.cRNTI, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		step 1 in prose; From Interactive / Background UL/DL64 kbps PS RAB + SRBs to Stand-alone SRBs for PCCH,CCCH,DCCH, BCCH
13		+ts_RRC_ReceiveRB_RelCmpl (tsc_CellA, cell_FACH)			step 2 in prose;
14		+ts_RRC_Delay (tsc_WaitBeforePaging)			SS waits 5 s to make the uE read SysInfo before paging is sent

After :

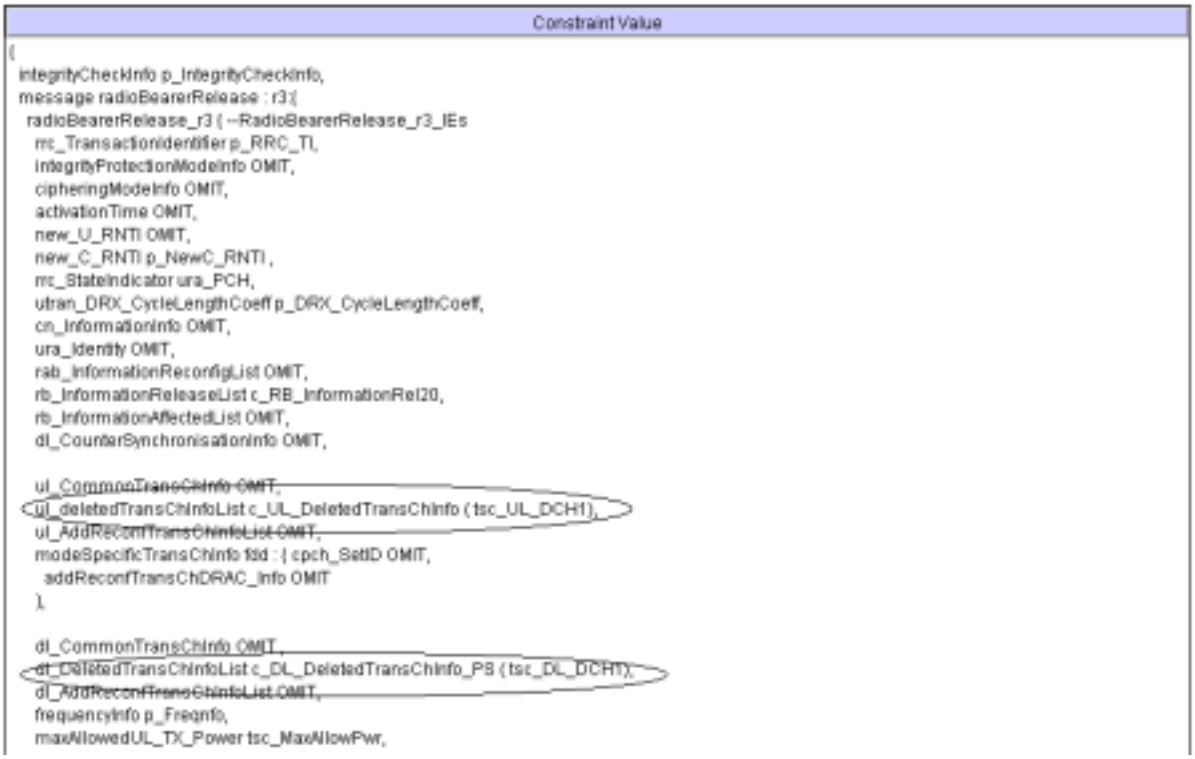
lt_LocalTest					
9	TBS	(tcv_TestBody=TRUE)			
10		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3, tcv_CellInfoA.cRNTI := tsc_New_CRNTI2)			
11		AM ! RLC_AM_DATA_REQ	cas_RB_Release (tsc_CellDedicated, tsc_RB2, cs_RRC_RB_RelPCH_DRX_CycleLengthCoeff (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_ActTime, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.cRNTI, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		step 1 in prose; From Interactive / Background UL/DL64 kbps PS RAB + SRBs to Stand-alone SRBs for PCCH,CCCH,DCCH, BCCH
12		+ts_RRC_ReceiveRB_RelCmpl (tsc_CellA, cell_FACH)			step 2 in prose;
13		+ts_RRC_Delay (tsc_WaitBeforePaging)			SS waits 5 s to make the uE read SysInfo before paging is sent

ASN.1 PDU Constraint Declaration	In cs_RB_RelDCH_ToFACH_URA (ASN.1 PDU Constraint Declaration)
Reason for change	The 'RADIO BEARER RELEASE' message is not matching the specification
Summary of change	Modified cs_RRC_RB_RelPCH_DRX_CycleLengthCoeff making IE's 'ul_deletedTransChInfoList ' and 'dl_DeletedTransChInfoList' set properly as given in TS 34.108.
Source of change	new change

Before:



After:



Test step	Tc 8.2.3.19
Reason for change	The 'RADIO BEARER RELEASE' message is not matching the specification
Summary of change	1. In Line 10 of test case 8.2.3.19 added step for assigning UE a different CRNTI equal to '1010101010101010'B
Source of change	new change

Before:

lt_LocalTest					
9	TBS	(tcv_TestBody=TRUE)			
10		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3)			
11		AM ! RLC_AM_DATA_REQ	cas_RB_Release(tsc_CellDedicated, tsc_RB2, cs_RB_RelDCH_ToFACH_URA (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode , tcv_CellInfoA.cRNTI, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		step 1 in prose; From Interactive / Background UL/DL64 kbps PS RAB + SRBs to Stand-alone SRBs for PCCH,CCCH,DCCH, BCCH
12		+ ts_RRC_ReceiveRB_RelCmpl (tsc_CellA, cell_FACH)			step 2 in prose;
13		+ts_RRC_Delay(tsc_WaitBeforePaging)			step 2a in prose; SS waits to make the uE read SysInfo before paging is sent

After :

lt_LocalTest					
9	TBS	(tcv_TestBody=TRUE)			
10		(tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength := 3, tcv_CellInfoA.cRNTI := tsc_New_CRNTI2)			
11		AM ! RLC_AM_DATA_REQ	cas_RB_Release(tsc_CellDedicated, tsc_RB2, cs_RB_RelDCH_ToFACH_URA (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, tcv_CellInfoA.frequencyInfo, tcv_CellInfoA.priScrmCode , tcv_CellInfoA.cRNTI, tcv_CellInfoA.dRX_CycleLength.uTRAN_DRX_CycleLength))		step 1 in prose; From Interactive / Background UL/DL64 kbps PS RAB + SRBs to Stand-alone SRBs for PCCH,CCCH,DCCH, BCCH
12		+ ts_RRC_ReceiveRB_RelCmpl (tsc_CellA, cell_FACH)			step 2 in prose;
13		+ts_RRC_Delay(tsc_WaitBeforePaging)			step 2a in prose; SS waits to make the uE read SysInfo before paging is sent

3GPP TSG-T1 Meeting #22
Hyderabad, India, 2nd – 6th February 2004

Tdoc ⌘T1-031925

CR-Form-v7

CHANGE REQUEST

⌘ **34.123-3** **CR** **176** ⌘**rev** **1** ⌘ Current version: **3.3.0** ⌘

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

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

Title:	⌘	**Maximum allowed UL TX power** should not be present in TC 8.2.2.8, 8.2.2.9 and 8.2.2.23 (Revision of T1-031837)
Source:	⌘	Anite
Work item code:	⌘	TEI 12/12/2003
Category:	⌘	**F**

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

Release: ⌘ R99

Use one of the following releases:

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

Reason for change:	⌘	According to 34.123 the IE **Maximum allowed UL TX power** should not be present in the message RADIO BEARER RECONFIGURATION (In test case 8.2.2.8, 8.2.2.9 and 8.2.2.23). Currently SS is sending RADIO BEARER RECONFIGURATION message containing the IE **Maximum allowed UL TX power** present (with the value 33).
Summary of change:	⌘	The following TTCN change required for not sending the IE **Maximum allowed UL TX power** in the message RADIO BEARER RECONFIGURATION - The following TTCN change required for not sending the IE **Maximum allowed UL TX power** in the message RADIO BEARER RECONFIGURATION - 1. For 8.2.2.8 and 8.2.2.9 In **cds_RB_ReconfigDCH_ToFACH_RB20_RST600**, a line to be added to set the value of **maxAllowedUL_TX_Power** to OMIT. 2. For TC 8.2.2.23 In **cds_RB_ReconfDCH_ToFACH_PCH_RLC_Status500ms_RST600**, a line to be added to set the value of **maxAllowedUL_TX_Power** to OMIT.
Consequences if not approved:	⌘	The testcases will be non compliant with the 34.123-1

Clauses affected:	⌘	NA

		Y	N			
Other specs affected:	⌘	☐	☐	Other core specifications	⌘	
		☐	☐	Test specifications		

	O&M Specifications	
Other comments:	⌘	

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

ASN.1 PDU Constraint Declarations	cds_RB_ReconfigDCH_ToFACH_RB20_RST600
Reason for change	According to 34.123 the IE **Maximum allowed UL TX power** should not be present in the message RADIO BEARER RECONFIGURATION (in test case 8.2.2.8 and 8.2.2.9). Currently SS is sending RADIO BEARER RECONFIGURATION message containing the IE **Maximum allowed UL TX power** present (with the value 33).
Summary of change	The following TTCN change is required for not sending the IE **Maximum allowed UL TX power** in the message RADIO BEARER RECONFIGURATION - In **cds_RB_ReconfigDCH_ToFACH_RB20_RST600**, a line to be added to set the value of **maxAllowedUL_TX_Power** to OMIT.
Source of change	New change

Before:

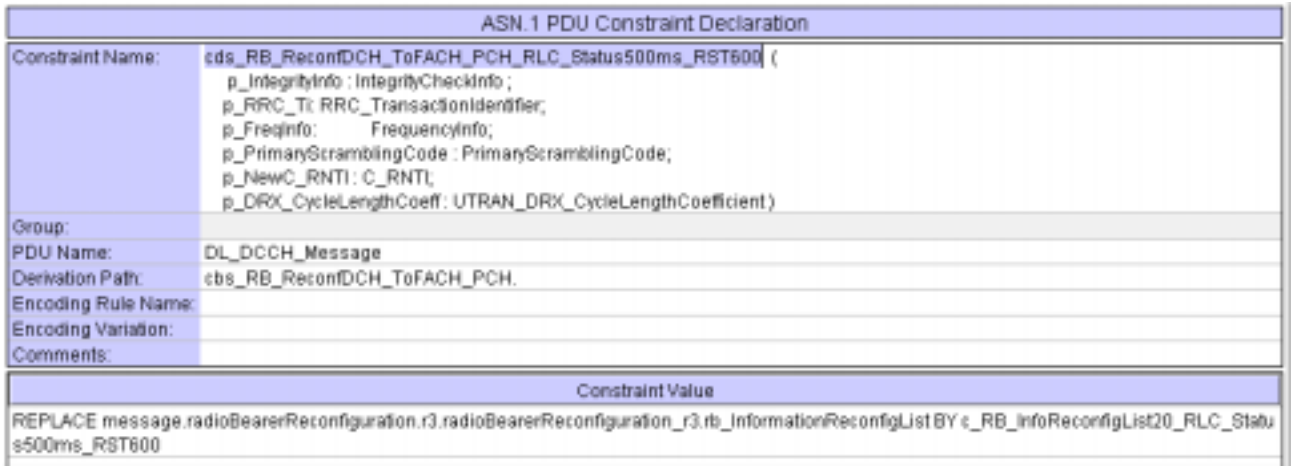
ASN.1 PDU Constraint Declaration	
Constraint Name:	cds_RB_ReconfigDCH_ToFACH_RB20_RST600 (p_IntegrityInfo : IntegrityCheckInfo ; p_RRC_TI: RRC_TransactionIdentifier; p_FreqInfo: FrequencyInfo; p_PrimaryScramblingCode : PrimaryScramblingCode; p_NewC_RNTI : C_RNTI)
Group:	
PDU Name:	DL_DCCH_Message
Derivation Path:	cbs_108_RB_ReconfigDCH_ToFACH.
Encoding Rule Name:	
Encoding Variation:	
Comments:	
Constraint Value	
REPLACE message.radioBearerReconfiguration.r3.radioBearerReconfiguration_r3.rb_InformationReconfigList BY c_RB_InfoReconfigList20_RST600	

After:

ASN.1 PDU Constraint Declaration	
Constraint Name:	cds_RB_ReconfigDCH_ToFACH_RB20_RST600 (p_IntegrityInfo : IntegrityCheckInfo ; p_RRC_TI: RRC_TransactionIdentifier; p_FreqInfo: FrequencyInfo; p_PrimaryScramblingCode : PrimaryScramblingCode; p_NewC_RNTI : C_RNTI)
Group:	
PDU Name:	DL_DCCH_Message
Derivation Path:	cbs_108_RB_ReconfigDCH_ToFACH.
Encoding Rule Name:	
Encoding Variation:	
Comments:	
Constraint Value	
REPLACE message.radioBearerReconfiguration.r3.radioBearerReconfiguration_r3.rb_InformationReconfigList BY c_RB_InfoReconfigList20_RST600, REPLACE message.radioBearerReconfiguration.r3.radioBearerReconfiguration_r3.maxAllowedUL_TX_Power BY OMIT	

ASN.1 PDU Constraint Declarations	cds_RB_ReconfDCH_ToFACH_PCH_RLC_Status500ms_RST600
Reason for change	According to 34.123 the IE **Maximum allowed UL TX power** should not be present in the message RADIO BEARER RECONFIGURATION (in 8.2.2.23). Currently SS is sending RADIO BEARER RECONFIGURATION message containing the IE **Maximum allowed UL TX power** present (with the value 33).
Summary of change	The following TTCN change required for not sending the IE **Maximum allowed UL TX power** in the message RADIO BEARER RECONFIGURATION - In **cds_RB_ReconfDCH_ToFACH_PCH_RLC_Status500ms_RST600**, a line to be added to set the value of **maxAllowedUL_TX_Power** to OMIT.
Source of change	New change

Before:



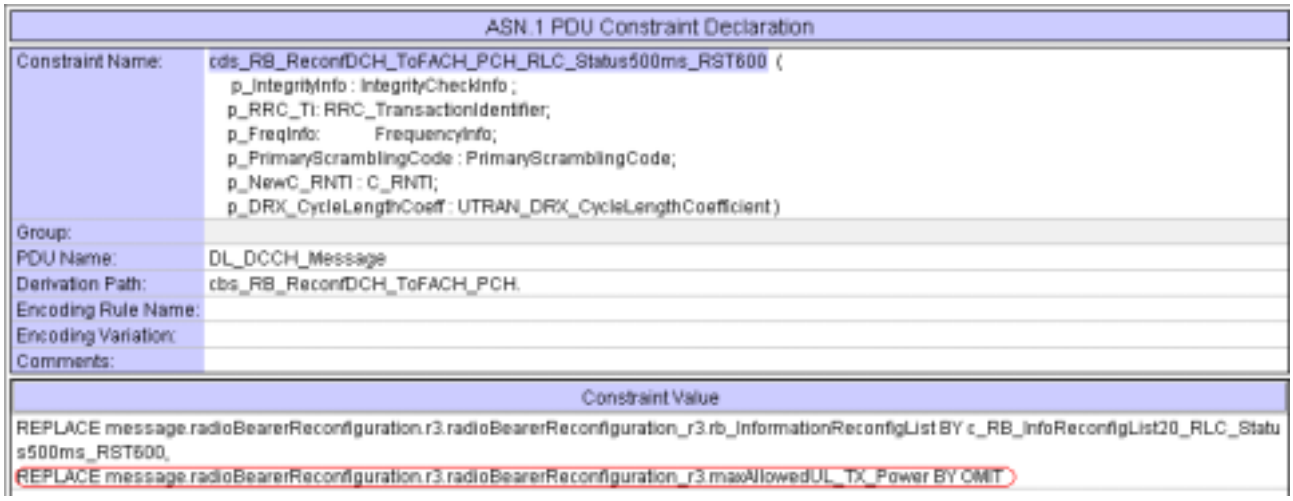
ASN.1 PDU Constraint Declaration

Constraint Name:	cds_RB_ReconfDCH_ToFACH_PCH_RLC_Status500ms_RST600 (p_IntegrityInfo : IntegrityCheckInfo ; p_RRC_TI: RRC_TransactionIdentifier; p_FreqInfo: FrequencyInfo; p_PrimaryScramblingCode : PrimaryScramblingCode; p_NewC_RNTI : C_RNTI; p_DRX_CycleLengthCoeff : UTRAN_DRX_CycleLengthCoefficient)
Group:	
PDU Name:	DL_DCCH_Message
Derivation Path:	cbs_RB_ReconfDCH_ToFACH_PCH.
Encoding Rule Name:	
Encoding Variation:	
Comments:	

Constraint Value

REPLACE message.radioBearerReconfiguration.r3.radioBearerReconfiguration_r3.rb_InformationReconfigList BY c_RB_InfoReconfigList20_RLC_Status500ms_RST600

After:



ASN.1 PDU Constraint Declaration

Constraint Name:	cds_RB_ReconfDCH_ToFACH_PCH_RLC_Status500ms_RST600 (p_IntegrityInfo : IntegrityCheckInfo ; p_RRC_TI: RRC_TransactionIdentifier; p_FreqInfo: FrequencyInfo; p_PrimaryScramblingCode : PrimaryScramblingCode; p_NewC_RNTI : C_RNTI; p_DRX_CycleLengthCoeff : UTRAN_DRX_CycleLengthCoefficient)
Group:	
PDU Name:	DL_DCCH_Message
Derivation Path:	cbs_RB_ReconfDCH_ToFACH_PCH.
Encoding Rule Name:	
Encoding Variation:	
Comments:	

Constraint Value

REPLACE message.radioBearerReconfiguration.r3.radioBearerReconfiguration_r3.rb_InformationReconfigList BY c_RB_InfoReconfigList20_RLC_Status500ms_RST600,
REPLACE message.radioBearerReconfiguration.r3.radioBearerReconfiguration_r3.maxAllowedUL_TX_Power BY OMIT

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1-031926

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 232** ⌘**rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of RRC test case 8.3.1.3 to RRC ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	17/12/2003
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 1 RRC test case 8.3.1.3 to the approved RRC ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 8.3.1.3 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A			
Other specs affected:	⌘	**Y** / **N**		⌘	
			X Other core specifications		TS 34.123-1, clause 8.3.1.3.4, see prose CR T1-03xxxx
		X	Test specifications		
			X O&M Specifications		
Other comments:	⌘				

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1-031926**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 8.3.1.3 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 8.3.1.3 which is part of the RRC test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_8_3_1_3
Test Group:	MM/LocationUpdating/Accepted
ATS Version:	iWD-TVB2003-03_D03wk48 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 8.3.1.3

4.1 Introduction

This section describes the changes required to make test case 8.3.1.3 run correctly with a 3G UE. All modifications are marked with label "**WA#RRC<number>**" for RRC related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was RRC_wk48.mp which is part of the iWD-TVB2003-03_D03wk48 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 8.3.1.3:

WA#RRC3142, WA#RRC3135

4.2 tcv_MIB_ValueTagChanged (WA#RRC4258)

Variable name	tcv_MIB_ValueTagChanged
Reason for change	Currently tcv_MIB_ValueTagChanged is initialised to FALSE, which will cause the MIB value tag to 2 to be incremented first time System information is broadcast. But as per 34.108 value tag of 1 is default.
Summary of change	tcv_MIB_ValueTagChanged to be initialised to TRUE in testcase variable declarations
Source of change	Anite CR T1-031777
Label	WA#RRC4258

tcv_MIB_ValueTagChanged	BOOLEAN	TRUE	initial value = FALSE, set to TRUE after MIBValueTag changed, set to FALSE after MIB delivered to SS. WA#RRC4258

4.3 cr_QoS_InteractiveOrBackgroundMO_CellFACH_lv (WA#RRC3141)

Constraint name	cr_QoS_InteractiveOrBackgroundMO_CellFACH_lv

Reason for change	Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should be set to 32kbps
Summary of change	Changed comment to 32kbps
Source of change	New Change
Label	WA#RRC3141

Structured Type Constraint Declaration

Constraint Name:	ct_QoS_InteractiveOrBackgroundMO_CellFACH_lv (p_DlyClass p_trafficClass) (3)
Group:	
Type Name:	QualityOfService_lv
Derivation Path:	
Encoding Variation:	
Comments:	The QoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE WA#RRC3141

Element Name	Element Value	Type Encoding	Comments
length	'08'O		
spare	'00'B		
dlyClass	p_DlyClass		
reliabilityClass	'011'B		Unacknowledged GTP, LLC and Acknowledged RLC; Protected Data
peakThroughput	'0011'B		32 kbps
spare1	'0'B		
precedenceClass	'000'B		Subscribed class
spare2	'000'B		
meanThroughput	'11111'B		best effort
trafficClass	p_trafficClass		Interactive
deliveryOrder	'01'B		With delivery order
deliveryErrorSDU	'010'B		Erroneour SDU are delivered
maxSDUSize	'20'O		320 octets
maxBitRateUplink	'20'O		32 kbps
maxBitRateDnlink	'20'O		32 kbps
residualBER	'0111'B		1 x 10E (-5)
sduErrRatio	'0100'B		1 X 10 E(-4)
transDly	?		Transfer delay will be neglected in case of interactive or background. Hence the value is set to spare
trafficHandpro	?		to be neglected by the UE as the traffic class is Background
bitRateUplink	?		Any value in uplink
bitRateDnlink	?		Any value in Uplink

4.4 c_TrLogMappingPCH_FACH_CellDCH (WA#RRC4097)

Constraint name	c_TrLogMappingPCH_FACH_CellDCH
Reason for change	The BCCH_FACH must be configured for the second Cell.
Summary of change	Added the following in c_TrLogMappingPCH_FACH_CellDCH

```
trCH_LogCHMappingList {
{ logicalChannel_Mapping dl_LogicalChannelMapping : {
  macHeaderManipulation normalMacHeader,
  dl_TransportChannelType fach,
  logicalChannelIdentity tsc_BCCH6,
  logicalChannelType bCCH,
  rlc_SizeList configured : NULL,
  mac_LogicalChannelPriority 6
 },
 rB_Identity tsc_RB_BCCH_FACH
},
```

Source of change New Change

Label WA#RRC4097

ASN.1 Type Constraint Declaration

Constraint Name:	c_TrLogMappingPCH_FACH_CellDCH
Group:	
Type Name:	TrCH_LogCHMappingList1
Derivation Path:	
Encoding Variation:	
Comments:	For FDD mode only. map PCCH to PCH and CCCH and BCCH(for BCCH_FACH) To be used for the Cell DCH configuration WA#RRC4097

Constraint Value

```
{
 ulconnectedTrCHList OMIT,
 dlconnectedTrCHList {
  {
   trchid tsc_PCH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType pch,
      logicalChannelIdentity tsc_PCCH1,
      logicalChannelType pCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 1
     },
     rB_Identity tsc_RB_PCCH
    }
   }
  },
  {
   trchid tsc_FACH1,
   trCH_LogCHMappingList {
    {
     logicalChannel_Mapping dl_LogicalChannelMapping : {
      macHeaderManipulation normalMacHeader,
      dl_TransportChannelType fach,
      logicalChannelIdentity tsc_BCCH6,
      logicalChannelType bCCH,
      rlc_SizeList configured : NULL,
      mac_LogicalChannelPriority 6
     },
     rB_Identity tsc_RB_BCCH_FACH
    },
```

4.5 ts_SS_CreateCellFACH (WA#RRC4096)

Test step name ts_SS_CreateCellFACH

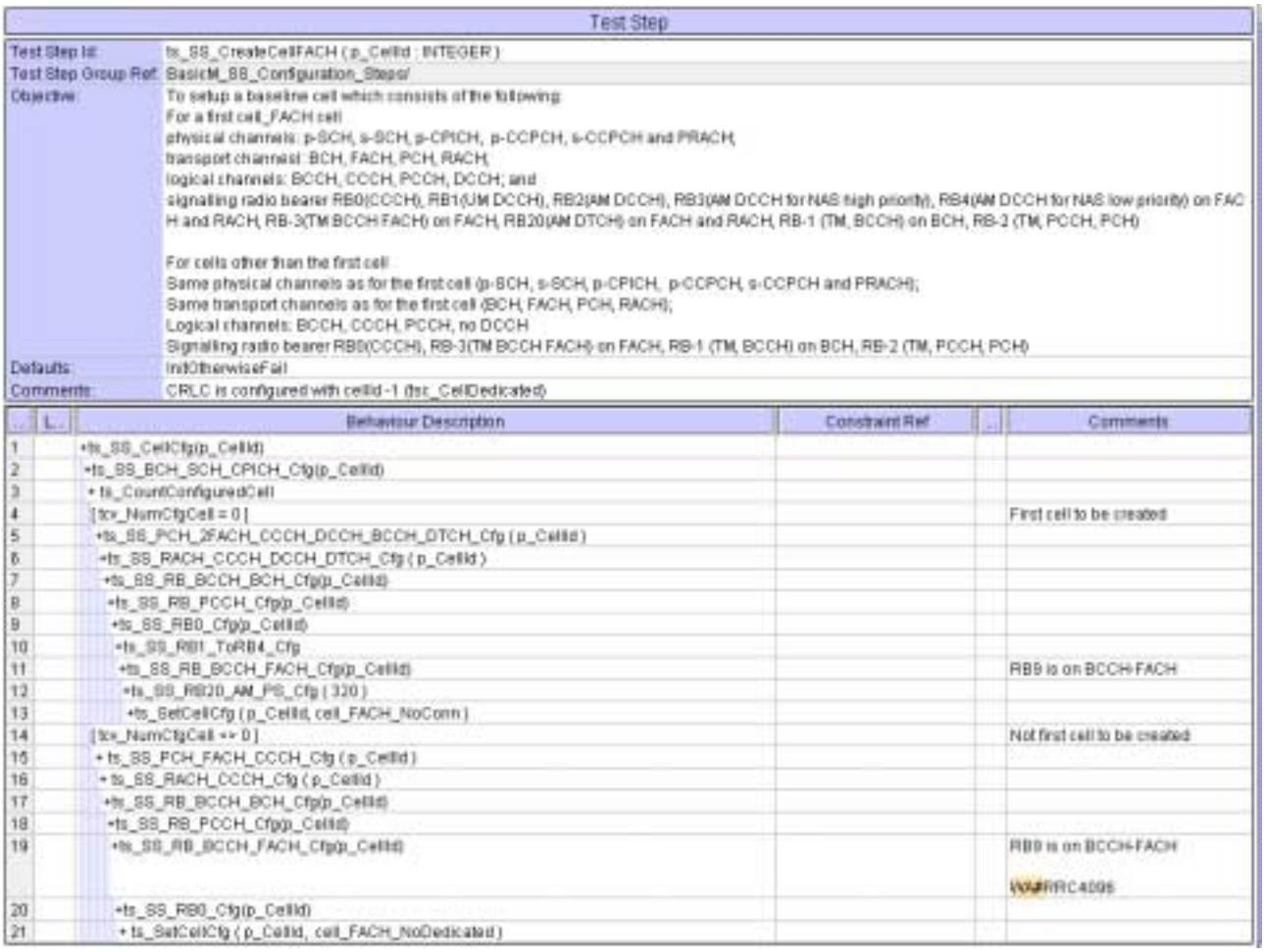
Reason for change The BCCH_FACH must be configured for the second Cell.

Summary of change Added the following test step in ts_SS_CreateCellFACH Line 20

+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)

Source of change New Change

Label WA#RRC4096



Test Step

Test Step Id:	ts_SS_CreateCellFACH (p_CellId : INTEGER)
Test Step Group Ref:	BasicM_SS_Configuration_Steps/
Objective:	To setup a baseline cell which consists of the following: For a first cell_FACH cell: physical channels: p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH; transport channels: BCH, FACH, PCH, RACH; logical channels: BCCH, CCCH, PCCH, DCCH; and signalling radio bearer RB0(CCCH), RB1(UM DCCH), RB2(AM DCCH), RB3(AM DCCH for NAS high priority), RB4(AM DCCH for NAS low priority) on FAC H and RACH, RB-3(TM BCCH FACH) on FACH, RB20(AM DTCH) on FACH and RACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH) For cells other than the first cell: Same physical channels as for the first cell (p-SCH, s-SCH, p-CPICH, p-CCPCH, s-CCPCH and PRACH); Same transport channels as for the first cell (BCH, FACH, PCH, RACH); Logical channels: BCCH, CCCH, PCCH, no DCCH Signalling radio bearer RB0(CCCH), RB-3(TM BCCH FACH) on FACH, RB-1 (TM, BCCH) on BCH, RB-2 (TM, PCCH, PCH)
Defaults:	InitOtherwiseFail
Comments:	CRLC is configured with cellId -1 (tsc_CellDedicated)

	L	Behaviour Description	Constraint Ref		Comments
1		+ts_SS_CellCfg(p_CellId)			
2		+ts_SS_BCH_SCH_CPICH_Cfg(p_CellId)			
3		+ ts_CountConfiguredCell			
4		[tcv_NumCfgCell = 0]			First cell to be created
5		+ts_SS_PCH_2FACH_CCCH_DCCH_BCCH_DTCH_Cfg (p_CellId)			
6		+ts_SS_RACH_CCCH_DCCH_DTCH_Cfg (p_CellId)			
7		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
8		+ts_SS_RB_PCCH_Cfg(p_CellId)			
9		+ts_SS_RB0_Cfg(p_CellId)			
10		+ts_SS_RB1_ToRB4_Cfg			
11		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH
12		+ts_SS_RB20_AM_PS_Cfg (320)			
13		+ts_SetCellCfg (p_CellId, cell_FACH_NoConn)			
14		[tcv_NumCfgCell <> 0]			Not first cell to be created
15		+ ts_SS_PCH_FACH_CCCH_Cfg (p_CellId)			
16		+ ts_SS_RACH_CCCH_Cfg (p_CellId)			
17		+ts_SS_RB_BCCH_BCH_Cfg(p_CellId)			
18		+ts_SS_RB_PCCH_Cfg(p_CellId)			
19		+ts_SS_RB_BCCH_FACH_Cfg(p_CellId)			RB9 is on BCCH-FACH WA#RRC4095
20		+ts_SS_RB0_Cfg(p_CellId)			
21		+ ts_SetCellCfg (p_CellId, cell_FACH_NoDedicated)			

4.6 ts_AT_OrgPS_Call (WA#RRC3142)

Test step name	ts_AT_OrgPS_Call
Reason for change	There is a mismatch between the requested Minimum QoS through AT commands (local tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call) and accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH).
Summary of change	Added check for the cell configured state in Local Tree lt_PrepareAT_CmdCGEQMIN of test step ts_AT_OrgPS_Call. If the state matches with any of the FACH states set maxBitRateUplink and maxBitRateDnlink to 32 Kbps so that the requested Qos and accepted QoS will match.
Source of change	Anite CR T1-031838
Label	WA#RRC3142

tt_PrepareAT_CmdCGEQMIN				
20		[(tcv_TmpCellInfo.cellConfig = cell_FACH_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_NoDedicated) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_PS) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_BMC) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_BMC_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2_PRACH_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2_PRACH) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2_SCCPCH_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2_SCCPCH) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg1_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_4_FACH_Cnfg2_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_3_SCCPCH_3_FACH_CTCH_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAloneFCH_NoConn) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAloneFCH) OR (tcv_TmpCellInfo.cellConfig = cell_FACH_2SCCPCH_StandAloneFCH_PS)]			WA#RRC3142
21		[pc_Interactive AND [ps_RRC_PS_SamTested = ps_Interactive]]			
22		[tcv_AT_Cmd := ("AT+CGEQMIN=1,2,32,32,,1,320,""1E3"",""4E3"",1,,1<CR>")]			set up the Minimum QoS WA#RRC3142
23		[pc_Background AND (ps_RRC_PS_SamTested = ps_Background)]			
24		[tcv_AT_Cmd := ("AT+CGEQMIN=1,1,32,32,,1,320,""1E3"",""4E3"",1,,<CR>")]			WA#RRC3142
25	ERR	[TRUE]		!	Parameter error
26		[TRUE]			
27		[pc_Interactive AND [ps_RRC_PS_SamTested = ps_Interactive]]			
28		[tcv_AT_Cmd := ("AT+CGEQMIN=1,2,64,64,,1,320,""1E3"",""4E3"",1,,1<CR>")]			set up the Minimum QoS
29		[pc_Background AND (ps_RRC_PS_SamTested = ps_Background)]			
30		[tcv_AT_Cmd := ("AT+CGEQMIN=1,1,64,64,,1,320,""1E3"",""4E3"",1,,<CR>")]			
31	ERR	[TRUE]		!	Parameter error

4.7 cs_QoS_InteractiveOrBackgroundMT_CellFACH_lv (WA#RRC3161)

Constraint name	cs_QoS_InteractiveOrBackgroundMT_CellFACH_lv
Reason for change	Wrong Comment values used in maxBitRateUplink, maxBitRateDnlink. Should be set to 32kbps
Summary of change	Changed comment to 32kbps
Source of change	New Change
Label	WA#RRC3161

Structured Type Constraint Declaration	
Constraint Name:	cs_GoS_InteractiveOrBackgroundMT_CellFACH_lv (p_DlyClass, p_trafficClass : B3)
Group:	
Type Name:	QualityOfService_lv
Derivation Path:	
Encoding Variation:	
Comments:	The GoS for interactive RAB at 32kbps uplink as well as down link, sent to the UE. This is set same as the one received by the nw WA#RRC3161

Element Name	Element Value	Type Encoding	Comments
length	'0B'O		
spare	'00'B		
dlyClass	p_DlyClass		
reliabilityClass	'011'B		Unacknowledged GTP, LLC, and Acknowledged RLC: Proected Data
peakThroughput	'0011'B		32 kbps
spare1	'0'B		
precedenceClass	'011'B		Class 3
spare2	'000'B		
meanThroughput	'11111'B		best effort
trafficClass	p_trafficClass		
deliveryOrder	'01'B		
deliveryErrorSDU	'010'B		
maxSDUSize	'20'O		
maxBitRateUplink	'20'O		32 kbps
maxBitRateDnlink	'20'O		32 kbps
residualBER	'0111'B		1 x 10E (-5)
sduErrRatio	'0100'B		1 X 10 E(-4)
transDly	'111111'B		Transfer delay will be neglected in case of interactive or background. Henc e the value is set to spare
trafficHandpro	'11'B		This is set to 3, but has to be neglected by the UE as the traffic class is inte ractive.
bitRateUplink	'10'O		The gaurenteed bit rate is set equal to requested bit rate.
bitRateDnlink	'10'O		This will be neglected by UE as the class is interactive

4.8 tc_8_3_1_3 (WA#RRC3140)

Test step name	tc_8_3_1_3 : lt_TestBody and tc_8_3_1_3 : lt_Check_Periodic
Reason for change	According to 34.123-1, 8.3.1.3.4 the CellUpdateCnf in step 3 (tc8313, line 15) and step 20 (line 54) should not contain any RNTI. Name of used constraint is misleading because of omited RNTI values, constraint should be replaced.
Summary of change	Set parameter for new_U_RNTI to OMIT Exchanged constraint cbs_CellUpdateCnfNewURNTI_DCCH with cbs_108_CellUpdateCnfDCCH
Source of change	New change
Label	WA#RRC3140

15	UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cbs_108_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, OMIT, OMIT, cell_FACH, OMIT, OMIT, OMIT))		Step 3. No New-CRNTI WA#RRC3140 (remove of uRNTI & exchange constraint)
54	UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnf(tsc_CellDedicated, tsc_RB1, cbs_108_CellUp dateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, OMIT, OMIT, cell_FACH, OMIT, OMIT, OMIT))		Step 20. WA#RRC3140 (remove of uRNTI & exchange constraint)

4.9 tc_8_3_1_3 : lt_TestBody (WA#RRC3143)

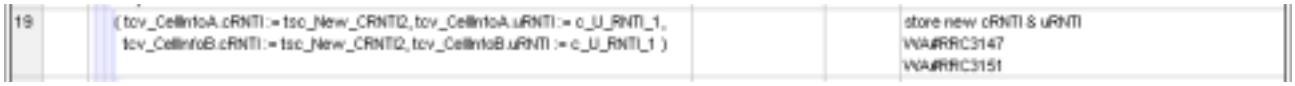
Test step name	tc_8_3_1_3 : lt_TestBody, line 14
Reason for change	Timer values tsc_T305_Max & tsc_T305_Min are incorrectly multiplied by 1000, although the unit is already set to ms
Summary of change	Remove multiply factor for t_upperbound and t_lowerbound
Source of change	New change
Label	WA#RRC3143

4.10 tc_8_3_1_3 : lt_TestBody (WA#RRC3145)

Test step name	tc_8_3_1_3 : lt_TestBody, line 16
Reason for change	Wrong timer started with incorrect unit
Summary of change	Exchange t_WaitS with t_WaitMS
Source of change	New change
Label	WA#RRC3145

4.11 tc_8_3_1_3 : lt_TestBody (WA#RRC3147)

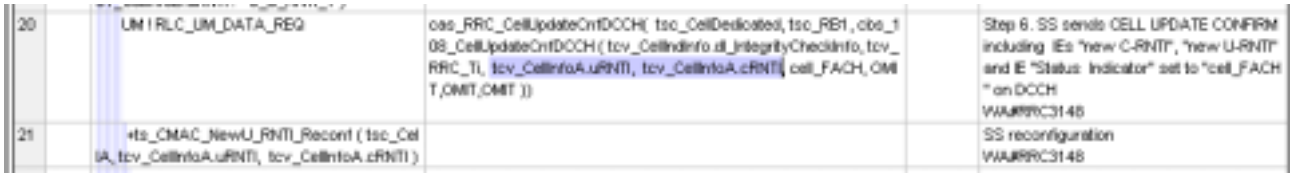
Test step name	tc_8_3_1_3 : lt_TestBody, line 19
Reason for change	Values for new uRNTI and new cRNTI used in the different messages, but are not stored. This might lead to inconsistencies in subsequent test steps.
Summary of change	Store new uRNTI and new cRNTI in tcv_CellInfoA & B to use consistent values for the following CellUpdateCnf and reconfiguration of the SS
Source of change	New change
Label	WA#RRC3147



4.12 tc_8_3_1_3 : lt_TestBody (WA#RRC3148)

Test step name	tc_8_3_1_3 : lt_TestBody, line 20 & 21
Reason for change	In tc8313, line 20 new cRNTI and uRNTI are configured for the UE, in line 20 & 21 the stored values of cRNTI & uRNTI should be used consistently (see WA#RRC3147)
Summary of change	Use stored values in tcv_CellInfoA & B to be consistent with the transmitted values.
Source of change	New change

Label WA#RRC3148



20		UM ! RLC_UM_DATA_REQ	cas_RRC_CellUpdateCnfDCCH(tsc_CellDedicated, tsc_RB1, cbs_109_CellUpdateCnfDCCH (tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_Ti, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI, cell_FACH, OMIT,OMIT,OMIT))	Step 6. SS sends CELL UPDATE CONFIRM including IEs "new C-RNTI", "new U-RNTI" and IE "Status Indicator" set to "cell_FACH " on DCCH WA#RRC3148
21		+ts_CMAC_NewU_RNTI_Reconf (tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)		SS reconfiguration WA#RRC3148

4.13 tc_8_3_1_3 (WA#RRC3149)

Test step name tc_8_3_1_3 : lt_TestBody line 30

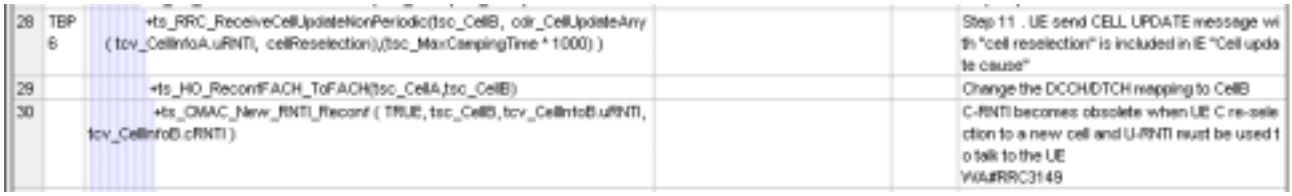
and tc_8_3_1_3 : lt_Check_Periodic, line 47

Reason for change After a CellUpdate with cause “cell reselection” the UE does not have a valid cRNTI. For the following CellUpdateCnf the MAC-header has to use a valid uRNTI

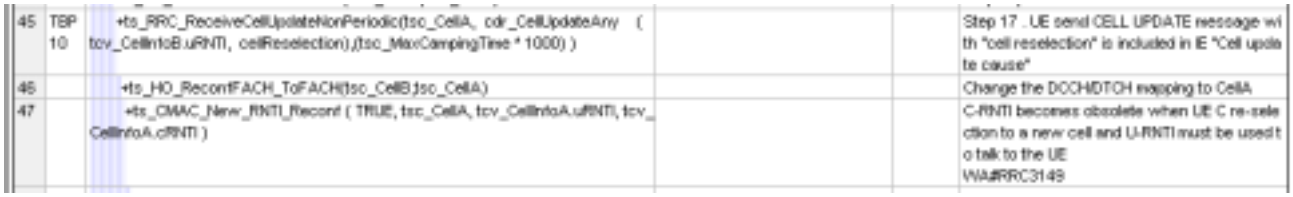
Summary of change Insert test step ts_CMAC_New_RNTI_Reconf to configure the MAC layer of the SS to use the valid uRNTI only for S-CCPCH

Source of change New change

Label WA#RRC3149



28	TBP 6	+ts_RRC_ReceiveCellUpdateNonPeriodic(tsc_CellB, cdr_CellUpdateAny (tcv_CellInfoA.uRNTI, cellReselection),(tsc_MaxCampingTime * 1000))		Step 11 . UE send CELL UPDATE message with "cell reselection" is included in IE "Cell update cause"
29		+ts_HO_ReconfFACH_ToFACH(tsc_CellA,tsc_CellB)		Change the DCCH/DTCH mapping to CellB
30		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellB, tcv_CellInfoB.uRNTI, tcv_CellInfoB.cRNTI)		C-RNTI becomes obsolete when UE C re-selection to a new cell and U-RNTI must be used to talk to the UE WA#RRC3149



45	TBP 10	+ts_RRC_ReceiveCellUpdateNonPeriodic(tsc_CellA, cdr_CellUpdateAny (tcv_CellInfoB.uRNTI, cellReselection),(tsc_MaxCampingTime * 1000))		Step 17 . UE send CELL UPDATE message with "cell reselection" is included in IE "Cell update cause"
46		+ts_HO_ReconfFACH_ToFACH(tsc_CellB,tsc_CellA)		Change the DCCH/DTCH mapping to CellA
47		+ts_CMAC_New_RNTI_Reconf (TRUE, tsc_CellA, tcv_CellInfoA.uRNTI, tcv_CellInfoA.cRNTI)		C-RNTI becomes obsolete when UE C re-selection to a new cell and U-RNTI must be used to talk to the UE WA#RRC3149

4.14 tc_8_3_1_3 : lt_TestBody (WA#RRC3151)

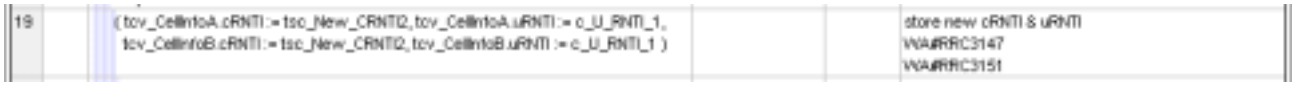
Test step name tc_8_3_1_3 : lt_TestBody, line 19

Reason for change according to 34123-1, chap 3.1.3.4 for CellUpdateCnf in step 6,12 and 18 the new-cRNTI should be set to '1010 1010 1010 1010' B ('AAAA'h) and SRNC should be set to '001'h and S-RNTI should be set to an arbitrary different from '0000 0000 0000 0000 0001'B

Summary of change change in tc8313, line 19 tsc_CRNTI_Id2 ('000F'h) to tsc_New_CRNTI2 ('AAAA'h) and c_U_RNTI_2 ('0020000F'h) to c_U_RNTI_1 ('00155555'h)

Source of change New change

Label WA#RRC3151



19		(tcv_CellInfoA.cRNTI := tsc_New_CRNTI2, tcv_CellInfoA.uRNTI := c_U_RNTI_1, tcv_CellInfoB.cRNTI := tsc_New_CRNTI2, tcv_CellInfoB.uRNTI := c_U_RNTI_1)		store new cRNTI & uRNTI WA#RRC3147 WA#RRC3151

4.15 tc_8_3_1_3 : lt_TestBody (WA#RRC3157)

Test step name	tc_8_3_1_3 : lt_TestBody, line 18
Reason for change	in tc8313, line 18 (step 5) after 30 min (1800000 ms) the timer T_305 should expire and the UE should send a CellUpdate. The tolerance for T305 is set to 10%. After 27min. t_upperbound is set to 6min (=>33min) and t_lowerbound is set to 5min (=>32min) . The min-value for T305 (tsc_T305_Min + t_lowerbound) should be set to a value lower than 30 min.
Summary of change	set t_lowerbound to 1.5min (90000ms) = 5% tolerance. The lowerbound for T305 is then 28,5 min
Source of change	New change
Label	WA#RRC3157

18	TBP 3	+ts_RRC_ReceiveCellUpdatePeriodic(tsc_CellA, cdr_CellUpdateAny (tc v_CellInfoA.uRNTI, periodicalCellUpdate), (tsc_T305_Max -tsc_T305_Min), 90000)		Step 5. The UE sends CELL UPDATE message with "Cell Update Cause" set to "Periodic Cell Update", WA#RRC3157

5 Branches executed in test case 8.3.1.3

The test case implementation executed the PS branch 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 on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 8_3_1_3_Logs\Nokia\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.
- **PICS/PIXIT file 8_3_1_3-pics-pixit_Nokia.html**
  HTML file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1-031927**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

3GPP TSG-T1 Meeting #22
Hyderabad, India, 02 – 06 February 2004

Tdoc ⌘T1S040014

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **170** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.9 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	06/02/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.9 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.9 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

3GPP TSG- T1 Meeting #22 **T1S040014**
Hyderabad, India, 02 – 06 February 2004

Title: **Changes to test case 9.4.9 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.9 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_9
Test Group:	MM/LocationUpdating/Accept_Interaction_between_ _Equivalent_PLMNs_and_Forbidden_PLMNs
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.9

4.1 Introduction

This section describes the changes required to make test case 9.4.9 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk04.mp which is part of the iWD-TVB2003-03_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 and 2 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.9:

WA#NAS4218

4.2 ts_RegistrationReject (WA#NAS4260)

Test step name	ts_RegistrationReject
Reason for change	For CS only test cases like MM, PS registration is irrelevant and therefore needs to be separated
Summary of change	Added condition to check if pc_PS is active or not
Source of change	New change
Label	WA#NAS4260

42	[pc_PS=TRUE]		WA#NAS4260
43	+tt_HandleAttachRequest		
44	+ts_RRC_ConnRel(p_CellId, cell_Dch)		Release RRC connection
45	(tcv_PS_KeySeq := tsc_KeySeqDeleted, tcv_CS_KeySeq := tsc_KeySeqDeleted)		Invalidate ciphering key sequence number
46	+ts_MMI_UE_SwitchOff		
47	[pc_PS=FALSE]		WA#NAS4260
48	+ts_RRC_ConnRel(p_CellId, cell_Dch)		Release RRC connection WA#NAS4260
49	+ts_MMI_UE_SwitchOff		WA#NAS4260

tt_HandleAttachRequest

4.3 tc_9_4_9

4.3.1 WA#NAS4301

Test step name	tc_9_4_9
Reason for change	Superfluous ts_MM_PwrOrUSIM_Off as UE is switched OFF in ts_RegistrationReject
Summary of change	Removed "ts_MM_PwrOrUSIM_Off" in preamble
Source of change	New change
Label	WA#NAS4301

4.3.2 WA#NAS4302

Test step name	tc_9_4_9
Reason for change	Guard timer too short
Summary of change	Changed from a factor of 8 to 10
Source of change	New change
Label	WA#NAS4302

Nr	La...	Behaviour Description	Constraint Ref	Verdict	Comments
1		START t_Guard(10*60)			Test takes 7 minutes at l east WA#NAS4302
2		+ts_MM_InitFreqs_9_4_7And9			Initialize frequencies as s pecifically required

5 Branches executed in test case 9.4.9

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_9_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_9-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1S040015**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

Tdoc ⌘T1S040025

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **168** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.2.2.1 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	13/02/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.2.2.1 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.2.2.1 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

Clauses affected:	⌘	N/A

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

Other comments:	⌘	

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

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

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

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

3GPP TSG-T1 E-Mail 2004 **T1S040025**
01 Jan - 31 Dec 2004

Title: **Changes to test case 9.4.2.2.1 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.2.2.1 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_2_2_1
Test Group:	MM/LocationUpdating/Rejected
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.2.2.1

4.1 Introduction

This section describes the changes required to make test case 9.4.2.2.1 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

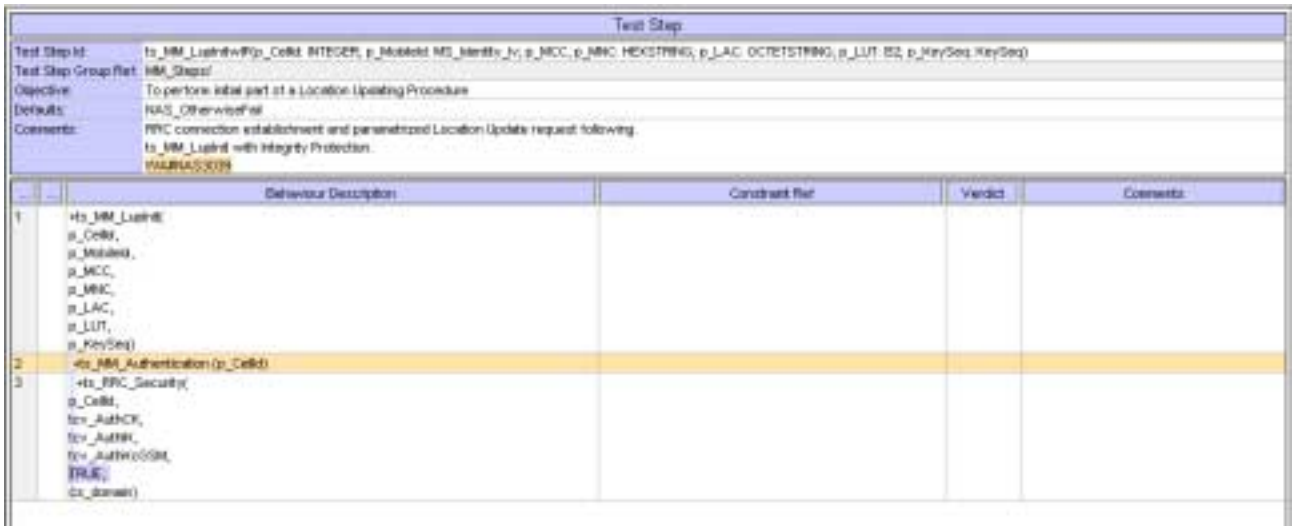
The ATS version used as basis was NAS_wk04.mp which is part of the iWD-TVB2003-03_D04wk04 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.2.2.1:

WA#NAS4286, WA#NAS4376, WA#NAS4396, WA#NAS4397, WA#NAS4398

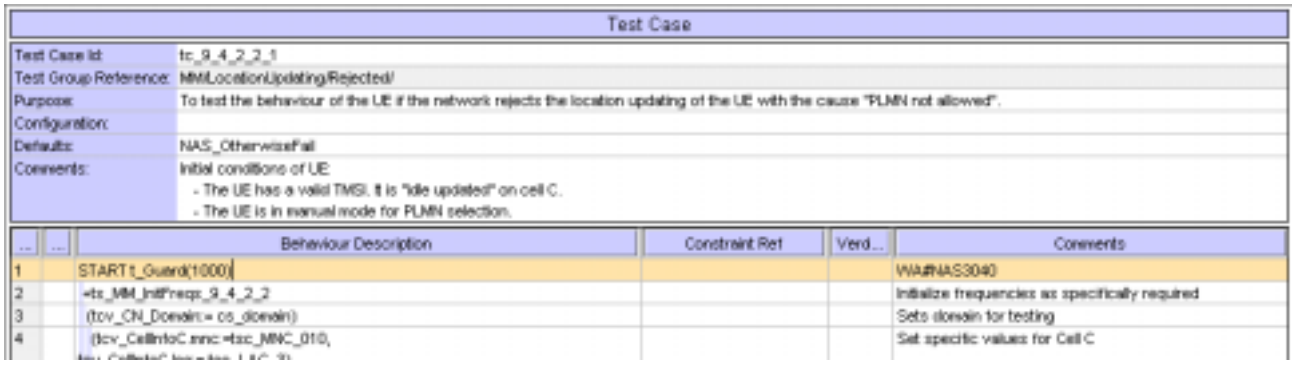
4.2 ts_MM_LupInitwIP (WA#NAS3039)

Test step name	ts_MM_LupInitwIP
Reason for change	after switch on the UE, the SecurityMode will not be accepted due to invalid authentication keys in test step ts_MM_LupInitwIP
Summary of change	insert in ts_MM_LupInitwIP line 2 the test step ts_MM_Authentication and set the boolean flag for new keys in line 3 from FALSE to TRUE
Source of change	New change
Label	WA#NAS3039



4.3 tc_9_4_2_2_1, line 1 (WA#NAS3040)

Test step name	tc_9_4_2_2_1, line 1
Reason for change	t_Guard – Timer is too low,
Summary of change	increase t_Guard timer from 720 to 1000
Source of change	New change
Label	WA#NAS3040



4.4 ts_MM_InitFreqs_9_4_2_2 (WA#NAS3043)

Test step name	ts_MM_InitFreqs_9_4_2_2, line 4 / 8 / 12
Reason for change	in test step ts_MM_InitFreqs_9_4_2_2, the cell A and B have the same frequency, but Cell C will be configured to different frequency, althought the Sib11 contains all three cells as IntraFreq-Cells
Summary of change	change in test step ts_MM_InitFreqs_9_4_2_2 in line 4 from c_FreqInfoCh3 to c_FreqInfoCh2, in line 8 from c_FreqInfoCh3_Band2 to c_FreqInfoCh2_Band2 and in line 12 from c_FreqInfoCh3_Band3 to c_FreqInfoCh2_Band3
Source of change	New change
Label	WA#NAS3043

Test Step	
Test Step Id:	ts_MM_IntlFreqs_9_4_2_2
Test Step Group Ref:	MM_Steps/
Objective:	Initialization of frequencies used by the different cells (belonging to PLMNs as specified in 34.123-1): - Frequency 1 reserved for HPLMN - Cell A Frequency 2 - Cell B Frequency 2 - Cell C Frequency 3
Defaults:	RRC_Def1
Comments:	WAdNAS3043

..	..	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_OperationBandSupp = 1]			
2		(tcv_CellInfoA := c_CellInfoDef1 (tsc_CellA, px_PrtScrmCode, tsc_URA_IdCellA, px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh2, px_UL_ScramblingCode))			
3		(tcv_CellInfoB := c_CellInfoDef (tsc_CellB, ((px_PrtScrmCode + 50) MOD 512) , tsc_URA_IdCellB, px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2, ((px_UL_ScramblingCode +1000) MOD 16777216)))			
4		(tcv_CellInfoC := c_CellInfoDef (tsc_CellC, ((px_PrtScrmCode + 100) MOD 512), tsc_URA_IdCellC, px_TCellC, tsc_SFN_OffsetC, c_FreqInfoCh2, ((px_UL_ScramblingCode +2000) MOD 16777216)))			
5		[px_OperationBandSupp = 2]			
6		(tcv_CellInfoA := c_CellInfoDef1 (tsc_CellA, px_PrtScrmCode, tsc_URA_IdCellA, px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh2_Band2, px_UL_ScramblingCode))			
7		(tcv_CellInfoB := c_CellInfoDef (tsc_CellB, ((px_PrtScrmCode + 50) MOD 512) , tsc_URA_IdCellB, px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2_Band2, ((px_UL_ScramblingCode +1000) MOD 167772 16)))			
8		(tcv_CellInfoC := c_CellInfoDef1 (tsc_CellC, ((px_PrtScrmCode + 100) MOD 512), tsc_URA_IdCellC, px_TCellC, tsc_SFN_OffsetC, c_FreqInfoCh2_Band2, ((px_UL_ScramblingCode +2000) MOD 167772 16)))			
9		[px_OperationBandSupp = 3]			
10		(tcv_CellInfoA := c_CellInfoDef1 (tsc_CellA, px_PrtScrmCode, tsc_URA_IdCellA, px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh2_Band3, px_UL_ScramblingCode))			
11		(tcv_CellInfoB := c_CellInfoDef (tsc_CellB, ((px_PrtScrmCode + 50) MOD 512) , tsc_URA_IdCellB,px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2_Band3, ((px_UL_ScramblingCode +1000) MOD 167772 16)))			
12		(tcv_CellInfoC := c_CellInfoDef1 (tsc_CellC, ((px_PrtScrmCode + 100) MOD 512), tsc_URA_IdCellC, px_TCellC, tsc_SFN_OffsetC, c_FreqInfoCh2_Band3, ((px_UL_ScramblingCode +2000) MOD 167772 16)))			
13		[TRUE]		I	

5 Branches executed in test case 9.4.2.2.1

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_2_2_1_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_2_2_1-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1S040026**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

Tdoc ⌘T1S040027

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **169** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.2.2.2 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	13/02/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.2.2.2 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.2.2.2 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG-T1 E-Mail 2004 **T1S040027**
01 Jan - 31 Dec 2004

Title: **Changes to test case 9.4.2.2.2 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.2.2.2 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_2_2_2
Test Group:	MM/LocationUpdating/Rejected
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.2.2.2

4.1 Introduction

This section describes the changes required to make test case 9.4.2.2.2 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

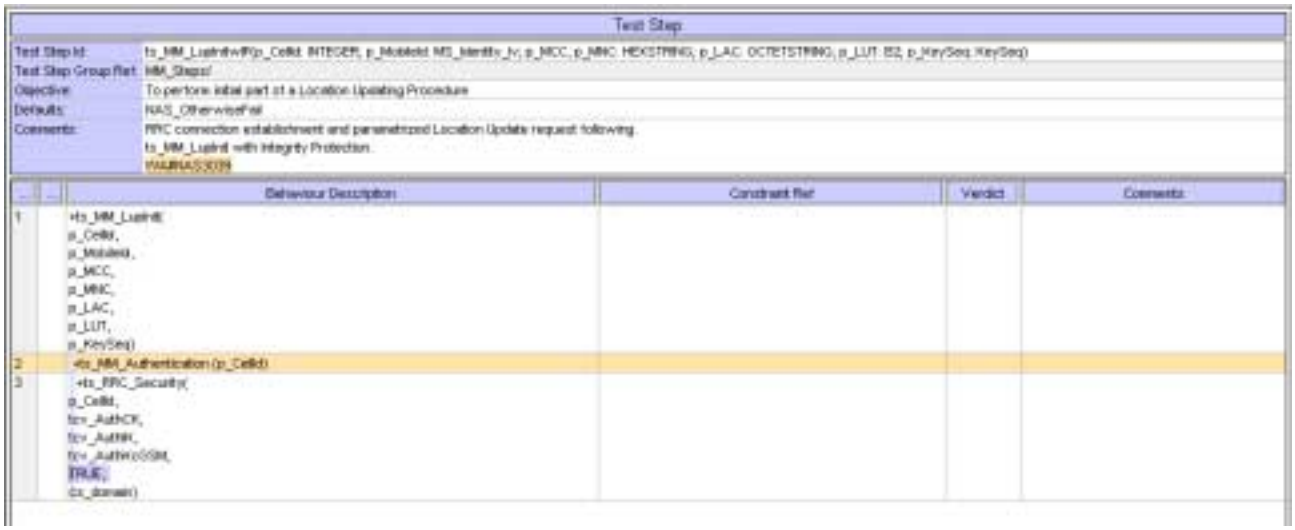
The ATS version used as basis was NAS_wk04.mp which is part of the iWD-TVB2003-03_D04wk04 release.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.2.2.2:

WA#NAS4286, WA#NAS4396, WA#NAS4397, WA#NAS4398

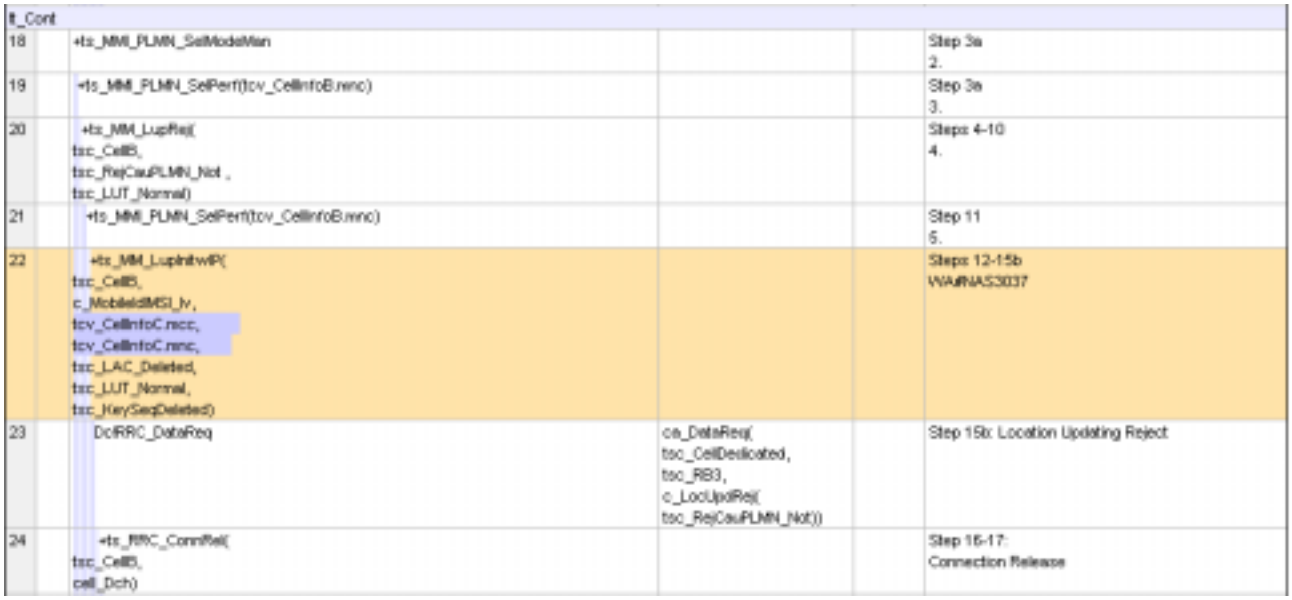
4.2 ts_MM_LupInitwIP (WA#NAS3039)

Test step name	ts_MM_LupInitwIP
Reason for change	after switch on the UE, the SecurityMode will not be accepted due to invalid authentication keys in test step ts_MM_LupInitwIP
Summary of change	insert in ts_MM_LupInitwIP line 2 the test step ts_MM_Authentication and set the boolean flag for new keys in line 3 from FALSE to TRUE
Source of change	New change
Label	WA#NAS3039



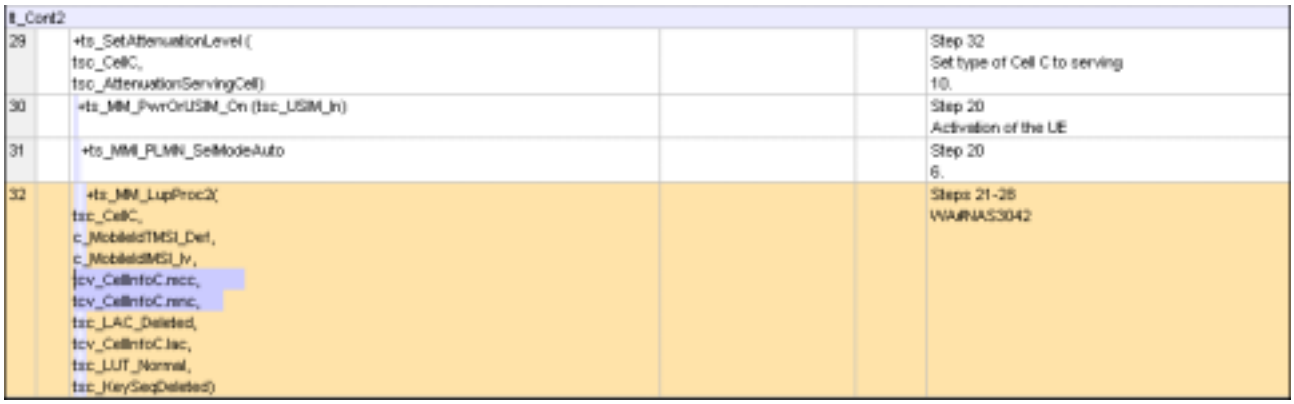
4.3 tc_9_4_2_2_2: lt_cont, line 5 (WA#NAS3037)

Test step name	tc_9_4_2_2_2: lt_cont, line 5
Reason for change	UE was registered on Cell C and later rejected on Cell B. The expected PLMN in the location update should be the PLMN from Cell C
Summary of change	change in tc_9_4_2_2_2:lt_cont, line 5 the values for MCC / MNC from tcv_CellInfoB.mcc & tcv_CellInfoB.mnc to tcv_CellInfoC.mcc & tcv_CellInfoC.mnc
Source of change	New change
Label	WA#NAS3037



4.4 tc_9_4_2_2_2: lt_cont2, line 4 (WA#NAS3042)

Test step name	tc_9_4_2_2_2: lt_cont2, line 4
Reason for change	UE was only registered on Cell C and later rejected on Cell B. The expected PLMN in the location update should be the PLMN from Cell C
Summary of change	change in tc_9_4_2_2_2:lt_cont2, line 4 the values for MCC / MNC from tcv_CellInfoB.mcc & tcv_CellInfoB.mnc to tcv_CellInfoC.mcc & tcv_CellInfoC.mnc
Source of change	New change
Label	WA#NAS3042



4.5 ts_MM_InitFreqs_9_4_2_2 (WA#NAS3043)

Test step name	ts_MM_InitFreqs_9_4_2_2, line 4 / 8 / 12
Reason for change	in test step ts_MM_InitFreqs_9_4_2_2, the cell A and B have the same frequency, but Cell C will be configured to different frequency, althought the Sib11 contains all three cells as IntraFreq-Cells
Summary of change	change in test step ts_MM_InitFreqs_9_4_2_2 in line 4 from c_FreqInfoCh3 to c_FreqInfoCh2, in line 8 from c_FreqInfoCh3_Band2 to c_FreqInfoCh2_Band2 and in line 12 from c_FreqInfoCh3_Band3 to c_FreqInfoCh2_Band3
Source of change	New change
Label	WA#NAS3043

Test Step	
Test Step Id:	ts_MM_IntlFreqs_9_4_2_2
Test Step Group Ref:	MM_Steps/
Objective:	Initialization of frequencies used by the different cells (belonging to PLMNs as specified in 34.123-1): - Frequency 1 reserved for HPLMN - Cell A Frequency 2 - Cell B Frequency 2 - Cell C Frequency 3
Defaults:	RRC_Def1
Comments:	WAdNAS3043

..	..	Behaviour Description	Constraint Ref	Verdict	Comments
1		[px_OperationBandSupp = 1]			
2		(tcv_CellInfoA := c_CellInfoDef1 (tsc_CellA, px_PrtScrmCode, tsc_URA_IdCellA, px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh2, px_UL_ScramblingCode))			
3		(tcv_CellInfoB := c_CellInfoDef (tsc_CellB, ((px_PrtScrmCode + 50) MOD 512) , tsc_URA_IdCellB, px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2, ((px_UL_ScramblingCode +1000) MOD 16777216)))			
4		(tcv_CellInfoC := c_CellInfoDef (tsc_CellC, ((px_PrtScrmCode + 100) MOD 512), tsc_URA_IdCellC, px_TCellC, tsc_SFN_OffsetC, c_FreqInfoCh2, ((px_UL_ScramblingCode +2000) MOD 16777216)))			
5		[px_OperationBandSupp = 2]			
6		(tcv_CellInfoA := c_CellInfoDef1 (tsc_CellA, px_PrtScrmCode, tsc_URA_IdCellA, px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh2_Band2, px_UL_ScramblingCode))			
7		(tcv_CellInfoB := c_CellInfoDef (tsc_CellB, ((px_PrtScrmCode + 50) MOD 512) , tsc_URA_IdCellB, px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2_Band2, ((px_UL_ScramblingCode +1000) MOD 167772 16)))			
8		(tcv_CellInfoC := c_CellInfoDef1 (tsc_CellC, ((px_PrtScrmCode + 100) MOD 512), tsc_URA_IdCellC, px_TCellC, tsc_SFN_OffsetC, c_FreqInfoCh2_Band2, ((px_UL_ScramblingCode +2000) MOD 167772 16)))			
9		[px_OperationBandSupp = 3]			
10		(tcv_CellInfoA := c_CellInfoDef1 (tsc_CellA, px_PrtScrmCode, tsc_URA_IdCellA, px_TCellA, tsc_SFN_OffsetA, c_FreqInfoCh2_Band3, px_UL_ScramblingCode))			
11		(tcv_CellInfoB := c_CellInfoDef (tsc_CellB, ((px_PrtScrmCode + 50) MOD 512) , tsc_URA_IdCellB,px_TCellB, tsc_SFN_OffsetB, c_FreqInfoCh2_Band3, ((px_UL_ScramblingCode +1000) MOD 167772 16)))			
12		(tcv_CellInfoC := c_CellInfoDef1 (tsc_CellC, ((px_PrtScrmCode + 100) MOD 512), tsc_URA_IdCellC, px_TCellC, tsc_SFN_OffsetC, c_FreqInfoCh2_Band3, ((px_UL_ScramblingCode +2000) MOD 167772 16)))			
13		[TRUE]		I	

5 Branches executed in test case 9.4.2.2.2

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_2_2_2_Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_2_2_2-pics-pixit.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1S040028**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

Tdoc ⌘T1s040029

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 162** ⌘**rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 12.2.1.7 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	13/02/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 12.2.1.7 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 12.2.1.7 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

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

Tdoc ⌘T1s040029

Title: **Changes to test case 12.2.1.7 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 12.2.1.7 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_12_2_1_7
Test Group:	GMM/ Attach_procedures / PS_only_attach
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600, Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 12.2.1.7

4.1 Introduction

This section describes the changes required to make test case 12.2.1.7 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk04.mp which is part of the iWD-TVB2003-03_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 12.2.1.7:

WA#NAS4218, WA#NAS4396, WA#NAS4397, WA#NAS4401, WA#NAS4402, WA#NAS4404 & WA#NAS4398

4.2 tc_12_2_1_7

4.2.1 WA#NAS4277

Test step name	tc_12_2_1_7 : lt_TestBody
Reason for change	Incorrect test step used for UE's supporting AutoAttach OFF on Switch ON, as Attach Request needs to be triggered via AT cmds.
Summary of change	Replaced "ts_MMI_UE_SwitchOn" to "ts_MMI_UE_SwitchOnTriggerGMM_Attach"
Source of change	New change
Label	WA#NAS4277

lt_TestBody				
17	(tcv_TestBody := TRUE)		(P)	
18	+ts_MMI_UE_SwitchOnTriggerGMM_Attach			Step 3. Switch on UE and attempt to initiate the attach procedure. WA#NAS4277
19	+ts_RRC_ConnEst(tsc_CellA, est_Reg, registration)			
20	Dc ? RRC_DataInd (tcv_Start := RRC_DataInd.start)	car_PS_InitDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_GMM_AttachTypePS_Only, c_MobileIdPTMSI_lv_Def, c_RAI_Def_v, tcv_PS_KeySeq))		Step 4. ATTACH REQUEST - Attach type is 'PS attach' - MobileId P-TMSI-1 - RAI-1

4.2.2 WA#NAS4333

Test step name tc_12_2_1_7 : lt_TestBody

Reason for change As the new RAC is not re-transmitted in SIB 1, the UE will send a Routing area update at the end of the test case. To prevent UE from reading the old set of SIB's with the old RAC, SIB 1 has to be re-transmitted with the new RAC code.

Summary of change Added test step "ts_SysInfoModifyMM" with new RAC 'tsc_RAC_2'

Source of change New change

Label WA#NAS4333

24	Dc ? RRC_DataInd	car_PS_UplinkDirectTransfer(tsc_CellDedicated, tsc_RB3, cr_AttachReq (c_GMM_AttachTypePS_Only, c_MobileIdPTMSI_lv_Def, c_RAI_v(tsc_MCC_Def, tsc_MNC_Def, tsc_LAC_Def, tsc_RAC_Def), tcv_PS_KeySeq))		Step 8. ATTACH REQUEST is repeated - Attach type is 'PS attach' - MobileId P-TMSI-1 - RAI-1
25	+ts_SysInfoModifyMM(tsc_CellA, tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tcv_CellInfoA.lac, tcv_CellInfoA.attFlag, tcv_CellInfoA.t3212, tsc_RAC_2, tcv_CellInfoA.nmo)			WA#NAS4333
26	+ ts_GMM_AuthenticateAndStartIntegrityProtection (tsc_CellA)			Steps 8a to 8c

4.2.3 WA#NAS4334

Test step name tc_12_2_1_7 : lt_TestBody

Reason for change In step 9 of the prose, no PTMSI Signature is asigned to the UE in Attach Accept message. Therfore UE will not send Detach request message with PTMSI Signatute.

Summary of change changed "ts_GMM_DetachOnSwitchOff" to "ts_GMM_DetachOnSwitchOff_NoSignature"

Source of change New change

Label WA#NAS4334

28	+ts_RRC_ConnRel(tsc_CellA, cell_Dch)			
29	+ts_GMM_DetachOnSwitchOff_NoSignature(tsc_CellA)			Steps 11 and 11a. Turn off and detach WA#NAS4334

5 Branches executed in test case 12.2.1.7

The test case implementation executed the PS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 12_2_1_7_Logs-Nokia\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 12_2_1_7-pics-pixit-Nokia.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

6.2 Ericsson 3G UE U100

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 12_2_1_7_Logs-Ericsson\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 12_2_1_7-pics-pixit- Ericsson.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040030**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

Tdoc ⌘T1s040033

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **163** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of RAB test case 14.2.27 to RAB ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	16/02/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 RAB test case 14.2.27 to the approved RAB ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 14.2.27 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

3GPP TSG-T1 E-Mail 2004 **T1s040033**
Jan - 31 Dec 2004

Title: **Changes to test case 14.2.27 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 14.2.27 which is part of the RAB test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_14_2_27
Test Group:	RAB/CombinationOnDPCH/Interactive_Background/
ATS Version:	iWD-TVB2003-03_D04wk04 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 7600 & Ericsson U100
Verification Status:	PASS

4 Corrections required for test case 14.2.27

4.1 Introduction

This section describes the changes required to make test case 14.2.27 run correctly with a 3G UE. All modifications are marked with label "**WA#RAB<number>**" for RAB related changes in the TTCN comments column of the enclosed ATS [1].

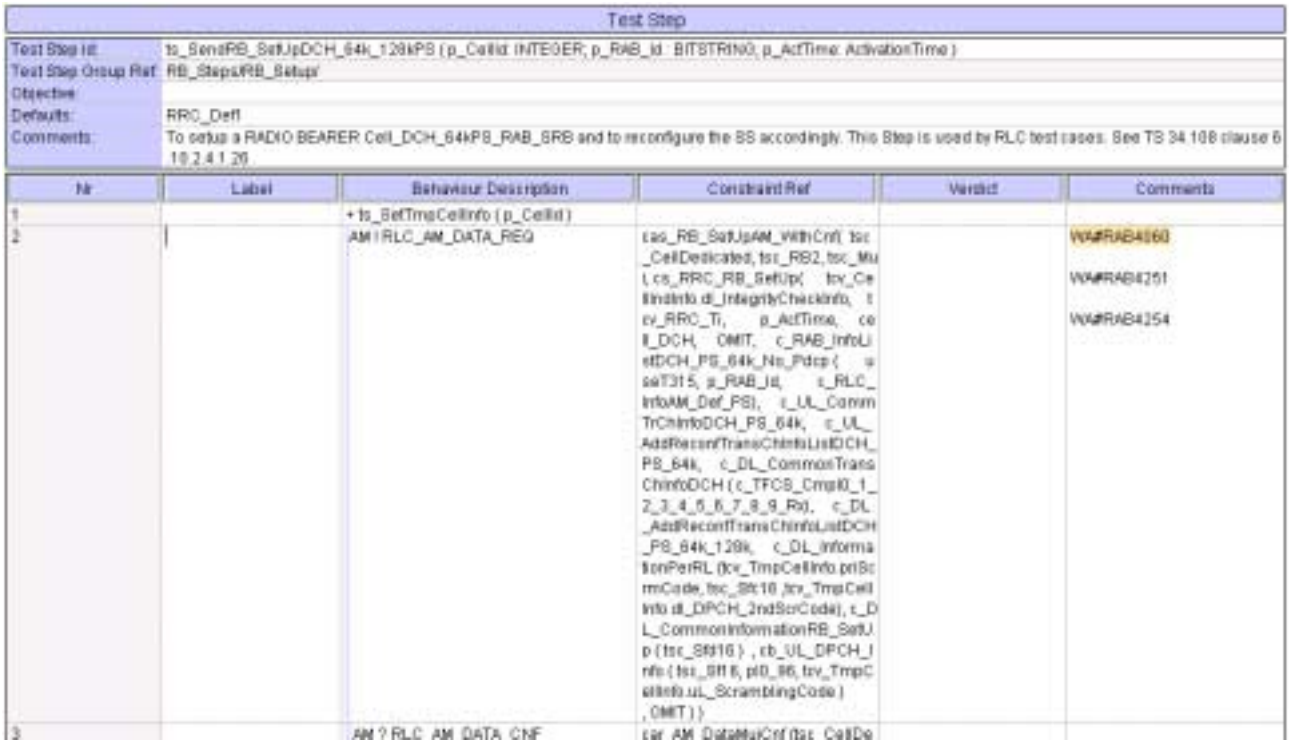
The ATS version used as basis was RAB_wk04.mp which is part of the iWD-TVB2003-03_D04wk04 release. This is the most recent ATS provided by MCC160 which contains GCF package 1, 2, 3 and 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 14.2.27:

WA#RAB4021, WA#RAB4040, WA#RAB4043, WA#RAB4054, WA#RAB4055, WA#RAB4057, WA#RAB4058, WA#RAB4059, WA#RAB4068, WA#RAB4091, WA#RAB4092, WA#RAB4093, WA#RAB4095, WA#RAB4098, WA#RAB4100, WA#RAB4101, WA#RAB4102, WA#RAB4103, WA#RAB4104, WA#RAB4178, WA#RAB4179, WA#RAB4190, WA#RAB4206, WA#RAB4208, WA#RAB4209, WA#RAB4210, WA#RAB4211, WA#RAB4212, WA#RAB4255, WA#RAB4256, WA#RAB4257 and WA#RAB4258.

4.2 ts_SendRB_SetUpDCH_64k_128kPS (WA#RAB4060)

Test step name	ts_SendRB_SetUpDCH_64k_128kPS
Reason for change	Wrong parameter used when setting up RAB20: according to the default configuration for the "DL Transport channel information common for all transport channel" IE is "Explicit".
Summary of change	Used "c_DL_CommonTransChInfoDCH (c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Rx)" instead of "c_DL_CommonTransChInfoSameAsUL"
Source of change	New Change
Label	WA#RAB4060



Test Step

Test Step Id:	ts_SendRB_SetUpDCH_64k_128kPS (p_CellId: INTEGER; p_RAB_Id: BITSTRING; p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def!
Comments:	To setup a RADIO BEARER Cell_DCH_64kPS_RAB_SRB and to reconfigure the SS accordingly. This Step is used by RLC test cases. See TS 34.108 clause 6.10.2.4.1.26

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mu t, cs_RRC_RB_SetUp(tcv_CellInfoInfo.dl_IntegrityCheckInfo, t cv_RRC_Ti, p_ActTime, co ll_DCH, OMIT, c_RAB_InfoLi stDCH_PS_64k_Nc_Pdcp (u saT315, p_RAB_Id, c_RLC_ InfoAM_Def_PS), c_UL_Comm TrChInfoDCH_PS_64k, c_UL_ AddReconfTransChInfoListDCH_ PS_64k, c_DL_CommonTrans ChInfoDCH (c_TFCS_Cmpl0_1_ 2_3_4_5_6_7_8_9_Rd), c_DL _AddReconfTransChInfoListDCH _PS_64k_128k, c_DL_Informa tionPerRL (tcv_TmpCellInfo.priSc rmCode, tsc_Sf#16 ,tcv_TmpCell Info.dl_DPCH_2ndScrCode), c_D L_CommonInformationRB_SetU p (tsc_Sf#16) , cb_UL_DPCH_I nfo (tsc_Sf1 6, pl0_96, tcv_TmpC ellInfo.ul_ScramblingCode) , OMIT))		WA#RAB4160 WA#RAB4251 WA#RAB4254
3		AM ? RLC_AM_DATA_CNF	car_AM_DataMuiCnf (tsc_CellDe		

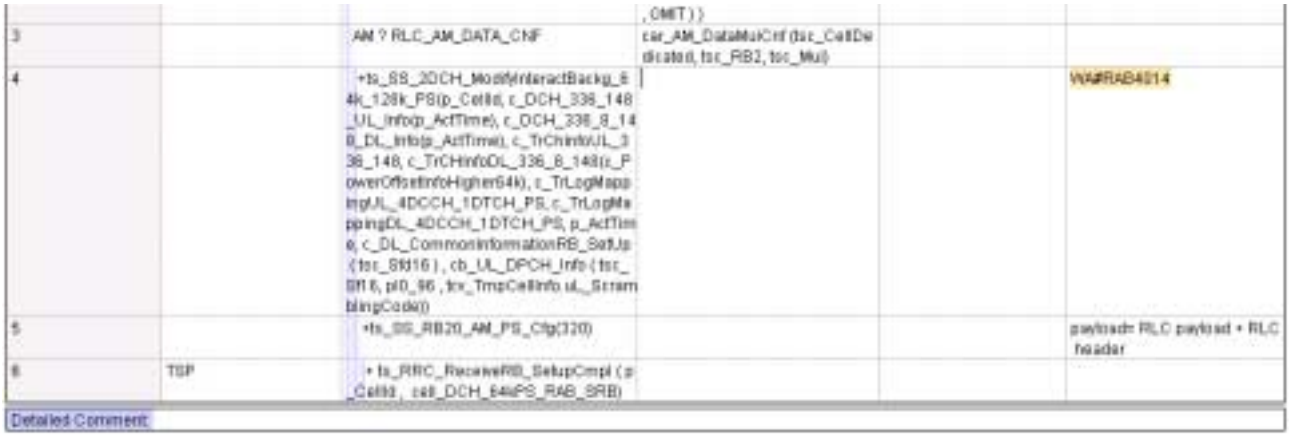
4.3 ts_SendRB_SetUpDCH_64k_128kPS (WA#RAB4014)

Test step name	ts_SendRB_SetUpDCH_64k_128kPS
Reason for change	Wrong transport channel mapping constraints for both UL and DL used. They should be used the PS ones.
Summary of change	Changed Tr Channel mapping to PS, i.e. used "c_TrLogMappingUL_4DCCH_1DTCH_PS" instead "c_TrLogMappingUL_4DCCH_1DTCH" and " c_TrLogMappingDL_4DCCH_1DTCH_PS" instead "c_TrLogMappingDL_4DCCH_1DTCH_PS"
Source of change	New Change
Label	WA#RAB4014

Test Step

Test Step Id:	ts_SendRB_SetUpDCH_64k_128kPS (p_CellId: INTEGER; p_RAB_Id: BITSTRING; p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def!
Comments:	To setup a RADIO BEARER Cell_DCH_64kPS_RAB_SRB and to reconfigure the SS accordingly. This Step is used by RLC test cases. See TS 34.108 clause 6.10.2.4.1.26

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	car_RB_SetUpAM_WithCnf(tsc		WA#RAB4160



			, OMIT))		
3		AM ? RLC_AM_DATA_CNF	cas_AM_DataMuxCnf (tsc_CellDedicated, tsc_RB2, tsc_Mul)		
4		+ts_SS_2DCH_ModifyInteractBackg_64k_128k_PS(p_CellId, c_DCH_336_148_UL_Info(p_ActTime), c_DCH_336_8_148_DL_Info(p_ActTime), c_TrChInfoUL_336_148, c_TrCHInfoDL_336_8_148(c_PowerOffsetInfoHigher64k), c_TrLogMappingUL_4DCCH_1DTCH_PS, c_TrLogMappingDL_4DCCH_1DTCH_PS, p_ActTime, c_DL_CommonInformationRB_SetUp (tsc_Sf16) , cb_UL_DPCH_Info (tsc_Sf16, pl0_96 , tcv_TmpCellInfo.ul_ScramblingCode))			WA#RAB4214
5		+ts_SS_RB20_AM_PS_Cfg(320)			payload= RLC payload + RLC header
6	TSP	+ ts_RRC_ReceiveRB_SetupCmpl (p_CellId , cell_DCH_64kPS_RAB_SRB)			

Detailed Comment:

4.4 ts_SendRB_SetUpDCH_64k_128kPS (WA#RAB4251)

Test step name	ts_SendRB_SetUpDCH_64k_128kPS
Reason for change	Wrong value for "re-EstablishmentTimer" according to the default values (TS 34.108). Should be used T315 (PS), not T314.
Summary of change	Used "useT315" instead of "c_ReEstTimerT314"
Source of change	New Change
Label	WA#RAB4251

Test Step

Test Step Id:	ts_SendRB_SetUpDCH_64k_128kPS (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime: ActivationTime)
Test Step Group Ref:	RB_StepsRB_Setup
Objective:	
Defaults:	RRC_Def!
Comments:	To setup a RADIO BEARER Cell_DCH_64kPS_RAB_SRB and to reconfigure the SS accordingly. This Step is used by RLC test cases. See TS 34.108 clause 6.10.2.4.1.26

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsc_RB2, tsc_Mul, cs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityCheckInfo, tcv_RRC_TI, p_ActTime, cell_DCH, OMIT, c_RAB_InfoListDCH_PS_64k_No_Pdcp (useT315, p_RAB_Id, c_RLC_InfoAM_Def_PS), c_UL_CommTrChInfoDCH_PS_64k, c_UL_AddReconfTransChInfoListDCH_PS_64k, c_DL_CommonTransChInfoDCH (c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Rb), c_DL_AddReconfTransChInfoListDCH_PS_64k_128k, c_DL_InformationPerRL (tcv_TmpCellInfo.priScrmCode, tsc_Sf16 ,tcv_TmpCellInfo.dl_DPCH_2ndScrCode), c_DL_CommonInformationRB_SetUp (tsc_Sf16) , cb_UL_DPCH_Info (tsc_Sf16, pl0_96, tcv_TmpCellInfo.ul_ScramblingCode) , OMIT))		WA#RAB4060 WA#RAB4251 WA#RAB4254
3		AM ? RLC_AM_DATA_CNF	cas_AM_DataMuxCnf (tsc_CellDe		

4.5 ts_SendRB_SetUpDCH_64k_128kPS (WA#RAB4254)

Test step name	ts_SendRB_SetUpDCH_64k_128kPS
Reason for change	Wrong value for "max-RST" and "timerPoll" according to the default

values (TS 34.108). Should be used for max-RST rst4 (instead of e rst1) and for timerPoll tp200 (instead of tp400).

Summary of change Used new constraint “c_RLC_InfoAM_Def_PS” containing the correct default values (WA#RAB4253) instead of “c_RLC_InfoAM_Def”

Source of change New Change

Label WA#RAB4254

Test Step

Test Step Id:	ts_SendRB_SetUpDCH_64k_128kPS (p_CellId: INTEGER; p_RAB_Id : BITSTRING; p_ActTime: ActivationTime)
Test Step Group Ref:	RB_Steps/RB_Setup/
Objective:	
Defaults:	RRC_Def1
Comments:	To setup a RADIO BEARER Cell_DCH_64kPS_RAB_SRB and to reconfigure the SS accordingly. This Step is used by RLC test cases. See TS 34.108 clause 6 10.2.4.1.26

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM_WithCnf(tsc_CellDedicated, tsr_RB2, tsc_Mu (rs_RRC_RB_SetUp(tcv_CellIndInfo.dl_IntegrityCheckInfo, t cv_RRC_TI, p_ActTime, ce ll_DCH, OMIT, c_RAB_InfoLi stDCH_PS_64k_No_Pdcp (u seT315, p_RAB_Id, c_RLC_ InfoAM_Def_PS), c_UL_Comm TrChInfoDCH_PS_64k, c_UL_ AddReconfTransChInfoListDCH_ PS_64k, c_DL_CommonTrans ChInfoDCH (c_TFCS_Cmpl0_1_ 2_3_4_5_6_7_8_9_Rb), c_DL_ _AddReconfTransChInfoListDCH _PS_64k_128k, c_DL_Informa tionPerRL (tcv_TmpCellInfo.priSc rmCode, tsc_Sfn16 ,tcv_TmpCell Info.dl_DPCH_2ndScrCode), c_D L_CommoninformationRB_SetU p (tsc_Sfn16) , cb_UL_DPCH_I nfo (tsc_Sfn 6, pl0_96, tcv_TmpC ellInfo.ul_ScramblingCode) , OMIT))		VOA#RAB4060 VOA#RAB4251 VOA#RAB4254
3		AM ? RLC_AM_DATA_CNF	cas_AM_DataMsiCnf (tsc_CellDe		

4.6 c_RLC_InfoAM_Def_PS (WA#RAB4253)

Test step name c_RLC_InfoAM_Def_PS

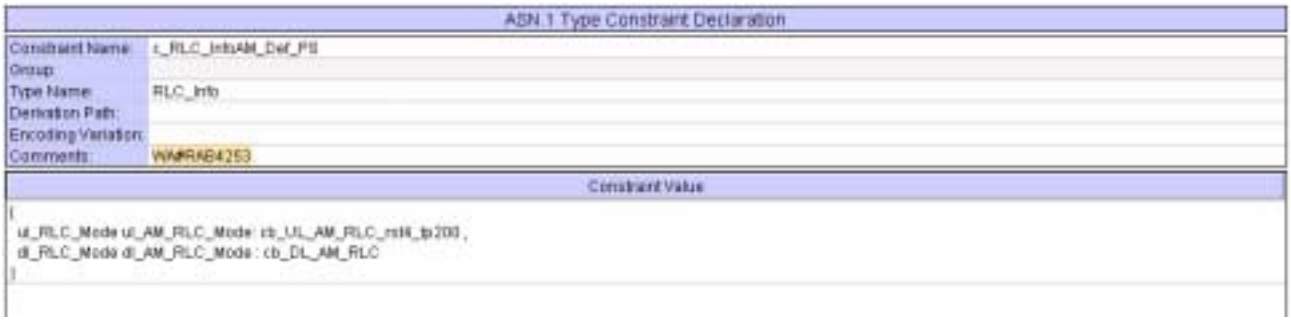
Reason for change In order to implementate a WA#RAB4254 a new constraint is needed.

Summary of change Created a new constraint “c_RLC_InfoAM_Def_PS” (based in “c_RLC_InfoAM_Def”) containing the correct default values for “max-RST” and “timerPoll”.

This constraint introduces another new constraint with the commented values for AM mode: “cb_UL_AM_RLC_rst4_tp200” (see WA#RAB4252).

Source of change New Change

Label WA#RAB4253



ASN.1 Type Constraint Declaration

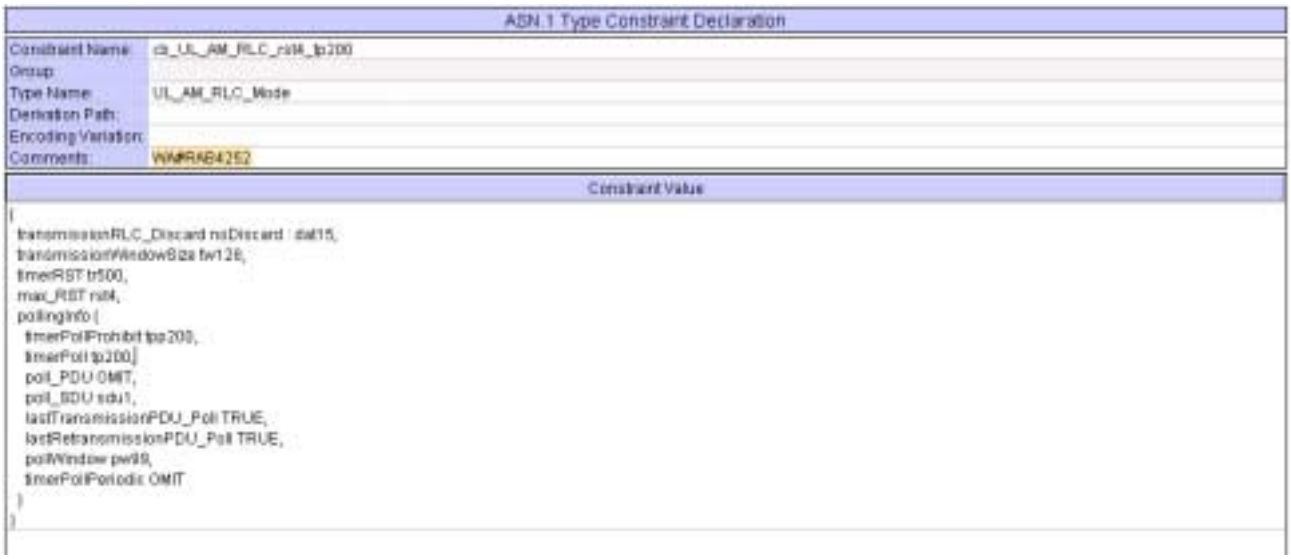
Constraint Name:	c_RLC_InfoAM_Def_PS
Group:	
Type Name:	RLC_Info
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4253

Constraint Value

```
{
 ul_RLC_Mode ul_AM_RLC_Mode: cb_UL_AM_RLC_rst4_tp200 ,
 dl_RLC_Mode dl_AM_RLC_Mode : cb_DL_AM_RLC
}
```

4.7 cb_UL_AM_RLC_rst4_tp200 (WA#RAB4252)

Test step name	cb_UL_AM_RLC_rst4_tp200
Reason for change	In order to implementate a WA#RAB4253 a new constraint is needed.
Summary of change	Created a new constraint “cb_UL_AM_RLC_rst4_tp200” (based in “cb_UL_AM_RLC_rst4_tp200”) containing the correct default values for “max-RST” and “timerPoll” for this configuration.
Source of change	New Change
Label	WA#RAB4252



ASN.1 Type Constraint Declaration

Constraint Name:	cb_UL_AM_RLC_rst4_tp200
Group:	
Type Name:	UL_AM_RLC_Mode
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4252

Constraint Value

```
{
 transmissionRLC_Discard noDiscard : daf15,
 transmissionWindowSize fw128,
 timerRST tr500,
 max_RST rst4,
 pollingInfo {
  timerPollProhibit tpp200,
  timerPoll tp200,
  poll_PDU OMIT,
  poll_SDU sdu1,
  lastTransmissionPDU_Poll TRUE,
  lastRetransmissionPDU_Poll TRUE,
  pollWindow pw89,
  timerPollPeriodic OMIT
 }
}
```

4.8 c_DCH_336_8_148_DL_Info (WA#RAB4030)

Test step name	c_DCH_336_8_148_DL_Info
Reason for change	Wrong TFCS (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used contarint c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Tx (p_PowerOffsetInformation) -with ctfc set to 4- instead of { ctfcSize ctfc6Bit : {

{ ctfc6 0, powerOffsetInformation c_PowerOffsetInfoHigher64k },

{ ctfc6 1, powerOffsetInformation c_PowerOffsetInfoHigher64k },

{ ctfc6 2, powerOffsetInformation c_PowerOffsetInfoHigher64k },

{ ctfc6 3, powerOffsetInformation c_PowerOffsetInfoHigher64k },

{ ctfc6 4, powerOffsetInformation c_PowerOffsetInfoHigher64k },

{ ctfc6 5, powerOffsetInformation c_PowerOffsetInfoHigher64k } ,

{ ctfc6 6, powerOffsetInformation c_PowerOffsetInfoHigher64k },

{ ctfc6 7, powerOffsetInformation c_PowerOffsetInfoHigher64k },

{ ctfc6 8, powerOffsetInformation c_PowerOffsetInfoHigher64k },

{ ctfc6 9, powerOffsetInformation c_PowerOffsetInfoHigher64k }

}

}

Source of change New Change

Label WA#RAB4030

ASN.1 Type Constraint Declaration

Constraint Name:	c_DCH_336_8_f48_DL_Info(p_ActTime : ActivationTime)
Group:	
Type Name:	CphyTrchConfigReq
Derivation Path:	
Encoding Variation:	
Comments:	WA#RAB4030

Constraint Value

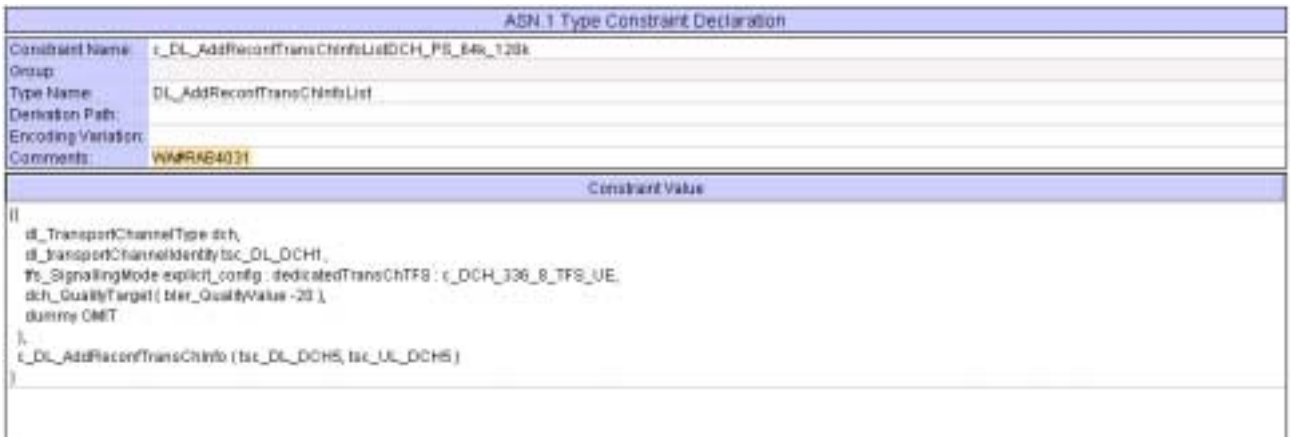
```
{
 activationTime activationCFN : p_ActTime,
 ulconnectedTrCHList OMIT,
 ulTFCS OMIT,
 dlconnectedTrCHList {
  { trchId tsc_DL_DCH1,
    dl_TransportChannelType dch,
    transportChannelInfo c_DCH_336_8_TFS},
  { trchId tsc_DL_DCH5,
    dl_TransportChannelType dch,
    transportChannelInfo c_DCH_f48_TFS_DL) },
 dlTFCS c_TFCS_Cmpl0_1_2_3_4_5_6_7_8_9_Tx ( c_PowerOffsetInfoHigher64k ) -- sent to SS
}
```

4.9 c_DL_AddReconfTransChInfoListDCH_PS_64k_128k (WA#RAB4031)

Test step name	c_DL_AddReconfTransChInfoListDCH_PS_64k_128k
Reason for change	Wrong parameter used when setting up RAB20: according to the default configuration for the " Added or Reconfigured DL TrCH information" IE is " Same as UL " for tsc_DL_DCH5.

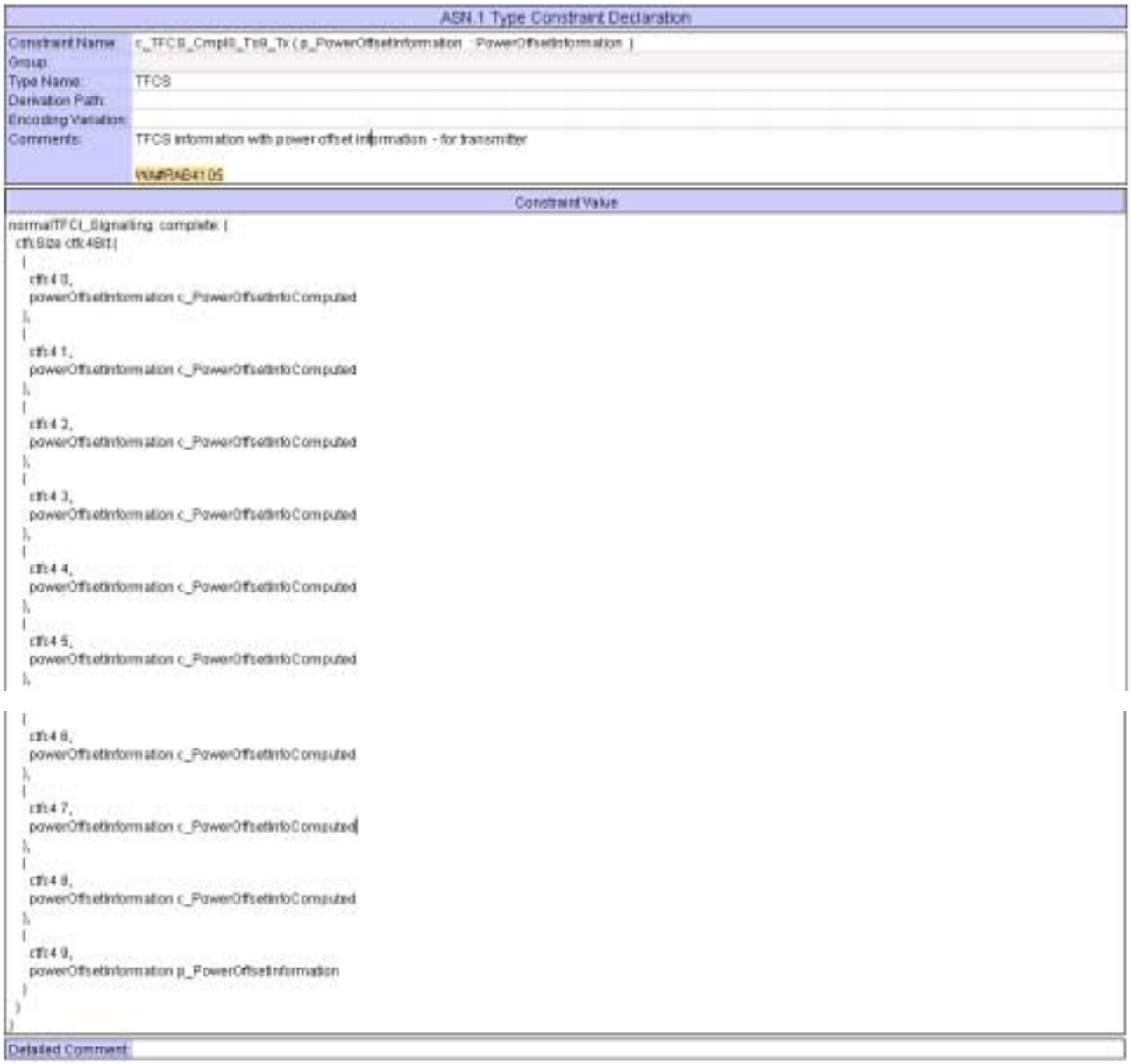
Summary of change	used c_DL_AddReconfTransChInfo (tsc_DL_DCH5, tsc_UL_DCH5) intead of {
	dl_TransportChannelType dch,
	dl_transportChannelIdentity tsc_DL_DCH5,
	tfs_SignallingMode explicit_config : dedicatedTransChTFS : c_DCH_148_TFS_UE_DL,
	dch_QualityTarget { bler_QualityValue -20 },
	dummy OMIT
	}

Source of change	New Change
Label	WA#RAB4031



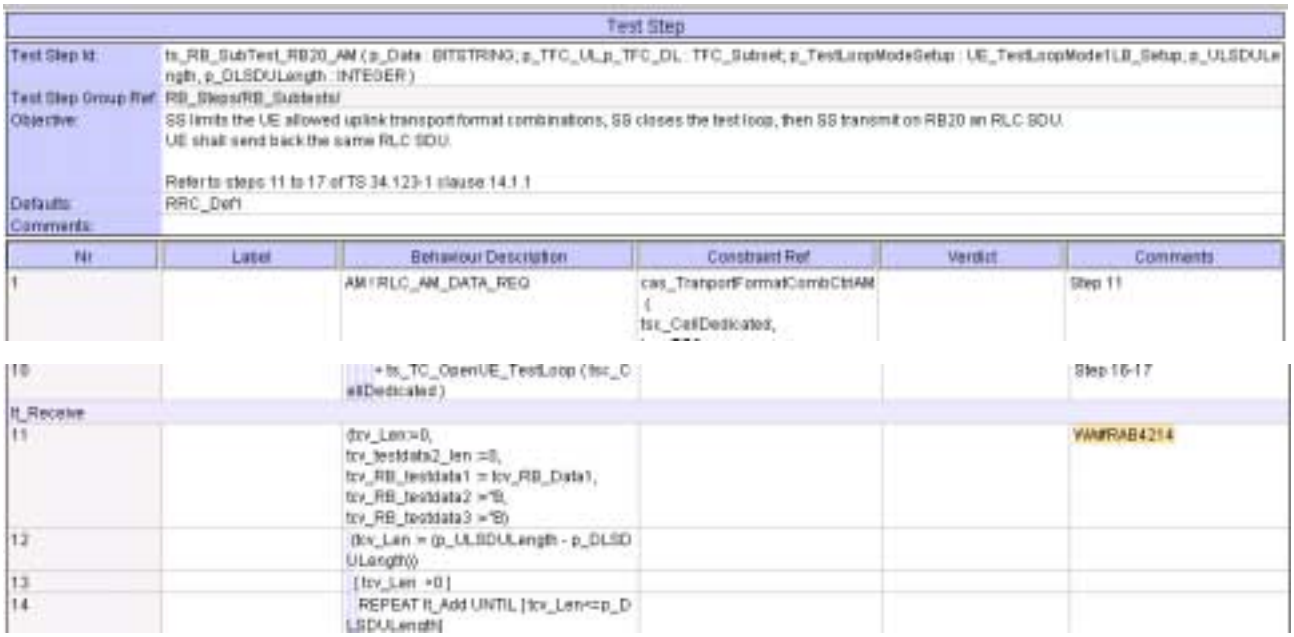
4.10 c_TFCS_Cmpl0_To9_Tx (WA#RAB4105)

Test step name	c_TFCS_Cmpl0_To9_Tx
Reason for change	Wrong CTFC (cftc 6 bits) used in constraint leads to a failure in the Radio Bearer Set Up procedure.
Summary of change	Used CTFC set to 4 instead of 6.
Source of change	New Change
Label	WA#RAB4105



4.11 ts_RB_SubTest_RB20_AM (WA#RAB4214)

Test step name	ts_RB_SubTest_RB20_AM
Reason for change	All bit strings need to be initialised every time they are used. As this test step is used more than one time in one single execution (if both pc_Interactive and pc_Background are enable), variables tcv_RB_testdata2 and tcv_RB_testdata3 need to initialised in this test step.
Summary of change	Added in the initialiation list in line 1 of local test step It_Receive, the variables tcv_RB_testdata2 :="B, tcv_RB_testdata3 :="B
Source of change	New Change
Label	WA#RAB4214



Test Step					
Test Step Id:	ts_RB_SubTest_RB20_AM (p_Data : BITSTRING; p_TFC_UL,p_TFC_DL : TFC_Subset; p_TestLoopModeSetup : UE_TestLoopMode1LB_Setup; p_ULSDULength, p_DLSDULength : INTEGER)				
Test Step Group Ref:	RB_Steps/RB_Subtests/				
Objective:	SS limits the UE allowed uplink transport format combinations, SS closes the test loop, then SS transmit on RB20 an RLC SDU. UE shall send back the same RLC SDU. Refer to steps 11 to 17 of TS 34.123-1 clause 14.1.1				
Defaults:	RRC_Def1				
Comments:					
Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM!RLC_AM_DATA_REQ	cas_TransportFormatCombCtrlAM (tsc_CellDedicated,		Step 11
10		+ ts_TC_OpenUE_TestLoop (tsc_CellDedicated)			Step 16-17
lt_Receive					
11		(tcv_Len:=0, tcv_testdata2_len :=8, tcv_RB_testdata1 := tcv_RB_Data1, tcv_RB_testdata2 :='8', tcv_RB_testdata3 :='8')			YAM#RAB4214
12		(tcv_Len := (p_ULSDULength - p_DLSDULength))			
13		[tcv_Len >0]			
14		REPEAT lt_Add UNTIL [tcv_Len<=p_DLSDULength]			

4.12 c_DL_InformationPerRL (WA#RAB4090)

Test step name	c_DL_InformationPerRL
Reason for change	According to the default contents in 34.108 “scramblingCodeChange” should be set as “noCodeChange”.
Summary of change	Used “noCodeChange” instead of OMIT for IE “scramblingCodeChange”.
Source of change	New Change
Label	WA#RAB4090

ASN.1 Type Constraint Declaration	
Constraint Name:	c_DL_InformationPerRL (p_ScrmbCode: PrimaryScramblingCode, p_Sf: Sf512_AndCodeNumber, p_SecondaryScramblingCode : SecondaryScramblingCode)
Group:	
Type Name:	DL_InformationPerRL_List
Derivation Path:	
Encoding Variation:	
Comments:	WAMRAB4030

Constraint Value

```
{
  modeSpecificInfo fdd: {
   primaryCPICH_Info { primaryScramblingCode p_ScrmbCode },
   pdsch_SHO_DCH_Info OMIT,
   pdsch_CodeMapping OMIT
  },
  dl_DPCH_InfoPerRL fdd: {
   pCPICH_UsageForChannelEstimationUsed,
   dpch_FrameOffset (( dsc_DefaultDPCH_OffsetValue*512 ) MOD 38400) / 256 },
   -- DPCH-FrameOffset = DefaultDPCH-OffsetValueFDD MOD 38400
   -- Actual value DPCH-FrameOffset = IE value * 256
   -- Actual value DefaultDPCH-OffsetValueFDD = IE value * 512
   secondaryCPICH_Info OMIT,
   dl_ChannelisationCodeList {
     secondaryScramblingCode p_SecondaryScramblingCode,
     sf_AndCodeNumber p_Sf,
     scramblingCodeChange noCodeChange
   },
   tpc_CombinationIndex tsc_TPC_CombinationIndex,
   ssdt_CellIdentity OMIT,
   closedLoopTimingAdjMode OMIT
  },
  sccpch_InfoforFACH OMIT
}
```

Detailed Comment:

5 Branches executed in test case 14.2.27

The test case implementation executed the PS branch for NMO_I, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 14_2_27_PS-Nokia-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 14_2_27-pics-pixit-Nokia.html**
  Text file containing all PICS/PIXIT parameters used for testing.

6.2 Ericsson 3G UE U100

The Ericsson U100 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 14_2_27_PS-Ericsson-Logs\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 14_2_27-pics-pixit-Ericsson.html**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040034**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file

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

Tdoc ⌘T1s040071

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3 CR 172** ⌘**rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Correction to RRC Package 1 TC 8.2.1.8 and 8.2.1.9 for the mismatch between Radio Bearer setup and PDP context Activation Accept message
Source:	⌘	Anite Telecoms
Work item code:	⌘	N/A
Date:	⌘	18/02/2004
Category:	⌘	**F**
Release:	⌘	R99

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

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

Reason for change: ⌘ In test cases 8.2.1.8 and 8.2.1.9, the Radio Bearer from cell_DCH to FACH is setup for PS 64k but THE accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH) is for maxBitRateUplink 32 Kbps and maxBitRateDnlink 32 Kbps. If the radio bearer is set for 64K activate PDP context accept message should also be on 64 Kbps not 32kbps.

Summary of change: ⌘

1. Added a new test case variable tcv_RABSetUp_64K in Test Case Variable declarations and initialised it to FALSE.
2. Added at Line 2 of test step ts_SetUpRAB_PS_DCH_ToFACH to Set tcv_RABSetUp_64K to TRUE while doing radio bearer setup for 64k.
3. Modified line 6 and 9 of the test step ts_NAS_ConnCompleteMO_CS_PS by adding additional check for tcv_RABSetUp_64K before calling test step for receiving activate PDP context accept for 64Kpbs or 32 Kbps.
4. Renamed test steps ts_ReceiveActivatePDP_Accept_FACH and ts_ReceiveActivatePDP_Accept_DCH to ts_ReceiveActivatePDP_Accept_32K and ts_ReceiveActivatePDP_Accept_64K to avoid the misleading since they are not specific to FACH or DCH.
5. These test steps must then be replaced in the following places:
   a. Modified test step ts_RRC_RAB_EstPS_MO_P13_P14
   b. Modified test case tc_8_2_1_10
   c. Modified test step ts_RRC_RAB_EstPS_MT_P13_P14
6. Modified test step ts_ActivatePDP_AcceptMO

Consequences if not approved: ⌘ Due to the mismatch UE will keep sending PDP context Deactivation message to network which is not handled in TTCN (affects RRC testcase 8_2_1_8, 8_2_1_9)

Clauses affected: ⌘

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

How to create CRs using this form:

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

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

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

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

Local Tree and Test step	In Test Case Variable Declarations
Reason for change	1. In test cases 8.2.1.8 and 8.2.1.9, Radio Bearer from cell_DCH to FACH is setup for PS 64k but accepted Minimum QoS in PDP context Activation Accept message (test step ts_ReceiveActivatePDP_Accept_FACH) is for maxBitRateUplink 32 Kbps and maxBitRateDnlink 32 Kbps. To differentiate the kind of RAB configured there is a need for a new test case variable tcv_RABSetUp_64K.
Summary of change	1. Added a new test case variable tcv_RABSetUp_64K in Test Case Variable declarations and initialised it to FALSE.
Source of change	new change

After :

tcv_RLC_SeqNumDL_RB22	RLC_SequenceNumber	0	Downlink RLC Sequence Number for RB22
tcv_Int_ModifyFlag	BOOLEAN	FALSE	This Flag will be used in Security related steps. If it is set to True, it means that A Integrity Modification is being done at that stage.
tcv_AT_Cmd	IA5String	""	To hold acommandline to be sent to the UT
tcv_ActTime	ActivationTime	0	Activation Time
tcv_RABSetUp_64K	BOOLEAN	FALSE	
tcv_AssignedPTMSI	OCTETSTRING	px_PTMSI_Def	Current assigned PTMSI
tcv_AssignedTMSI	OCTETSTRING	px_TMSI_Def	Current assigned TMSI
tcv_Assigned_PTMSI_Sig	O3	px_PTMSI_SigDef	Current assigned PTMSI signature

Local Tree and Test step	In test step ts_SetUpRAB_PS_DCH_ToFACH
Reason for change	Test case variable tcv_RABSetUp_64K need to be set to TRUE in test step ts_SetUpRAB_PS_DCH_ToFACH since this test step setup RAB for 64k.
Summary of change	1. Added at Line 2 of test step ts_SetUpRAB_PS_DCH_ToFACH to Set tcv_RABSetUp_64K to TRUE while doing radio bearer setup for 64k.
Source of change	new change

Before :

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, p_SetUp)		
2		+ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)			
3		+ts_SS_2_FACH_1_RACH_Modify (p_CellId , c_TrLogMappingRACH_DTCH, c_TrLogMappingPCH_FACH_PS)			
4		+ts_SS_RB20_AM_PS_CfgTimerPoll (320, p_TimerPoll)			

After:

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		AM ! RLC_AM_DATA_REQ	cas_RB_SetUpAM (tsc_CellDedicated, tsc_RB2, p_SetUp)		
2		(tcv_RABSetUp_64K := TRUE)			
3		+ts_RRC_Delay (tsc_WaitBeforeFACH_Conf)			
4		+ts_SS_2_FACH_1_RACH_Modify (p_CellId , c_TrLogMappingRACH_DTCH, c_TrLogMappingPCH_FACH_PS)			
5		+ts_SS_RB20_AM_PS_CfgTimerPoll (320, p_TimerPoll)			

Local Tree and Test step	In test step ts_NAS_ConnCompleteMO_CS_PS
Reason for change	Before calling test step to receive activate PDP context accept for 64Kpbs or 32 Kbps there need to be a check for the test case variable tcv_RABSetUp_64K to differentiate the kind of RAB setup done (64 K or 32 K).
Summary of change	1. Modified line 6 and 9 of the test step ts_NAS_ConnCompleteMO_CS_PS by adding additional check for tcv_RABSetUp_64K before calling the test step for receiving activate PDP context accept for 64Kpbs or 32 Kbps. 2. Modified Line 7 of the test step ts_NAS_ConnCompleteMO_CS_PS by replacing test step ts_ReceiveActivatePDP_Accept_FACH with ts_ReceiveActivatePDP_Accept_32K to avoid the misleading since it is not specific to FACH. 3. Modified Line 10 of the test step ts_NAS_ConnCompleteMO_CS_PS by replacing test step ts_ReceiveActivatePDP_Accept_DCH with ts_ReceiveActivatePDP_Accept_64K to avoid the misleading since it is not specific to DCH.
Source of change	new change

Before:

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		[tcv_CN_Domain = cs_domain]			
3		+ ts_CC_SendAlertConnect (p_CellId)			Steps 3-5
4		[tcv_CN_Domain = ps_domain]			
5		+ts_SetTI_Rsp (tcv_TI_R)			
6		[tcv_TmpCellInfo.cellConfig = cell_FACH_PS]			
7		+ ts_ReceiveActivatePDP_Accept_FACH (p_CellId)			
8		|Ut ? AT_CmdCnf	ca_AT_CmdCnf		
9		[tcv_TmpCellInfo.cellConfig <> cell_FACH_PS]			
10		+ ts_ReceiveActivatePDP_Accept_DCH (p_CellId)			
11		|Ut ? AT_CmdCnf	ca_AT_CmdCnf		

After:

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_SetTmpCellInfo (p_CellId)			
2		[tcv_CN_Domain = cs_domain]			
3		+ ts_CC_SendAlertConnect (p_CellId)			Steps 3-5
4		[tcv_CN_Domain = ps_domain]			
5		+ts_SetTI_Rsp (tcv_TI_R)			
6		[(tcv_RABSetUp_64K= FALSE) AND (tcv_TmpCellInfo.cellConfig = cell_FACH_PS)]			
7		+ ts_ReceiveActivatePDP_Accept_32K (p_CellId)			
8		Ut ? AT_CmdCnf	ca_AT_CmdCnf		
9		[(tcv_RABSetUp_64K= TRUE) OR (tcv_TmpCellInfo.cellConfig <> cell_FACH_PS)]			
10		+ ts_ReceiveActivatePDP_Accept_64K (p_CellId)			
11		Ut ? AT_CmdCnf	ca_AT_CmdCnf		

Local Tree and Test step	In test step ts_RRC_RAB_EstPS_MO_P13_P14
Reason for change	Need toUpdate test step ts_RRC_RAB_EstPS_MO_P13_P14 since test steps ts_ReceiveActivatePDP_Accept_FACH and ts_ReceiveActivatePDP_Accept_DCH are renamed as ts_ReceiveActivatePDP_Accept_32K and ts_ReceiveActivatePDP_Accept_64K.
Summary of change	1. Modified Line 4 of the test step ts_RRC_RAB_EstPS_MO_P13_P14 by replacing test step ts_ReceiveActivatePDP_Accept_FACH with ts_ReceiveActivatePDP_Accept_32K since ts_ReceiveActivatePDP_Accept_FACH is renamed as ts_ReceiveActivatePDP_Accept_32K. 2. Modified Line 7 of the test step ts_RRC_RAB_EstPS_MO_P13_P14 by replacing test step ts_ReceiveActivatePDP_Accept_DCH with ts_ReceiveActivatePDP_Accept_64K since ts_ReceiveActivatePDP_Accept_DCH is renamed as ts_ReceiveActivatePDP_Accept_64K..
Source of change	new change

Before:

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_RRC_SetUpRAB (p_CellId , tcv_RAB_Id, tcv_RRC_RAB_Type)			
2		+ts_SetTI_Rsp (tcv_TI_R)			
3		[tcv_RRC_RAB_Type = cell_FACH_PS]			
4		+ ts_ReceiveActivatePDP_Accept_FACH (p_CellId)			
5		Ut ? AT_CmdCnf	ca_AT_CmdCnf		
6		[tcv_RRC_RAB_Type <> cell_FACH_PS]			
7		+ ts_ReceiveActivatePDP_Accept_DCH (p_CellId)			
8		Ut ? AT_CmdCnf	ca_AT_CmdCnf		

After:

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_RRC_SetUpRAB (p_CellId , tcv _RAB_Id, tcv_RRC_RAB_Type)			
2		+ts_SetTi_Rsp (tcv_TI_R)			
3		[tcv_RRC_RAB_Type = cell_FACH _PS]			
4		+ ts_ReceiveActivatePDP_Accept_ 32K (p_CellId)			
5		Ut ? AT_CmdCnf	ca_AT_CmdCnf		
6		[tcv_RRC_RAB_Type <> cell_FAC H_PS]			
7		+ ts_ReceiveActivatePDP_Accept_ 64K (p_CellId)			
8		Ut ? AT_CmdCnf	ca_AT_CmdCnf		

Local Tree and Test step	In local tree lt_LocalTest of test case tc_8_2_1_10.
Reason for change	Need toUpdate local tree lt_LocalTest of test case tc_8_2_1_10, since test step ts_ReceiveActivatePDP_Accept_FACH is renamed to ts_ReceiveActivatePDP_Accept_32K.
Summary of change	1. Modified Line #13 of the test case tc_8_2_1_10 by replacing test step ts_ReceiveActivatePDP_Accept_FACH with ts_ReceiveActivatePDP_Accept_32K since ts_ReceiveActivatePDP_Accept_FACH is renamed as ts_ReceiveActivatePDP_Accept_32K.
Source of change	new change

Before:

lt_LocalTest					
9	TBS	(tcv_TestBody:=TRUE)			
10		+ts_SetUpRAB_FACH_ToDCH_PS (tsc_CellA , cbs_108_RB_SetUpFACH_ToDCH (tcv_CellIndInfo.dl_IntegrityCheckInfo , tcv_RRC_TI, tcv_CellInfoA.frequencyInfo, tcv_RAB_Id, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))			Step 1 See NOTE:1
11		+ ts_RRC_ReceiveRB_SetupCmp l (tsc_CellA, tcv_CellInfoA.cellConf ig)			Step 2
12		(tcv_CellInfoA.cellConfig := cell_D CH_64kPS_RAB_SRB)			
13		+ ts_ReceiveActivatePDP_Accept _FACH (tsc_CellA)			test step is called to com plete the PDP context
14		Ut ? AT_CmdCnf	ca_AT_CmdCnf		Acknowledgement to the Initial AT comamnd
15		+ ts_C3_CheckCellDCH (tsc_C ellA)			step 3
16	TBE	(tcv_TestBody:=FALSE)		(P)	

After:

lt_LocalTest					
9	TBS	(tcv_TestBody:=TRUE)			
10		+ts_SetUpRAB_FACH_ToDCH_PS (tsc_CellA, cbs_108_RB_SetUpFACH_ToDCH (tcv_CellIndInfo.dl_IntegrityCheckInfo , tcv_RRC_TI, tcv_CellInfoA.frequencyInfo, tcv_RAB_Id, tcv_CellInfoA.priScrmCode, tcv_CellInfoA.uL_ScramblingCode))			Step 1 See NOTE:1
11		+ ts_RRC_ReceiveRB_SetupCmpl (tsc_CellA, tcv_CellInfoA.cellConfig)			Step 2
12		(tcv_CellInfoA.cellConfig := cell_DCH_64kPS_RAB_SRB)			
13		+ ts_ReceiveActivatePDP_Accept_32K (tsc_CellA)			test step is called to complete the PDP context
14		Ut ? AT_CmdCnf	ca_AT_CmdCnf		Acknowledgement to the Initial AT comamnd
15		+ ts_C3_CheckCellDCH (tsc_CellA)			step 3
16	TBE	(tcv_TestBody:=FALSE)		(P)	

Local Tree and Test step	In test step ts_ReceiveActivatePDP_Accept_FACH.
Reason for change	Need to rename test step ts_ReceiveActivatePDP_Accept_FACH as ts_ReceiveActivatePDP_Accept_32K, since it is not specific to only FACH state.
Summary of change	Renamed test step ts_ReceiveActivatePDP_Accept_FACH as ts_ReceiveActivatePDP_Accept_32K.
Source of change	new change

Before:

Test Step Id:	ts_ReceiveActivatePDP_Accept_FACH (p_CellId :INTEGER)
Test Step Group Ref:	L3M_SM_Steps/
Objective:	To establish mobile originated PDP Context.
Defaults:	NAS_OtherwiseFail
Comments:	This test step will send PDP Context Accept to the UE.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ts_InitialiseDlyAndTrafficClass			
2		(tcv_Len:= LENGTH_OF((o_IA5_IP_ToOct (px_PDP_IP_AddrInfoFACH, TRUE))) + 2)			Calculate the length field
3		(tcv_LenBit:= o_IntToOct(tcv_Len, 1))			Convert length in INTEGER into bits

After:

Test Step Id:	ts_ReceiveActivatePDP_Accept_32K (p_CellId :INTEGER)
Test Step Group Ref:	L3M_SM_Steps/
Objective:	To establish mobile originated PDP Context.
Defaults:	NAS_OtherwiseFail
Comments:	This test step will send PDP Context Accept to the UE.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ts_InitialiseDlyAndTrafficClass			
2		(tcv_Len:= LENGTH_OF((o_IA5_IP_ToOct (px_PDP_IP_AddrInfoFACH, TRUE))) + 2)			Calculate the length field
3		(tcv_LenBit:= o_IntToOct(tcv_Len, 1))			Convert length in INTEGER into bits

Local Tree and Test step	In test step ts_ReceiveActivatePDP_Accept_DCH.

Reason for change	Need to rename test step ts_ReceiveActivatePDP_Accept_DCH as ts_ReceiveActivatePDP_Accept_64K, since it is not specific to only DCH state.
Summary of change	Renamed test step ts_ReceiveActivatePDP_Accept_DCH as ts_ReceiveActivatePDP_Accept_64K.
Source of change	new change

Before:

Test Step Id:	ts_ReceiveActivatePDP_Accept_DCH(p_CellId :INTEGER)
Test Step Group Ref:	L3M_SM_Steps/
Objective:	To establish mobile originated PDP Context.
Defaults:	NAS_OtherwiseFail
Comments:	This test step will send PDP Context Accept to the UE.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		(tcv_Len:= LENGTH_OF((o_IA5_IP_ToOct (px_ PDP_IP_AddrInfoDCH , TRUE))) + 2)			Calculate the length field
2		(tcv_LenBit:= o_IntToOct(tcv_Len, 1))			Convert length in INTEGE R into bits

After:

Test Step Id:	ts_ReceiveActivatePDP_Accept_64K (p_CellId :INTEGER)
Test Step Group Ref:	L3M_SM_Steps/
Objective:	To establish mobile originated PDP Context.
Defaults:	NAS_OtherwiseFail
Comments:	This test step will send PDP Context Accept to the UE.

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		(tcv_Len:= LENGTH_OF((o_IA5_IP_ToOct (px_ PDP_IP_AddrInfoDCH , TRUE))) + 2)			Calculate the length field
2		(tcv_LenBit:= o_IntToOct(tcv_Len, 1))			Convert length in INTEGE R into bits
3		+ ts_InitialiseDlyAndTrafficClass			

Local Tree and Test step	In test step ts_RRC_RAB_EstPS_MT_P13_P14
Reason for change	Need toUpdate test step ts_RRC_RAB_EstPS_MT_P13_P14, since test steps ts_ReceiveActivatePDP_Accept_FACH and ts_ReceiveActivatePDP_Accept_DCH are renamed as ts_ReceiveActivatePDP_Accept_32K and ts_ReceiveActivatePDP_Accept_64K.
Summary of change	3. Modified Line 3 of the test step ts_RRC_RAB_EstPS_MT_P13_P14 by replacing test step ts_ReceiveActivatePDP_Accept_FACH with ts_ReceiveActivatePDP_Accept_32K since ts_ReceiveActivatePDP_Accept_FACH is renamed as ts_ReceiveActivatePDP_Accept_32K. 4. Modified Line 5 of the test step ts_RRC_RAB_EstPS_MT_P13_P14 by replacing test step ts_ReceiveActivatePDP_Accept_DCH with ts_ReceiveActivatePDP_Accept_64K since ts_ReceiveActivatePDP_Accept_DCH is renamed as ts_ReceiveActivatePDP_Accept_64K..
Source of change	new change

Before:

Test Step Id:	ts_RRC_RAB_EstPS_MT_P13_P14 (p_CellId : INTEGER)
Test Step Group Ref:	RRCM_Generic108_Steps/
Objective:	Radio access bearer establishment procedure for PS mobilie terminated calls.
Defaults:	NAS_OtherwiseFail
Comments:	@SIC_NAPP See 34.108 clause 7.4.2.6

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_RRC_SetUpRAB (p_CellId , tcv_RAB_Id, tcv_RRC_RAB_Type)			
2		[tcv_RRC_RAB_Type = cell_FACH_PS]			
3		+ ts_ReceiveActivatePDP_Accept_FACH (p_CellId)			
4		[tcv_RRC_RAB_Type <> cell_FACH_PS]			
5		+ ts_ReceiveActivatePDP_Accept_DCH (p_CellId)			

After:

Test Step Id:	ts_RRC_RAB_EstPS_MT_P13_P14 (p_CellId : INTEGER)
Test Step Group Ref:	RRCM_Generic108_Steps/
Objective:	Radio access bearer establishment procedure for PS mobilie terminated calls.
Defaults:	NAS_OtherwiseFail
Comments:	@SIC_NAPP See 34.108 clause 7.4.2.6

Nr	Label	Behaviour Description	Constraint Ref	Verdict	Comments
1		+ ts_RRC_SetUpRAB (p_CellId , tcv_RAB_Id, tcv_RRC_RAB_Type)			
2		[tcv_RRC_RAB_Type = cell_FACH_PS]			
3		+ ts_ReceiveActivatePDP_Accept_32K (p_CellId)			
4		[tcv_RRC_RAB_Type <> cell_FACH_PS]			
5		+ ts_ReceiveActivatePDP_Accept_64K (p_CellId)			

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

Tdoc ⌘T1s040082

CR-Form-v7

CHANGE REQUEST

⌘ **TS 34.123-3** **CR** **171** ⌘ **rev** **-** ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘	Addition of NAS test case 9.4.2.5 to NAS ATS V3.4.0
Source:	⌘	Rohde & Schwarz
Work item code:	⌘	N/A
Date:	⌘	24/02/2004
Category:	⌘	**B**
Release:	⌘	R99

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

Use one of the following releases:

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

Reason for change:	⌘	To add verified GCF package 2 NAS test case 9.4.2.5 to the approved NAS ATS V3.4.0
Summary of change:	⌘	This document lists all changes applied to test case 9.4.2.5 required for approval. See detailed change description for further information.
Consequences if not approved:	⌘	Test case will not be added to ATS

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

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

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

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

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

Tdoc ⌘T1s040082

Title: **Changes to test case 9.4.2.5 required for approval**

Source: Rohde & Schwarz

Agenda Item: TTCN Issues

Document for: Approval

Contact: Thomas Moosburger
thomas.moosburger@rsd.rohde-schwarz.com
Tel. +49 89 4129 11731

1 Overview

This document lists all the changes needed to correct problems in the TTCN implementation of test case 9.4.2.5 which is part of the NAS test suite. Only essential changes to the TTCN are applied and documented in section 4.

With these changes applied the test case can be demonstrated to run with one or more 3G UEs (see section 6). Execution log files are provided as evidence.

2 Table of Contents

3 Verification Test Summary

Test Case:	TC_9_4_2_5
Test Group:	MM/ LocationUpdating / Rejected
ATS Version:	iWD-TVB2003-03_D04wk07 + essential modifications
System Simulator used:	Rohde & Schwarz 3G system simulator CRTU-W
UE used:	Nokia 3G UE 7600
Verification Status:	PASS

4 Corrections required for test case 9.4.2.5

4.1 Introduction

This section describes the changes required to make test case 9.4.2.5 run correctly with a 3G UE. All modifications are marked with label "**WA#NAS<number>**" for NAS related changes in the TTCN comments column of the enclosed ATS [1].

The ATS version used as basis was NAS_wk04.mp which is part of the iWD-TVB2003-03_D04wk07 release. This is the most recent ATS provided by MCC160 which contains GCF package 1 to 4 test cases.

The enclosed ATS [1] contains a number of additional changes (see list below) in common test steps which are required for other tests, but which are not applicable to test case 9.4.2.5:

WA#NAS4218, WA#NAS4395, WA#NAS4396, WA#NAS4397, WA#NAS4401, WA#NAS4402, WA#NAS4404 & WA#NAS4398

4.2 tc_9_4_2_5 (WA#NAS4394)

Test step name	tc_9_4_2_5 : lt_Body
Reason for change	Incorrect Cell Id used for MNC, MCC & LAC code.
Summary of change	Replaced variable "tcv_CellInfoC" with "tcv_CellInfoA"
Source of change	New change
Label	WA#NAS4394

19		+ts_SS_SwitchCellPowerLevels(tsc_CellB, tsc_CellC)		WA#NAS4393
20		+ts_MM_LupInitWP(tsc_CellC, c_MobileIdTMSI_lv, tcv_CellInfoA.mcc, tcv_CellInfoA.mnc, tcv_CellInfoA.lac, tsc_LUT_Normal, tcv_CS_KeySeq)		Steps 9-16 3. WA#NAS4394

4.3 ts_MM_LupInitwIP (WA#NAS3039)

Test step name	ts_MM_LupInitwIP
Reason for change	After switch on the UE, the SecurityMode will not be accepted due to invalid authentication keys in test step ts_MM_LupInitwIP
Summary of change	insert in ts_MM_LupInitwIP line 2 the test step ts_MM_Authentication and set the boolean flag for new keys in line 3 from FALSE to TRUE
Source of change	New change
Label	WA#NAS3039

Test Step Id:	ts_MM_LupInitwIP(p_CellId: INTEGER; p_MobileId: MS_Identity_Iv; p_MCC, p_MNC: HEXSTRING; p_LAC: OCTETSTRING; p_LUT: B 2; p_KeySeq: KeySeq)
Test Step Group Ref:	MM_Steps/
Objective:	To perform initial part of a Location Updating Procedure
Defaults:	NAS_OtherwiseFail
Comments:	RRC connection establishment and parametrized Location Update request following. ts_MM_LupInit with Integrity Protection. WA#NAS3039

...	L...	Behaviour Description	Constraint Ref	...	Comments
1		+ts_MM_LupInit(p_CellId, p_MobileId, p_MCC, p_MNC, p_LAC, p_LUT, p_KeySeq)			
2		+ts_MM_Authentication (p_CellId)			
3		+ts_RRC_Security(p_CellId, tcv_AuthCK, tcv_AuthIK, tcv_AuthKcGSM, TRUE, cs_domain)			

4.4 NAS_OtherwiseFail (WA#NAS4420)

Test step name	NAS_OtherwiseFail
Reason for change	As most test steps like "ts_NAS_Delay", make use of the Default handler "NAS_OtherwiseFail". The TM SAP also needs to be added to make sure no RRC Connections are received during the wait period.
Summary of change	Added TM SAP for 'OTHERWISE' condition
Source of change	New change
Label	WA#NAS4420

28		TM?OTHERWISE [tcv_TestBody = FALSE]			WA#NAS4420
29		CANCEL		(I)	WA#NAS4420
30	DFI2	Dc?OTHERWISE [tcv_TestBody = FALSE]		(I)	2.
31		CANCEL			3.

5 Branches executed in test case 9.4.2.5

The test case implementation executed the CS branch for NMO_II, UE_OpMode A with Integrity activated, Ciphering disabled, AutoAttach off.

6 Execution Log Files

6.1 Nokia 3G UE 7600

The Nokia 3G UE 7600 passed this test case on Rohde & Schwarz 3G System Simulator CRTU-W. The documentation below is enclosed as evidence of the successful test case run [1]:

- **Execution log files 9_4_2_5_Logs-Nokia\Index.html**
  This execution log files in HTML format show the dynamic behaviour of the test 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.

- **PICS/PIXIT file 9_4_2_5-pics-pixit-Nokia.txt**
  Text file containing all PICS/PIXIT parameters used for testing.

7 References

[1] **T1s040083**
This archive comprises HTML Execution log files, PICS/PIXIT files and the TTCN MP file